Reference Booklet
Referenzhandbuch
Guide de référence
Manual de referencia

CVP-109
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Voice List / Stimmenverzeichnis / Liste des voix / Lista de voces

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Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Piano	Grand Piano	0	112	0
	Bright Piano	0	112	1
	Mellow Piano	0	114	0
	Rock Piano	0	113	1
	Midi Grand	0	115	2
	Harpsichord1	0	112	6
	Harpsichord2	0	113	6
	Grand Harpsi	0	115	6
	Honky Tonk	0	112	3
	NewAgePiano	0	118	2
E.Piano	Stage EP 1	0	112	4
	Galaxy EP	0	118	5
	New Tines	0	113	5
	Funk EP	0	113	4
	DX EP Modern	0	115	5
	Vintage EP	0	115	4
	CP80	0	116	2
	Tremolo EP	0	118	4
	Hyper Tines	0	117	5
	Clavi.	0	112	7
	DX EP	0	112	5
	Venus EP	0	116	5
	Dream EP	0	114	5
	Stage EP 2	0	117	4
	Wah Clavi.	0	113	7
	DX treme	0	113	92
	Funky Clavi.	0	114	7
	Galaxian EP	0	113	100
	DX-EP & Str.	0	118	88
Guitar	Spanish Gtr.	0	113	24
	12Str.Guitar	0	115	25
	Solid Guitar	0	115	27
	Bright Clean	0	113	27
	Solid Chord	0	117	27
	Jazz Guitar1	0	113	26
	Mute Guitar	0	112	28
	Banjo	0	112	105
	HawaiianGtr.	0	114	26
	Crunch Gtr	0	113	30
	Smooth Nylon	0	114	24
	Elec12string	0	126	27
	Folk Guitar1	0	116	25
	60's Clean	0	124	27
	Clean Guitar	0	112	27
	Jazz Guitar2	0	112	26
	OctaveGuitar	0	115	26
	Mandolin	0	114	25
	Pedal Steel	0	114	27
	Feedback Gtr	0	113	29
	Gut Guitar	0	112	24
	Folk Guitar2	0	112	25
	StackCrunch	0	114	30
	Dist. Guitar	0	112	30
Synth	Golden Age	0	115	88
	Insomnia	0	113	94
	Wave 2010	0	114	95
	NewAge Pad	0	113	88
	Fire Wire	0	113	81
	Wire Lead	0	114	81
	Blaster	0	112	87

Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Synth	Square Lead	0	112	80
	Analogon	0	115	81
	Funky Lead	0	116	81
	Cyber Pad	0	113	99
	Choir Pad	0	112	91
	Atmosphere	0	112	99
	Brass Pad	0	112	90
	Warm Pad	0	112	89
	Saw. Lead	0	112	81
	Equinox	0	112	94
	Stardust	0	112	96
	Millenium	0	114	88
	Template	0	113	95
	Loch Ness	0	113	93
	Strings Pad	0	112	51
	Wave 2001	0	112	95
	Harp Pad	0	112	88
	DX Pad	0	112	92
Organ	Pipe Organ	0	112	19
	Chapel Org.1	0	115	19
	Chapel Org.2	0	116	19
	Accordion1	0	112	21
	Small Accrd.	0	113	21
	Rotor Organ	0	112	18
	Jazz Organ 1	0	114	17
	Rock Organ	0	116	18
	Elec. Organ	0	113	16
	Organ Flutes	0	116	16
	Class. Organ	0	113	19
	Chapel Org.3	0	114	19
	Tango Accrd.	0	112	23
	Accordion2	0	114	21
	Tutti Accord	0	115	21
	Rotary Drive	0	115	18
	Jazz Organ 2	0	117	16
	Jazz Organ 3	0	115	16
	Perc. Organ	0	115	17
	Full Rocker	0	114	18
	Theatre Org.	0	114	16
	60's Organ	0	113	17
Strings / Choir	Strings	0	118	48
	Orch.Str.1	0	115	48
	ClassicalStr	0	114	48
	Popular Str	0	116	48
	Vivaldi Str	0	116	49
	Violin	0	112	40
	Sweet Cello	0	113	42
	Choir	0	112	52
	Air Choir	0	112	54
	Pizzicato	0	112	45
	Orch.Str.2	0	117	48
	ChamberStr	0	113	48
	Strings Slow	0	113	49
	Str.Quartet	0	113	40
	Fiddle	0	112	110
	Cello	0	114	42
	Choir Oohs	0	112	53
	Choir Slow	0	113	52
	Harp	0	112	46
	OrchestraHit	0	112	55

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Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Brass	SweetTrumpet	0	115	56
	Trombone	0	114	57
	MuteTrumpet1	0	113	59
	Soft Trumpet	0	114	56
	Brass Band	0	118	57
	BrassSection	0	112	61
	Mellow Brass	0	123	61
	BigBnd Brass	0	115	61
	Soft Brass	0	116	61
	Analog Brass	0	112	63
	Solo Trumpet	0	112	56
	Trb.Section	0	113	57
	MuteTrumpet2	0	112	59
	Flugel Horn	0	113	56
	Tuba	0	113	58
	Big Brass	0	114	61
	Bright Brass	0	117	61
	French Horn	0	112	60
	Ballroom Brs	0	114	59
	Synth Brass	0	112	62
Sax / Flute	Sweet Tenor	0	113	66
	Sweet Flute	0	115	73
	Sweet Clari.	0	113	71
	Sweet Alto	0	116	65
	Growl Sax	0	114	66
	Soprano Sax	0	112	64
	Pan Flute 1	0	113	75
	Modern Harp	0	113	22
	Sax Section	0	114	65
	WindEnsemble	0	113	73
	Breath Tenor	0	115	66
	Classical Fl	0	116	73
	Clarinet	0	112	71
	Breath Alto	0	115	65
	Baritone Sax	0	113	67
	Oboe	0	112	68
	Piccolo	0	113	72
	Blues Harm.	0	114	22
	Bassoon	0	113	70
	Whistle	0	112	78
	Tenor Sax	0	116	66
	Flute	0	112	73
	Alto Sax	0	112	65
	English Horn	0	112	69
	Recorder	0	113	74
	Harmonica	0	112	22
	Pan Flute 2	0	112	75
Bass	Acous.Bass 1	0	112	32
	Elec. Bass	0	113	33
	Finger Bass	0	114	33
	E. Bass Slap	0	112	33
	Pick Bass	0	112	34
	FretlessBass	0	112	35
	Slap Bass	0	112	36
	Synth Bass 1	0	112	38
	Analog Bass	0	113	39
	Bass&Cymbal	0	114	32
	Acous.Bass 2	0	113	32
	Bert's Bass	0	113	34

Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Bass	Synth Bass 2	0	112	39
	Hi Q Bass	0	114	38
	Synth Bass 3	0	113	38
Percussion	Vibes	0	112	11
	Marimba	0	112	12
	Music Box	0	113	10
	Steel Drums	0	112	114
	Celesta	0	113	8
	Jazz Vibes	0	113	11
	Xylophone	0	112	13
	Glockenspiel	0	113	9
	TubularBells	0	112	14
	Timpani	0	112	47
	Xylomarimba	0	113	12
	Dulcimer	0	112	15
	Kalimba	0	112	108
	Standard Kit	127	0	0
	Standard2Kit	127	0	1
	Hit Kit	127	0	4
	Room Kit	127	0	8
	Rock Kit	127	0	16
	Electro Kit	127	0	24
	Analog Kit	127	0	25
	Dance Kit	127	0	27
	Jazz Kit	127	0	32
	Brush Kit	127	0	40
	Classic Kit	127	0	48
	SFX1 Kit	126	0	0
	SFX2 Kit	126	0	1
Ensemble	1 Oct. Piano	0	113	3
	2 Oct. Piano	0	114	3
	Piano & Str	0	118	1
	Piano Heaven	0	114	100
	Piano&Choir	0	118	0
	Orchestral 1	0	117	49
	Orchestral 2	0	118	49
	Orchestral 3	0	118	68
	Orchestral 4	0	116	68
	Orchestral 5	0	117	68
	Baroque	0	118	6
	Flute&Mallet	0	118	73
	Guitar&Flute	0	118	24
	Guitar&Str	0	115	99
	TwelveString	0	114	99
	Hallelujah	0	113	53
	Evensong 1	0	118	53
	Evensong 2	0	118	52
	X'mas Organ	0	118	19
	Sunrise Pad	0	116	100
	Brass&Sax 1	0	118	65
	Brass&Sax 2	0	118	66
	Moon Sax 1	0	117	71
	Moon Sax 2	0	118	71
	Trump.&Clari	0	118	56
	Brass&Lyra	0	118	63
	Flute&Lyra	0	118	72
	ElectricJazz	0	116	26
	Galaxy Choir	0	117	100
	Heaven Stack	0	115	100

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Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Piano	Grand Piano	0	112	0
	Bright Piano	0	112	1
	Mellow Piano	0	114	0
	Rock Piano	0	113	1
	Midi Grand	0	115	2
	Harpsichord1	0	112	6
	Harpsichord2	0	113	6
	Grand Harpsi	0	115	6
	Honky Tonk	0	112	3
	NewAge Piano	0	118	2
E.Piano	Stage EP 1	0	112	4
	Galaxy EP	0	118	5
	New Tines	0	113	5
	Funk EP	0	113	4
	DX EP Modern	0	115	5
	CP80	0	116	2
	Tremolo EP	0	118	4
	Hyper Tines	0	117	5
	Venus EP	0	116	5
	Clavi.	0	112	7
	Dream EP	0	114	5
	Stage EP 2	0	117	4
	Wah Clavi.	0	113	7
	DX treme	0	113	92
	Funky Clavi.	0	114	7
	Galaxian EP	0	113	100
	DX-EP & Str.	0	118	88
Guitar	Spanish Gtr.	0	113	24
	12Str.Guitar	0	115	25
	Solid Guitar	0	115	27
	Bright Clean	0	113	27
	Clean Guitar	0	112	27
	Jazz Guitar1	0	113	26
	Mute Guitar	0	112	28
	Banjo	0	112	105
	HawaiianGtr.	0	114	26
	Dist. Guitar	0	112	30
	Smooth Nylon	0	114	24
	Elec12string	0	126	27
	Folk Guitar1	0	116	25
	Jazz Guitar2	0	112	26
	OctaveGuitar	0	115	26
	Gut Guitar	0	112	24
	Folk Guitar2	0	112	25
	Pedal Steel	0	114	27
Synth	Golden Age	0	115	88
	Insomnia	0	113	94
	Wave 2010	0	114	95
	NewAge Pad	0	113	88
	Fire Wire	0	113	81
	Wire Lead	0	114	81
	Blaster	0	112	87

Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Synth	Square Lead	0	112	80
	Analogon	0	115	81
	Saw. Lead	0	112	81
	Cyber Pad	0	113	99
	Choir Pad	0	112	91
	Atmosphere	0	112	99
	Brass Pad	0	112	90
	Warm Pad	0	112	89
	Equinox	0	112	94
	Stardust	0	112	96
	Millenium	0	114	88
	Strings Pad	0	112	51
	Wave 2001	0	112	95
	Harp Pad	0	112	88
	DX Pad	0	112	92
Organ	Pipe Organ	0	112	19
	ChapelOrgan1	0	115	19
	ChapelOrgan2	0	116	19
	Accordion	0	112	21
	Tutti Accord	0	115	21
	Rotor Organ	0	112	18
	Jazz Organ 1	0	114	17
	Rock Organ	0	116	18
	Elec. Organ	0	113	16
	Jazz Organ 2	0	117	16
	Class. Organ	0	113	19
	ChapelOrgan3	0	114	19
	Tango Accrd.	0	112	23
	Jazz Organ 3	0	115	16
	Perc. Organ	0	115	17
	Theatre Org.	0	114	16
	60's Organ	0	113	17
Strings / Choir	OrchStrings1	0	115	48
	ClassicalStr	0	114	48
	Popular Str	0	116	48
	Vivaldi Str	0	116	49
	Chamber Str	0	113	48
	Violin	0	112	40
	Cello	0	114	42
	Choir	0	112	52
	Air Choir	0	112	54
	Pizzicato	0	112	45
	OrchStrings2	0	117	48
	Strings Slow	0	113	49
	Str.Quartet	0	113	40
	Fiddle	0	112	110
	Choir Oohs	0	112	53
	Choir Slow	0	113	52
	Harp	0	112	46
	OrchestraHit	0	112	55

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Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Brass	SweetTrumpet	0	115	56
	Trombone	0	114	57
	MuteTrumpet1	0	113	59
	Soft Trumpet	0	114	56
	Brass Band	0	118	57
	BrassSection	0	112	61
	Mellow Brass	0	123	61
	Big Brass	0	114	61
	Analog Brass	0	112	63
	Synth Brass	0	112	62
	Solo Trumpet	0	112	56
	Trb.Section	0	113	57
	MuteTrumpet2	0	112	59
	Flugel Horn	0	113	56
	Tuba	0	113	58
	French Horn	0	112	60
	BallroomBrs	0	114	59
Sax / Flute	Breath Tenor	0	115	66
	Flute	0	112	73
	Clarinet	0	112	71
	Breath Alto	0	115	65
	Baritone Sax	0	113	67
	Soprano Sax	0	112	64
	Pan Flute 1	0	113	75
	Harmonica	0	112	22
	Sax Section	0	114	65
	WindEnsemble	0	113	73
	Tenor Sax	0	116	66
	Alto Sax	0	112	65
	Oboe	0	112	68
	Piccolo	0	113	72
	Bassoon	0	113	70
	Whistle	0	112	78
	English Horn	0	112	69
	Recorder	0	113	74
	Pan Flute 2	0	112	75
Bass	Acous.Bass	0	112	32
	Elec. Bass	0	113	33
	Finger Bass	0	114	33
	E. Bass Slap	0	112	33
	Pick Bass	0	112	34
	FretlessBass	0	112	35
	Slap Bass	0	112	36
	Synth Bass 1	0	112	38
	Analog Bass	0	113	39
	Bass&Cymbal	0	114	32
	Bert's Bass	0	113	34
	Synth Bass 2	0	112	39
	Hi Q Bass	0	114	38
	Synth Bass 3	0	113	38

Category	Voice Name	Voice #		
		MSB #	LSB #	Program Change #
Percussion	Vibes	0	112	11
	Marimba	0	112	12
	Music Box	0	113	10
	Steel Drums	0	112	114
	Celesta	0	113	8
	Jazz Vibes	0	113	11
	Xylophone	0	112	13
	Glockenspiel	0	113	9
	TubularBells	0	112	14
	Timpani	0	112	47
	Xylomarimba	0	113	12
	Dulcimer	0	112	15
	Kalimba	0	112	108
	Standard Kit	127	0	0
	Standard2Kit	127	0	1
	Room Kit	127	0	8
	Rock Kit	127	0	16
	Electro Kit	127	0	24
	Analog Kit	127	0	25
	Dance Kit	127	0	27
	Jazz Kit	127	0	32
	Brush Kit	127	0	40
	Classic Kit	127	0	48
	SFX1 Kit	126	0	0
	SFX2 Kit	126	0	1
Ensemble	1 Oct. Piano	0	113	3
	2 Oct. Piano	0	114	3
	Piano & Str	0	118	1
	Piano Heaven	0	114	100
	Piano&Choir	0	118	0
	Orchestral 1	0	117	49
	Orchestral 2	0	118	49
	Orchestral 3	0	118	68
	Orchestral 4	0	116	68
	Orchestral 5	0	117	68
	Baroque	0	118	6
	Flute&Mallet	0	118	73
	Guitar&Flute	0	118	24
	Guitar&Str	0	115	99
	TwelveString	0	114	99
	Hallelujah	0	113	53
	Evensong 1	0	118	53
	Evensong 2	0	118	52
	X'mas Organ	0	118	19
	Sunrise Pad	0	116	100
	Brass&Sax 1	0	118	65
	Brass&Sax 2	0	118	66
	Moonsax 1	0	117	71
	Moonsax 2	0	118	71
	Trump.&Clari	0	118	56
	Brass&Lyra	0	118	63
	Flute&Lyra	0	118	72
	ElectricJazz	0	116	26
	GalaxyChoir	0	117	100
	Heaven Stack	0	115	100

XG

Voice Name	Voice #		
	MSB #	LSB #	Program Change #
GrandPno	0	0	0
GrndPnoK	0	1	0
MelloGrP	0	18	0
PianoStr	0	40	0
Dream	0	41	0
BritePno	0	0	1
BritPnoK	0	1	1
El.Grand	0	0	2
ElGrPnoK	0	1	2
Det.CP80	0	32	2
LayerCP1	0	40	2
LayerCP2	0	41	2
HnkyTonk	0	0	3
HnkyTnkK	0	1	3
E.Piano1	0	0	4
El.Pno1K	0	1	4
MelloEP1	0	18	4
Chor.EP1	0	32	4
HardEl.P	0	40	4
VX El.P1	0	45	4
60sEl.P1	0	64	4
E.Piano2	0	0	5
El.Pno2K	0	1	5
Chor.EP2	0	32	5
DX Hard	0	33	5
DXLegend	0	34	5
DX Phase	0	40	5
DX+Analg	0	41	5
DXKotoEP	0	42	5
VX El.P2	0	45	5
Harpsi.	0	0	6
Harpsi.K	0	1	6
Harpsi.2	0	25	6
Harpsi.3	0	35	6
Clavi	0	0	7
Clavi K	0	1	7
ClaviWah	0	27	7
PulseClv	0	64	7
PierceCl	0	65	7
Celesta	0	0	8
Glocken	0	0	9
MusicBox	0	0	10
Orgel	0	64	10
Vibes	0	0	11
Vibes K	0	1	11
HardVibe	0	45	11
Marimba	0	0	12
MarimbaK	0	1	12
SineMrmb	0	64	12
Balimba	0	97	12
Log Drum	0	98	12
Xylophon	0	0	13
TubulBel	0	0	14
ChrchBel	0	96	14
Carillon	0	97	14
Dulcimer	0	0	15
Dulcimr2	0	35	15
Cimbalom	0	96	15
Santur	0	97	15
DrawOrgn	0	0	16
DetDrwOr	0	32	16
60sDrOr1	0	33	16
60sDrOr2	0	34	16
70sDrOr1	0	35	16
DrawOrg2	0	36	16
60sDrOr3	0	37	16
EvenBar	0	38	16
16+2'2/3	0	40	16
Organ Ba	0	64	16
70sDrOr2	0	65	16
CheezOrg	0	66	16
DrawOrg3	0	67	16
PercOrgn	0	0	17
70sPcOr1	0	24	17
DetPrcOr	0	32	17
Lite Org	0	33	17
PercOrg2	0	37	17
RockOrgn	0	0	18
RotaryOr	0	64	18
SloRotar	0	65	18
FstRotar	0	66	18
ChrchOrg	0	0	19
ChurOrg3	0	32	19
ChurOrg2	0	35	19
NotreDam	0	40	19
OrgFlute	0	64	19
TrmOrgFl	0	65	19
ReedOrgn	0	0	20
Puff Org	0	40	20
Acordion	0	0	21
AccordIt	0	32	21
Harmnica	0	0	22
Harmo. 2	0	32	22
TangoAcd	0	0	23
TngoAcd2	0	64	23
NylonGtr	0	0	24
NylonGt2	0	16	24
NylonGt3	0	25	24
VelGtHrm	0	43	24
Ukulele	0	96	24
SteelGtr	0	0	25
SteelGt2	0	16	25
12StrGtr	0	35	25
Nyln&Stl	0	40	25
Stl&Body	0	41	25
Mandolin	0	96	25
Jazz Gtr	0	0	26
MelloGtr	0	18	26
Jazz Amp	0	32	26
CleanGtr	0	0	27
ChorusGt	0	32	27
Mute Gtr	0	0	28
FunkGtr1	0	40	28
MuteStlG	0	41	28
FunkGtr2	0	43	28
Jazz Man	0	45	28
Ovrdrive	0	0	29
Gt.Pinch	0	43	29
Dist.Gtr	0	0	30
FeedbkGt	0	40	30
FeedbGt2	0	41	30
GtrHarmo	0	0	31
GtFeedbk	0	65	31
GtrHrmo2	0	66	31
Aco.Bass	0	0	32
JazzRthm	0	40	32
VXUprght	0	45	32
FngrBass	0	0	33
FingrDrk	0	18	33
FlangeBa	0	27	33
Ba&DstEG	0	40	33
FngrSlap	0	43	33
FngBass2	0	45	33
Mod.Bass	0	65	33
PickBass	0	0	34
MutePkBa	0	28	34
Fretless	0	0	35
Fretles2	0	32	35
Fretles3	0	33	35
Fretles4	0	34	35
SynFretl	0	96	35
SmthFrt1	0	97	35
SlapBas1	0	0	36
ResoSlap	0	27	36
PunchThm	0	32	36
SlapBas2	0	0	37
VeloSlap	0	43	37
SynBass1	0	0	38
SynBa1Dk	0	18	38
FastResB	0	20	38
AcidBass	0	24	38
Clv Bass	0	35	38
TechnoBa	0	40	38
Orbiter	0	64	38
Sqr.Bass	0	65	38
RubberBa	0	66	38
Hammer	0	96	38
SynBass2	0	0	39
MelloSBa	0	6	39
Seq Bass	0	12	39
ClkSynBa	0	18	39
SynBa2Dk	0	19	39
SmthSynB	0	32	39
ModulrBa	0	40	39
DX Bass	0	41	39
X WireBa	0	64	39
Violin	0	0	40
Slow Vln	0	8	40
Viola	0	0	41
Cello	0	0	42
Contrabs	0	0	43
Trem.Str	0	0	44
SlwTrStr	0	8	44
Susp. Str	0	40	44
Pizz.Str	0	0	45
Harp	0	0	46
YangChin	0	40	46
Timpani	0	0	47
Strings1	0	0	48
S.Strngs	0	3	48

XG

Voice Name	Voice #		
	MSB #	LSB #	Program Change #
Slow Str	0	8	48
Arco Str	0	24	48
60sStrng	0	35	48
Orchestr	0	40	48
Orchstr2	0	41	48
TremOrch	0	42	48
Velo.Str	0	45	48
Strings2	0	0	49
S.SlwStr	0	3	49
LegatoSt	0	8	49
Warm Str	0	40	49
Kingdom	0	41	49
70s Str	0	64	49
Strings3	0	65	49
Syn Str1	0	0	50
Reso Str	0	27	50
Syn Str4	0	64	50
Syn Str5	0	65	50
Syn Str2	0	0	51
ChoirAah	0	0	52
S.Choir	0	3	52
Ch.Aahs2	0	16	52
MelChoir	0	32	52
ChoirStr	0	40	52
VoiceOoh	0	0	53
SynVoice	0	0	54
SyVoice2	0	40	54
Choral	0	41	54
AnaVoice	0	64	54
Orch.Hit	0	0	55
OrchHit2	0	35	55
Impact	0	64	55
Trumpet	0	0	56
Trumpet2	0	16	56
BriteTrp	0	17	56
Warm Trp	0	32	56
Trombone	0	0	57
Trmbone2	0	18	57
Tuba	0	0	58
Tuba 2	0	16	58
Mute Trp	0	0	59
Fr.Horn	0	0	60
FrHrSolo	0	6	60
FrHorn 2	0	32	60
HornOrch	0	37	60
BrssSect	0	0	61
Tp&TbSec	0	35	61
BrssSec2	0	40	61
HiBrass	0	41	61
MelloBrs	0	42	61
SynBrss1	0	0	62
Quack Br	0	12	62
RezSynBr	0	20	62
PolyBrss	0	24	62
SynBrss3	0	27	62
JumpBrss	0	32	62
AnVelBr1	0	45	62
AnVelBr2	0	64	62
SynBrss2	0	0	63
Soft Brs	0	18	63
SynBrss4	0	40	63

Voice Name	Voice #		
	MSB #	LSB #	Program Change #
ChoirBrs	0	41	63
VelBrss2	0	45	63
AnaBrss2	0	64	63
SprnoSax	0	0	64
Alto Sax	0	0	65
Sax Sect	0	40	65
HyprAlto	0	43	65
TenorSax	0	0	66
BrthTnSx	0	40	66
SoftTenr	0	41	66
TnrSax 2	0	64	66
Bari.Sax	0	0	67
Oboe	0	0	68
Eng.Horn	0	0	69
Bassoon	0	0	70
Clarinet	0	0	71
Piccolo	0	0	72
Flute	0	0	73
Recorder	0	0	74
PanFlute	0	0	75
Bottle	0	0	76
Shakhchi	0	0	77
Whistle	0	0	78
Ocarina	0	0	79
SquareLd	0	0	80
SquarLd2	0	6	80
LMSquare	0	8	80
Hollow	0	18	80
Shroud	0	19	80
Mellow	0	64	80
SoloSine	0	65	80
SineLead	0	66	80
Saw Lead	0	0	81
Saw Ld 2	0	6	81
ThickSaw	0	8	81
Dyna Saw	0	18	81
Digi Saw	0	19	81
Big Lead	0	20	81
HeavySyn	0	24	81
WaspySyn	0	25	81
PulseSaw	0	40	81
Dr. Lead	0	41	81
VeloLead	0	45	81
Seq Ana.	0	96	81
CaliopLd	0	0	82
PureLead	0	65	82
Chiff Ld	0	0	83
Rubby	0	64	83
CharanLd	0	0	84
DistLead	0	64	84
WireLead	0	65	84
Voice Ld	0	0	85
SynthAah	0	24	85
Vox Lead	0	64	85
Fifth Ld	0	0	86
Big Five	0	35	86
Bass&Ld	0	0	87
Big&Low	0	16	87
Fat&Prky	0	64	87
Soft Wrl	0	65	87
NewAgePd	0	0	88

Voice Name	Voice #		
	MSB #	LSB #	Program Change #
Fantasy	0	64	88
Warm Pad	0	0	89
ThickPad	0	16	89
Soft Pad	0	17	89
Sine Pad	0	18	89
Horn Pad	0	64	89
RotarStr	0	65	89
PolySyPd	0	0	90
PolyPd80	0	64	90
ClickPad	0	65	90
Ana. Pad	0	66	90
SquarPad	0	67	90
ChoirPad	0	0	91
Heaven	0	64	91
Itopia	0	66	91
CC Pad	0	67	91
BowedPad	0	0	92
Glacier	0	64	92
GlassPad	0	65	92
MetalPad	0	0	93
Tine Pad	0	64	93
Pan Pad	0	65	93
Halo Pad	0	0	94
SweepPad	0	0	95
Shwimmer	0	20	95
Converge	0	27	95
PolarPad	0	64	95
Celstial	0	66	95
Rain	0	0	96
ClaviPad	0	45	96
HrmoRain	0	64	96
AfrcnWnd	0	65	96
Carib	0	66	96
SoundTrk	0	0	97
Prologue	0	27	97
Ancestrl	0	64	97
Crystal	0	0	98
SynDrCmp	0	12	98
Popcorn	0	14	98
TinyBell	0	18	98
RndGlock	0	35	98
GlockChi	0	40	98
ClearBel	0	41	98
ChorBell	0	42	98
SynMalet	0	64	98
SftCryst	0	65	98
LoudGlok	0	66	98
ChrstBel	0	67	98
VibeBell	0	68	98
DigiBell	0	69	98
AirBells	0	70	98
BellHarp	0	71	98
Gamelmba	0	72	98
Atmosphr	0	0	99
WarmAtms	0	18	99
HollwRls	0	19	99
Nylon EP	0	40	99
NylnHarp	0	64	99
Harp Vox	0	65	99
AtmosPad	0	66	99
Planet	0	67	99

XG

Voice Name	Voice #		
	MSB #	LSB #	Program Change #
Bright	0	0	100
FantaBel	0	64	100
Smokey	0	96	100
Goblins	0	0	101
GobSynth	0	64	101
Creeper	0	65	101
Ring Pad	0	66	101
Ritual	0	67	101
ToHeaven	0	68	101
Night	0	70	101
Glisten	0	71	101
BelChoir	0	96	101
Echoes	0	0	102
Echoes 2	0	8	102
Echo Pan	0	14	102
EchoBell	0	64	102
Big Pan	0	65	102
SynPiano	0	66	102
Creation	0	67	102
StarDust	0	68	102
Reso&Pan	0	69	102
Sci-Fi	0	0	103
Starz	0	64	103
Sitar	0	0	104
DetSitar	0	32	104
Sitar 2	0	35	104
Tambra	0	96	104
Tamboura	0	97	104
Banjo	0	0	105
MuteBnjo	0	28	105
Rabab	0	96	105
Gopichnt	0	97	105
Oud	0	98	105
Shamisen	0	0	106
Koto	0	0	107
Taisho-k	0	96	107
Kanoon	0	97	107
Kalimba	0	0	108
Bagpipe	0	0	109
Fiddle	0	0	110
Shanai	0	0	111
Shanai 2	0	64	111
Pungi	0	96	111
Hichriki	0	97	111
TnklBell	0	0	112
Bonang	0	96	112
Altair	0	97	112
Gamelan	0	98	112
S.Gamlan	0	99	112
Rama Cym	0	100	112
AsianBel	0	101	112
Agogo	0	0	113
SteelDrm	0	0	114
GlasPerc	0	97	114
ThaiBell	0	98	114
WoodBlok	0	0	115
Castanet	0	96	115
TaikoDrm	0	0	116
Gr.Cassa	0	96	116
MelodTom	0	0	117
Mel Tom2	0	64	117
Real Tom	0	65	117
Rock Tom	0	66	117
Syn Drum	0	0	118
Ana Tom	0	64	118
ElecPerc	0	65	118
RevCymbl	0	0	119
FretNoiz	0	0	120
BrthNoiz	0	0	121
Seashore	0	0	122
Tweet	0	0	123
Telphone	0	0	124
Helicptr	0	0	125
Applause	0	0	126
Gunshot	0	0	127
CuttngNz	64	0	0
CttngNz2	64	0	1
Str Slap	64	0	3
Fl.KClik	64	0	16
Shower	64	0	32
Thunder	64	0	33
Wind	64	0	34
Stream	64	0	35
Bubble	64	0	36
Feed	64	0	37
Dog	64	0	48
Horse	64	0	49
Tweet 2	64	0	50
Ghost	64	0	54
Maou	64	0	55
Tel.Dial	64	0	64
DoorSqek	64	0	65
DoorSlam	64	0	66
ScratchC	64	0	67
ScratchS	64	0	68
WindChim	64	0	69
Telphon2	64	0	70
CarElgnt	64	0	80
CarTSqel	64	0	81
Car Pass	64	0	82
CarCrash	64	0	83
Siren	64	0	84
Train	64	0	85
JetPlane	64	0	86
Starship	64	0	87
Burst	64	0	88
Coaster	64	0	89
Submarin	64	0	90
Laugh	64	0	96
Scream	64	0	97
Punch	64	0	98
Heart	64	0	99
Footstep	64	0	100
MchinGun	64	0	112
LaserGun	64	0	113
Xplosion	64	0	114
Firework	64	0	115

Demo Songs / Demo-Songs / Morceaux de démo / Canciones de demostración

SONG DEMO

	Title	Composer
Song 1	Klavier Konzert a moll op.16 (Piano Concert a minor op.16)	E.Grieg
Song 3	Beautiful Dreamer	S.C.Foster
Song 4	Annie Laurie	Traditional

VOICE DEMO

	Title	Composer
PIANO	Walzer op.70-1	F.Chopin
SYNTHESIZER	Bruyeres	C.A.Debussy
ORGAN	Choralvorspiele “Ich ruf’ zu dir, Herr Jesus Christ”	J.S.Bach
PERCUSSION	Air de Ballet	M.Moszkowski
XG	TREPAK from “Nutcracker Suite” op.71a	P.I.Tschaikovsky

- *Some of the demonstration pieces listed above are specially-arranged excerpts from the original compositions listed above. All other songs are original (©1999 Yamaha Corporation).*
- *Bei manchen der oben aufgelisteten Demostücke handelt es sich um Auszüge aus den Originalkompositionen mit speziellem Arrangement. Alle anderen Stücke sind eigene Kompositionen (© 1999 Yamaha Corporation).*
- *Certains des morceaux de démonstration énumérés ci-dessus sont de courts extraits des compositions originales. Tous les autres morceaux sont des créations originales (© 1999 Yamaha Corporation).*
- *Alguna de las piezas de demostración arriba listadas son exceptos especialmente preparados de las composiciones originales de arriba. Todas las otras canciones son originales (© 1999 Yamaha Corporation.)*

Drum/key Assignment List / Verzeichnis der Liste d'assignation instrument de batterie/ Lista de asignaciones de teclas/batería

Bank Select MSB						127	127	127	127	127	127	127
Bank Select LSB						0	0	0	0	0	0	0
Program # (1-128)						1	2	4	9	17	25	26
Keyboard Note		MIDI Note #	MIDI Note		Key off	Alternate assign	Standard Kit	Standard 2 Kit	Hit Kit (CVP-109/107/700)	Room Kit	Rock Kit	Electro Kit	Analog Kit
C♯	1	13	C♯	-1		3	Surdo Mute	Surdo Mute	Surdo Mute	Surdo Mute	Surdo Mute	Surdo Mute	Surdo Mute
D	1	14	D	-1		3	Surdo Open	Surdo Open	Surdo Open	Surdo Open	Surdo Open	Surdo Open	Surdo Open
D♯	1	15	D♯	-1			Hi Q	Hi Q	Hi Q	Hi Q	Hi Q	Hi Q	Hi Q
E	1	16	E	-1			Whip Slap	Whip Slap	Whip Slap	Whip Slap	Whip Slap	Whip Slap	Whip Slap
F	1	17	F	-1		4	Scratch H	Scratch H	Scratch H	Scratch H	Scratch H	Scratch H	Scratch H
F♯	1	18	F♯	-1		4	Scratch L	Scratch L	Scratch L	Scratch L	Scratch L	Scratch L	Scratch L
G	1	19	G	-1			Finger Snap	Finger Snap	Finger Snap	Finger Snap	Finger Snap	Finger Snap	Finger Snap
G♯	1	20	G♯	-1			Click Noise	Click Noise	Click Noise	Click Noise	Click Noise	Click Noise	Click Noise
A	1	21	A	-1			Mtrnm Click	Mtrnm Click	Mtrnm Click	Mtrnm Click	Mtrnm Click	Mtrnm Click	Mtrnm Click
A♯	1	22	A♯	-1			Mtrnm Bell	Mtrnm Bell	Mtrnm Bell	Mtrnm Bell	Mtrnm Bell	Mtrnm Bell	Mtrnm Bell
B	1	23	B	-1			Seq Click L	Seq Click L	Seq Click L	Seq Click L	Seq Click L	Seq Click L	Seq Click L
C	2	24	C	0			Seq Click H	Seq Click H	Seq Click H	Seq Click H	Seq Click H	Seq Click H	Seq Click H
C♯	2	25	C♯	0			Brush Tap	Brush Tap	Brush Tap	Brush Tap	Brush Tap	Brush Tap	Brush Tap
D	2	26	D	0	○		Brush Swirl	Brush Swirl	Brush Swirl	Brush Swirl	Brush Swirl	Brush Swirl	Brush Swirl
D♯	2	27	D♯	0			Brush Slap	Brush Slap	Brush Slap	Brush Slap	Brush Slap	Brush Slap	Brush Slap
E	2	28	E	0	○		BrushTapSwrl	BrushTapSwrl	BrushTapSwrl	BrushTapSwrl	BrushTapSwrl	ReversCymbal	ReversCymbal
F	2	29	F	0	○		Snare Roll	Snare Roll 2	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll
F♯	2	30	F♯	0			Castanet	Castanet	Castanet	Castanet	Castanet	Hi Q 2	Hi Q 2
G	2	31	G	0			Snare Soft	Snare Soft 2	Snare Electro	Snare Soft	Snare Noisy	SnrSnpyElctr	SnareNoisy 4
G♯	2	32	G♯	0			Sticks	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
A	2	33	A	0			Kick Soft	Kick Soft	Kick Tight L	Kick Soft	Kick Tight 2	Kick 3	Kick Tight 2
A♯	2	34	A♯	0			OpenRimShot	RimShotHShrt	Snare Pitched	OpenRimShot	OpenRimShot	OpenRimShot	OpenRimShot
B	2	35	B	0			Kick Tight	KickTghtShrt	Kick Wet	Kick Tight	Kick 2	Kick Gate	KickAnlgShrt
C	3	36	C	1			Kick	Kick Short	Kick Tight H	Kick	Kick Gate	KckGateHeavy	Kick Analog
C♯	3	37	C♯	1			Side Stick	Side Stick	Stick Ambient	Side Stick	Side Stick	Side Stick	SideStickAn
D	3	38	D	1			Snare	Snare Short	Snare Ambient	Snare Snappy	Snare Rock	SnareNoisy 2	SnareAnalog
D♯	3	39	D♯	1			Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
E	3	40	E	1			Snare Tight	SnareTight H	Snare Tight 2	SnrTightSnpy	SnareRockRim	SnareNoisy 3	SnareAnalog2
F	3	41	F	1			Floor Tom L	Floor Tom L	Hybrid Tom 1	Tom Room 1	Tom Rock 1	TomElectro 1	Tom Analog 1
F♯	3	42	F♯	1		1	Hi-HatClosed	Hi-HatClosed	Hi-Hat Closed Light	Hi-HatClosed	Hi-HatClosed	Hi-HatClosed	HatCloseAnlg
G	3	43	G	1			Floor Tom H	Floor Tom H	Hybrid Tom 2	Tom Room 2	Tom Rock 2	TomElectro 2	Tom Analog 2
G♯	3	44	G♯	1		1	Hi-Hat Pedal	Hi-Hat Pedal	Hi-Hat Pedal Light	Hi-Hat Pedal	Hi-Hat Pedal	Hi-Hat Pedal	HatCloseAn 2
A	3	45	A	1			Low Tom	Low Tom	Hybrid Tom 3	Tom Room 3	Tom Rock 3	TomElectro 3	Tom Analog 3
A♯	3	46	A♯	1		1	Hi-Hat Open	Hi-Hat Open	Hi-Hat Open Light	Hi-Hat Open	Hi-Hat Open	Hi-Hat Open	HatOpen Anlg
B	3	47	B	1			Mid Tom L	Mid Tom L	Hybrid Tom 4	Tom Room 4	Tom Rock 4	TomElectro 4	Tom Analog 4
C	4	48	C	2			Mid Tom H	Mid Tom H	Hybrid Tom 5	Tom Room 5	Tom Rock 5	TomElectro 5	Tom Analog 5
C♯	4	49	C♯	2			CrashCymbal1	CrashCymbal1	CrashCymbal1	CrashCymbal1	CrashCymbal1	CrashCymbal1	Crash Analog
D	4	50	D	2			High Tom	High Tom	Hybrid Tom 6	Tom Room 6	Tom Rock 6	TomElectro 6	Tom Analog 6
D♯	4	51	D♯	2			RideCymbal 1	RideCymbal 1	RideCymbal 1	RideCymbal 1	RideCymbal 1	RideCymbal 1	RideCymbal 1
E	4	52	E	2			Chinese Cym	Chinese Cym	Chinese Cym	Chinese Cym	Chinese Cym	Chinese Cym	Chinese Cym
F	4	53	F	2			Ride Cym Cup	Ride Cym Cup	Ride Cym Cup	Ride Cym Cup	Ride Cym Cup	Ride Cym Cup	Ride Cym Cup
F♯	4	54	F♯	2			Tambourine	Tambourine	Tambourine Light	Tambourine	Tambourine	Tambourine	Tambourine
G	4	55	G	2			SplashCymbal	SplashCymbal	SplashCymbal	SplashCymbal	SplashCymbal	SplashCymbal	SplashCymbal
G♯	4	56	G♯	2			Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell Anlg
A	4	57	A	2			CrashCymbal2	CrashCymbal2	CrashCymbal2	CrashCymbal2	CrashCymbal2	CrashCymbal2	CrashCymbal2
A♯	4	58	A♯	2			Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
B	4	59	B	2			RideCymbal 2	RideCymbal 2	RideCymbal 2	RideCymbal 2	RideCymbal 2	RideCymbal 2	RideCymbal 2
C	5	60	C	3			Bongo H	Bongo H	Bongo H	Bongo H	Bongo H	Bongo H	Bongo H
C♯	5	61	C♯	3			Bongo L	Bongo L	Bongo L	Bongo L	Bongo L	Bongo L	Bongo L
D	5	62	D	3			Conga H Mute	Conga H Mute	Conga H Mute	Conga H Mute	Conga H Mute	Conga H Mute	Conga Anlg H
D♯	5	63	D♯	3			Conga H Open	Conga H Open	Conga H Open	Conga H Open	Conga H Open	Conga H Open	Conga Anlg M
E	5	64	E	3			Conga L	Conga L	Conga L	Conga L	Conga L	Conga L	Conga Anlg L
F	5	65	F	3			Timbale H	Timbale H	Timbale H	Timbale H	Timbale H	Timbale H	Timbale H
F♯	5	66	F♯	3			Timbale L	Timbale L	Timbale L	Timbale L	Timbale L	Timbale L	Timbale L
G	5	67	G	3			Agogo H	Agogo H	Agogo H	Agogo H	Agogo H	Agogo H	Agogo H
G♯	5	68	G♯	3			Agogo L	Agogo L	Agogo L	Agogo L	Agogo L	Agogo L	Agogo L
A	5	69	A	3			Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
A♯	5	70	A♯	3			Maracas	Maracas	Maracas	Maracas	Maracas	Maracas	Maracas 2
B	5	71	B	3	○		SambaWhistlH	SambaWhistlH	SambaWhistlH	SambaWhistlH	SambaWhistlH	SambaWhistlH	SambaWhistlH
C	6	72	C	4	○		SambaWhistlL	SambaWhistlL	SambaWhistlL	SambaWhistlL	SambaWhistlL	SambaWhistlL	SambaWhistlL
C♯	6	73	C♯	4			Guiro Short	Guiro Short	Guiro Short	Guiro Short	Guiro Short	Guiro Short	Guiro Short
D	6	74	D	4	○		Guiro Long	Guiro Long	Guiro Long	Guiro Long	Guiro Long	Guiro Long	Guiro Long
D♯	6	75	D♯	4			Claves	Claves	Claves	Claves	Claves	Claves	Claves 2
E	6	76	E	4			Wood Block H	Wood Block H	Wood Block H	Wood Block H	Wood Block H	Wood Block H	Wood Block H
F	6	77	F	4			Wood Block L	Wood Block L	Wood Block L	Wood Block L	Wood Block L	Wood Block L	Wood Block L
F♯	6	78	F♯	4			Cuica Mute	Cuica Mute	Cuica Mute	Cuica Mute	Cuica Mute	Scratch H 2	Scratch H 2
G	6	79	G	4			Cuica Open	Cuica Open	Cuica Open	Cuica Open	Cuica Open	Scratch L 2	Scratch L 3
G♯	6	80	G♯	4		2	TriangleMute	TriangleMute	TriangleMute	TriangleMute	TriangleMute	TriangleMute	TriangleMute
A	6	81	A	4		2	TriangleOpen	TriangleOpen	TriangleOpen	TriangleOpen	TriangleOpen	TriangleOpen	TriangleOpen
A♯	6	82	A♯	4			Shaker	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
B	6	83	B	4			Jingle Bells	Jingle Bells	Jingle Bells	Jingle Bells	Jingle Bells	Jingle Bells	Jingle Bells
C	7	84	C	5			Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
–		85	C♯	5									
–		86	D	5									
–		87	D♯	5									
–		88	E	5									
–		89	F	5									
–		90	F♯	5									
–		91	G	5									

- *Key Off: Keys marked "○" stop sounding the instant they are released.*
- *Alternate Assign: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.*

- *Key Off: Durch "○" gekennzeichnete Klänge verstummen beim Loslassen der Taste.*
- *Alternate Assign: Mit derselben Nummer gekennzeichnete Klänge werden von demselben Instrument erzeugt und können daher nicht gleichzeitig produziert werden. Spielt einer dieser Klänge gerade, wird er beim Anschlagen einer anderen Taste mit derselben "Alternate Assign"-Nummer stummgeschaltet.*

Schlagzeugklänge / touche du clavier /

Bank Select MSB						127	127	127	127	126	126
Bank Select LSB						0	0	0	0	0	0
Program # (1-128)						28	33	41	49	1	2
Keyboard Note		MIDI Note #	MIDI Note		Key off	Alternate assign	Dance Kit	Jazz Kit	Brush Kit	Symphony Kit	SFX Kit 1	SFX Kit 2
C♯	1	13	C♯	-1		3	Surdo Mute	Surdo Mute	Surdo Mute	Surdo Mute		
D	1	14	D	-1		3	Surdo Open	Surdo Open	Surdo Open	Surdo Open		
D♯	1	15	D♯	-1			Hi Q	Hi Q	Hi Q	Hi Q		
E	1	16	E	-1			Whip Slap	Whip Slap	Whip Slap	Whip Slap		
F	1	17	F	-1		4	Scratch H	Scratch H	Scratch H	Scratch H		
F♯	1	18	F♯	-1		4	Scratch L	Scratch L	Scratch L	Scratch L		
G	1	19	G	-1			Finger Snap	Finger Snap	Finger Snap	Finger Snap		
G♯	1	20	G♯	-1			Click Noise	Click Noise	Click Noise	Click Noise		
A	1	21	A	-1			Mtrnm Click	Mtrnm Click	Mtrnm Click	Mtrnm Click		
A♯	1	22	A♯	-1			Mtrnm Bell	Mtrnm Bell	Mtrnm Bell	Mtrnm Bell		
B	1	23	B	-1			Seq Click L	Seq Click L	Seq Click L	Seq Click L		
C	2	24	C	0			Seq Click H	Seq Click H	Seq Click H	Seq Click H		
C♯	2	25	C♯	0			Brush Tap	Brush Tap	Brush Tap	Brush Tap		
D	2	26	D	0	○		Brush Swirl	Brush Swirl	Brush Swirl	Brush Swirl		
D♯	2	27	D♯	0			Brush Slap	Brush Slap	Brush Slap	Brush Slap		
E	2	28	E	0	○		ReversCymbal	BrushTapSwrl	BrushTapSwrl	BrushTapSwrl		
F	2	29	F	0	○		Snare Roll	Snare Roll	Snare Roll	Snare Roll		
F♯	2	30	F♯	0			Hi Q 2	Castanet	Castanet	Castanet		
G	2	31	G	0			SnareTechno3	Snare Soft	Brush Slap 2	Brush Slap 2		
G♯	2	32	G♯	0			Sticks	Sticks	Sticks	Sticks		
A	2	33	A	0			KickTechno Q	Kick Soft	Kick Soft	Kick Soft 2		
A♯	2	34	A♯	0			Rim Gate	OpenRimShot	OpenRimShot	OpenRimShot		
B	2	35	B	0			KickTechno L	Kick Tight	Kick Tight	Gran Cassa		
C	3	36	C	1			KickTechno 2	Kick Jazz	Kick Small	GranCassa Mu	CuttingNoiz	Phone Call
C♯	3	37	C♯	1			SideStickAn	Side Stick	Side Stick	Side Stick	CuttingNoiz2	Door Squeak
D	3	38	D	1			Snare Clap	Snare	Brush Slap 3	Band Snare		Door Slam
D♯	3	39	D♯	1			Hand Clap	Hand Clap	Hand Clap	Hand Clap	String Slap	Scratch Cut
E	3	40	E	1			Snare Dry 2	Snare Tight	Brush Tap 2	Band Snare 2		Scratch H 3
F	3	41	F	1			Tom Analog 1	Tom Jazz 1	Tom Brush 1	Tom Jazz 1		Wind Chime
F♯	3	42	F♯	1		1	HiHatClose 3	Hi-HatClosed	Hi-HatClosed	Hi-HatClosed		Telephone 2
G	3	43	G	1			Tom Analog 2	Tom Jazz 2	Tom Brush 2	Tom Jazz 2		
G♯	3	44	G♯	1		1	HatCloseAn 2	Hi-Hat Pedal	Hi-Hat Pedal	Hi-Hat Pedal		
A	3	45	A	1			Tom Analog 3	Tom Jazz 3	Tom Brush 3	Tom Jazz 3		
A♯	3	46	A♯	1		1	HiHat Open 3	Hi-Hat Open	Hi-Hat Open	Hi-Hat Open		
B	3	47	B	1			Tom Analog 4	Tom Jazz 4	Tom Brush 4	Tom Jazz 4		
C	4	48	C	2			Tom Analog 5	Tom Jazz 5	Tom Brush 5	Tom Jazz 5		
C♯	4	49	C♯	2			Crash Analog	CrashCymbal1	CrashCymbal1	Hand Cymbal		
D	4	50	D	2			Tom Analog 6	Tom Jazz 6	Tom Brush 6	Tom Jazz 6		
D♯	4	51	D♯	2			RideCymbal 1	RideCymbal 1	RideCymbal 1	HandCymShort		
E	4	52	E	2			Chinese Cym	Chinese Cym	Chinese Cym	Chinese Cym	Fl.Key Click	Ignition
F	4	53	F	2			Ride Cym Cup	Ride Cym Cup	Ride Cym Cup	Ride Cym Cup		Squeal
F♯	4	54	F♯	2			Tambourine	Tambourine	Tambourine	Tambourine		Exhaust
G	4	55	G	2			SplashCymbal	SplashCymbal	SplashCymbal	SplashCymbal		Crash
G♯	4	56	G♯	2			Cowbell Anlg	Cowbell	Cowbell	Cowbell		Siren
A	4	57	A	2			CrashCymbal2	CrashCymbal2	CrashCymbal2	HandCymbal 2		Train
A♯	4	58	A♯	2			Vibraslap	Vibraslap	Vibraslap	Vibraslap		Jet Plane
B	4	59	B	2			RideCymbal 2	RideCymbal 2	RideCymbal 2	HandCym2Shrt		Starship
C	5	60	C	3			Bongo H	Bongo H	Bongo H	Bongo H		Burst
C♯	5	61	C♯	3			Bongo L	Bongo L	Bongo L	Bongo L		Coaster
D	5	62	D	3			Conga Anlg H	Conga H Mute	Conga H Mute	Conga H Mute		Submarine
D♯	5	63	D♯	3			Conga Anlg M	Conga H Open	Conga H Open	Conga H Open		
E	5	64	E	3			Conga Anlg L	Conga L	Conga L	Conga L		
F	5	65	F	3			Timbale H	Timbale H	Timbale H	Timbale H		
F♯	5	66	F♯	3			Timbale L	Timbale L	Timbale L	Timbale L		
G	5	67	G	3			Agogo H	Agogo H	Agogo H	Agogo H		
G♯	5	68	G♯	3			Agogo L	Agogo L	Agogo L	Agogo L	Shower	Laugh
A	5	69	A	3			Cabasa	Cabasa	Cabasa	Cabasa	Thunder	Scream
A♯	5	70	A♯	3			Maracas 2	Maracas	Maracas	Maracas	Wind	Punch
B	5	71	B	3	○		SambaWhistlH	SambaWhistlH	SambaWhistlH	SambaWhistlH	Stream	Heartbeat
C	6	72	C	4	○		SambaWhistlL	SambaWhistlL	SambaWhistlL	SambaWhistlL	Bubble	Footsteps
C♯	6	73	C♯	4			Guiro Short	Guiro Short	Guiro Short	Guiro Short	Feed	
D	6	74	D	4	○		Guiro Long	Guiro Long	Guiro Long	Guiro Long		
D♯	6	75	D♯	4			Claves 2	Claves	Claves	Claves		
E	6	76	E	4			Wood Block H	Wood Block H	Wood Block H	Wood Block H		
F	6	77	F	4			Wood Block L	Wood Block L	Wood Block L	Wood Block L		
F♯	6	78	F♯	4			Scratch H 2	Cuica Mute	Cuica Mute	Cuica Mute		
G	6	79	G	4			Scratch L 3	Cuica Open	Cuica Open	Cuica Open		
G♯	6	80	G♯	4		2	TriangleMute	TriangleMute	TriangleMute	TriangleMute		
A	6	81	A	4		2	TriangleOpen	TriangleOpen	TriangleOpen	TriangleOpen		
A♯	6	82	A♯	4			Shaker	Shaker	Shaker	Shaker		
B	6	83	B	4			Jingle Bells	Jingle Bells	Jingle Bells	Jingle Bells		
C	7	84	C	5			Bell Tree	Bell Tree	Bell Tree	Bell Tree	Dog	Machine Gun
–		85	C♯	5							Horse	Laser Gun
–		86	D	5							Bird Tweet 2	Explosion
–		87	D♯	5								Firework
–		88	E	5								
–		89	F	5								
–		90	F♯	5							Ghost	
–		91	G	5							Maou	

- *Key off : Le son produit par les touches marquées "○" cesse à l'instant où la touche est relâchée.*
- *Alternate Assign : Le fait de jouer un instrument appartenant à un groupe ayant un numéro arrête immédiatement le son de tout autre instrument appartenant à un groupe ayant le même numéro.*

- *Key Off: Las teclas marcadas con "○" dejan de sonar en el momento en que se sueltan.*
- *Alternate Assign: Al tocar algún instrumento con un grupo numerado detendrá inmediatamente el sonido de cualquier otro instrumento del mismo grupo con el mismo número.*

Style List / Style-Verzeichnis / Liste des styles / Lista de estilos

Category	Style Name
8 BEAT	8 Beat 1
	8 Beat 2
	8Bt Adria
	8Bt Pop 1
	8Bt Pop 2
	British Pop
	8 Beat Rock ◆ ●
	8 Beat Soft
	8Beat Ballad
	Light Pop
16 BEAT	16 Beat 1
	16 Beat 2
	16 Beat 3
	16 Beat 4
	16 Beat 5
	Soft Fusion
	Groundbeat ◆ ●
	Hip Hop Pop
	16Bt Funk
	Funky Pop
	Funky Dance
	80's Fusion
	Jazz Rock
	Funk ◆ ●
	FusionShfl. ●
	16 Beat 6
BALLAD	16-Ballad 1
	16-Ballad 2
	Piano Ballad
	Rock Ballad
	U.S. Ballad
	Slow Rock 1
	Slow Rock 2
	Slow Ballad
	Analog Pop ●
	Modern 6/8
	Pop Ballad 1
	Pop Ballad 2
	Cool Night
	GuitarBallad
	Organ Ballad
	Pop Ballad 3
	Pop Ballad 4 ◆ ●
	Blues Ballad ■ ◆ ●
	Epic Ballad
	Pop Waltz

Category	Style Name
DANCE	Clubdance
	Techno
	Entrance
	Eurobeat
	Trance ◆ ●
	70's Disco 1 *1
	80's Disco ◆ ●
	90's Disco
	Disco Soul
	Cool Dance
	Miami Pop
	Disco Tropic
	Disco Hands
	Electro Pop ●
	70's Disco 2 ◆ ●
ROCK/R&B	Rock 1 *2
	Hard Rock
	R & Roll 1 *3
	Rock Shuffle
	Gospel Shffl
	R & B 1
	Twist 1 *4
	Motown
	Soul ■ ◆ ●
	4/4 Blues
	Rock 2 ●
	8 Beat Heat
	R & Roll 2 ◆ ●
	Soul Shuffle
	Pop Shuffle
	R & B 2
	Twist 2 ■ ◆ ●
	6/8 Blues
	Blues Rock ■ ◆ ●
	6/8 Rock
SWING/JAZZ	Swing 1 *5
	Big Band 1
	BigBand Bld
	Jazz Ballad
	Jazz Trio
	Boogie 1 *6
	Dixieland 1
	BBand Boogie ●
	Gypsy Swing ●
	Bebop
	Swing 2 ●

Category	Style Name
SWING/JAZZ	Big Band 2
	Big Band 3 ■ ◆ ●
	Jazz Club 1 ■ ◆ ●
	Jazz Club 2 ■ ◆ ●
	Boogie 2 ■ ◆ ●
	Dixieland 2
	Swing Ballad ■ ◆ ●
	Jazz Waltz 1
	Jazz Waltz 2
LATIN	Samba Rio
	Bossa Nova 1 *7
	Bossa Nova 2 ●
	Reggae ■ ◆ ●
	Swing Reggae
	GuitarRhumba
	Guitar Bossa
	Salsa
	Mambo
	Pop Samba ◆ ●
	Jazz Samba ●
	Pop Bossa 1 *8
	Pop Bossa 2 ◆ ●
	Spanish Paso
	Pop Reggae
	Pop Rhumba ◆ ●
	Pop Cha Cha ◆ ●
COUNTRY	Country Rock
	Country 8Bt
	Country Pop
	CntryShuffle
	Cntry Swing
	Bluegrass
	Cntry Ballad
	Two Step
	CowboyBoogie ●
	Hoedown
	CountryWaltz
	Folk
BALLROOM	Vienna Waltz
	Slow Waltz
	Slow Fox
	Quickstep 1
	Tango
	Cha Cha
	Samba
	Rhumba
	Pasodoble
	Jive
	Orch.Waltz
	Beguine
	Foxtrot
	Quickstep 2

Category	Style Name
TRAD./ WALTZ	U.S. March
	German March
	6/8 March 1
	Showtune
	Polka Pop
	Ober Polka
	Oberkrain.W.
	Tarantella
	Musette
	Guitar Waltz
	6/8 March 2
	Enka 1
	Enka 2
PIANIST	Stride 1
	Stride 2
	Swing 1
	Swing 2
	Jazz Ballad
	Blues 1
	Blues 2
	BoogieWoogie
	Jazz Waltz
	Arpeggio 1
	8Bt Ballad 1
	8Bt Ballad 2
	8 Beat
	Rock'n' Roll
	Slow Rock
	2Beat Swing
	Ragtime 1
	Ragtime 2
	March 1
	6/8 March
	4 Stroke
	March 2
	Musical
	Traditional1
	Traditional2
	Traditional3
	Arpeggio 2
	Arpeggio 3
	Waltz
	Slow Waltz
	Bossa Nova
	Samba
	Rhumba
	Cha Cha
	Beguine

- *Styles marked with a ■ are not available on the CVP-107/700.*
- *Styles marked with a ◆ are not available on the CVP-105.*
- *Styles marked with a ● are not available on the CVP-103.*

**1 "70's Disco" on the CVP-105/103.*
**2 "Rock" on the CVP-103.*
**3 "R & Roll" on the CVP-105/103.*
**4 "Twist" on the CVP-107/105/103/700.*
**5 "Swing" on the CVP-103.*
**6 "Boogie" on the CVP-107/105/103/700.*
**7 "Bossa Nova" on the CVP-103.*
**8 "Pop Bossa" on the CVP-105/103.*

- *Les styles marqués d'un ■ n'existent pas sur le CVP-107/700.*
- *Les styles marqués d'un ◆ n'existent pas sur le CVP-105.*
- *Les styles marqués d'un ● n'existent pas sur le CVP-103.*

**1 "70's Disco" sur le CVP-105/103.*
**2 "Rock" sur le CVP-103.*
**3 "R & Roll" sur le CVP-105/103.*
**4 "Twist" sur le CVP-107/105/103/700.*
**5 "Swing" sur le CVP-103.*
**6 "Boogie" sur le CVP-107/105/103/700.*
**7 "Bossa Nova" sur le CVP-103.*
**8 "Pop Bossa" sur le CVP-105/103.*

- *Mit a ■ markierte Styles sind auf dem CVP-107/700 nicht verfügbar.*
- *Mit a ◆ markierte Styles sind auf dem CVP-105 nicht verfügbar.*
- *Mit a ● markierte Styles sind auf dem CVP-103 nicht verfügbar.*

**1 "70's Disco" auf dem CVP-105/103.*
**2 "Rock" auf dem CVP-103.*
**3 "R & Roll" auf dem CVP-105/103.*
**4 "Twist" auf dem CVP-107/105/103/700.*
**5 "Swing" auf dem CVP-103.*
**6 "Boogie" auf dem CVP-107/105/103/700.*
**7 "Bossa Nova" auf dem CVP-103.*
**8 "Pop Bossa" auf dem CVP-105/103.*

- *Estilos marcados con una ■ no están disponibles en la CVP-107/700.*
- *Estilos marcados con una ◆ no están disponibles en la CVP-105.*
- *Estilos marcados con una ● no están disponibles en la CVP-103.*

**1 "70's Disco" en la CVP-105/103.*
**2 "Rock" en la CVP-103.*
**3 "R & Roll" en la CVP-105/103.*
**4 "Twist" en la CVP-107/105/103/700.*
**5 "Swing" en la CVP-103.*
**6 "Boogie" en la CVP-107/105/103/700.*
**7 "Bossa Nova" en la CVP-103.*
**8 "Pop Bossa" en la CVP-105/103.*

Vocal Harmony Type List (CVP-109/107/700) / Liste Stimmharmonietyp (Vocal Harmony Type) (CVP-109/107/700) / Liste des types d'harmonie vocale (CVP-109/107/700) / Lista de tipos Vocal Harmony (CVP-109/107/700)

Display Name	Harmony Type	Harmony Mode
Std:Duet	Standard:Duet	Chordal/Vocoder
Girl:Duet	Girl:Duet	Chordal/Vocoder
Lisa&Tina	Lisa and Tina	Chordal/Vocoder
Singer	Singer	Chordal/Vocoder
Dream Girls	Dream Girls	Chordal/Vocoder
MenChoir	Men Choir	Chordal/Vocoder
WomenChoir	Women Choir	Chordal/Vocoder
ClosedChoir	Closed Choir	Chordal/Vocoder
MixedChoir	Mixed Choir	Chordal/Vocoder
CountryMen	Country Men	Chordal/Vocoder
CntryGirls	Country Girls	Chordal/Vocoder
Barbershop	Barbershop	Chordal/Vocoder
MenCho:Jazz	MenChoir:Jazz	Chordal/Vocoder
WomenCho:J	WomenCho:Jazz	Chordal/Vocoder
CloseCho:J	ClosedCho:Jazz	Chordal/Vocoder
MixedCho:J	MixedCho:Jazz	Chordal/Vocoder
MenCho:Dia	MenCho:Diatonic	Chordal/Vocoder
Girl:Diatnc	Girl:Diatonic	Chordal/Vocoder
ACapellBoy	A Capella Boy	Chordal/Vocoder
ACapellaMix	A Capella Mix	Chordal/Vocoder
ACapellaDia	A Capella Dia	Chordal/Vocoder

Display Name	Harmony Type	Harmony Mode
Falset:Duet	Falsetto:Duet	Chordal/Vocoder
Falsett:Trio	Falsetto:Trio	Chordal/Vocoder
Falsetto:Dia	Falsetto:Dia	Chordal/Vocoder
Falset:Jazz	Falsetto:Jazz	Chordal/Vocoder
FalACapella	Fal A Capella	Chordal/Vocoder
UnisonLow:2	Unison Low:2	Chordal/Vocoder
UnisonHigh:2	Unison High:2	Chordal/Vocoder
UnisonLow:3	Unison Low:3	Chordal/Vocoder
UnisonHigh:3	Unison High:3	Chordal/Vocoder
XG	XG	Chordal/Vocoder
Karaok:Duet	Karaoke:Duet	Chordal/Vocoder
Karaok:Trio	Karaoke:Trio	Chordal/Vocoder
KaraokGirl	Karaoke:Girl	Chordal/Vocoder
KaraokPich	Karaoke:Pitch	Chordal/Vocoder
SingBass	Sing the Bass	Chromatic
SpdyMouse	Speedy Mouse	Chromatic
ChromatXG	ChromaticXG	Chromatic
DetuneXG	DetuneXG	Detune
Voice&Inst	Voice & Inst	Chromatic
VoiceToInst	Voice to Inst	Chromatic
Thru	Thru	---

Note: Vocal harmony types that have "Chordal/Vocoder" in the Harmony Mode column can be used in either Chordal or Vocoder mode.

Hinweis: Stimmharmonietypen, die die Option "Chordal/Vocoder" in der Spalte Harmoniemodus besitzen, dürfen entweder im Modus "Chordal" oder im Modus "Vocoder" benutzt werden.

Remarque : les types d'harmonie vocale comportant la valeur "Chordal/Vocoder" dans la colonne Harmony Mode peuvent être utilisés en mode Chordal comme en mode Vocoder.

Nota: Los tipos Vocal harmony que presentan "Chordal/Vocoder" en la columna del modo de armonía pueden utilizarse en modo Chordal o Vocoder.

Parameter Chart / Parameterübersicht / Tableau des paramètres / Gráfica de parámetros

Group	Contents	Default	V. Harmony Memory	One Touch Setting	Music Database	Set Up Memory	Registration Freeze Group	All Set Up	Backup Group	Recall Group
VOICE	RIGHT1 VOICE	Grand Piano	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT1 OCTAVE SHIFT	0	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT1 PAN	Center	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT1 VOLUME	127	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	Selected voice in each VOICE SELECT page	Top voice	—	—	—	—	—	O	VOICE SETTING	VOICE SETTING
	HARMONY ON/OFF	OFF	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	HARMONY TYPE	Depends on voice selection.	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	HARMONY VOLUME	Depends on voice selection.	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	HARMONY SPEED	Depends on voice selection.	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
DUAL	DUAL ON/OFF	OFF	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT2 VOICE	Strings Slow	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT2 OCTAVE SHIFT	0	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	DUAL DETUNE DEPTH	5	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT2 PAN	Center	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	RIGHT2 VOLUME	127	—	O	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
SPLIT	SPLIT ON/OFF	OFF	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	LEFT VOICE	Acous.Bass 1	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	LEFT OCTAVE SHIFT	+1	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	SPLIT POINT	F#2	—	—	—	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	LEFT PAN	Center	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	LEFT VOLUME	127	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	PEDAL RANGE	RIGHT	—	—	—	O	PEDAL	O	PEDAL	PEDAL
ORGAN FLUTES (109/107/700) [1]	ORGAN FLUTES VOICE	JAZZ ORGAN	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	FOOTAGE (16', 8', 5+1/3', 4', 2+2/3', 2', 1+1/3', 1)	Depends on voice selection.	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	ATTACK (4', 2+2/3', 2', LENGTH, RESPONSE)	Depends on voice selection.	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	ATTACK MODE (EACH/FIRST)	Depends on voice selection.	—	—	O	O	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
REVERB	REVERB ON/OFF	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	REVERB TYPE	Depends on style (voice) selection.	—	—	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	Natural Reverb Type (109)	Depends on style (voice) selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	Reverb System (RIGHT1, RIGHT2, LEFT) (109)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	REVERB TOTAL DEPTH	64	—	—	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	REVERB PART DEPTH (RHYTHM, ACMP)	64	—	—	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	REVERB PART DEPTH (LEFT, RIGHT1, RIGHT2)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
EFFECT	EFFECT ON/OFF	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT TYPE (RIGHT1, RIGHT2, LEFT) (105/103)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT1 TYPE (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT2 TYPE (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT DEPTH (105/103)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT1 DEPTH (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT2 DEPTH (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT VARIATION (105/103)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT1 VARIATION (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT2 VARIATION (109/107/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT1 PART (109/107/700)	RIGHT 1	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	EFFECT2 PART (109/107/700)	RIGHT 2	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
CHORUS	CHORUS ON/OFF (109/107/105/700)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	CHORUS TYPE	Depends on style selection.	—	—	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
	CHORUS DEPTH (RIGHT1, RIGHT2, LEFT)	Depends on voice selection.	—	O	O	O	REV/CHO/EFF	O	REV/CHO/EFF	REV/CHO/EFF
EQUALIZER [2] (109/107/700)	EQUALIZER TYPE	STANDARD	—	—	—	—	VOICE SETTING	O	VOICE SETTING	VOICE SETTING
	EQUALIZER GAIN	Depends on equalizer type selection.	—	—	—	—	VOICE SETTING	O	VOICE SETTING	VOICE SETTING

Parameter Chart / Parameterübersicht / Tableau des paramètres / Gráfica de parámetros

Group	Contents	Default	V. Harmony Memory	One Touch Setting	Music Database	Set Up Memory	Registration Freeze Group	All Set Up	Backup Group	Recall Group
REGISTRATION	REGISTRATION FREEZE ON/OFF	OFF	—	—	—	—	—	—	REGISTRATION	REGISTRATION
	FREEZE CATEGORY ON/OFF (VOICE SETTING, REV/CHO/EFF(109/107/700), REVERB/EFFECT(105/103), TUNE, PEDAL, ACMP.SETTING, VOCAL HARMONY (109/107/700)	ACMP. SETTING: ON Others: OFF	—	—	—	—	—	—	REGISTRATION	REGISTRATION
	REGISTRATION NAME (109/107/105/700)	REGIST Bank-Num.	—	—	—	—	Always recalled.	○	REGISTRATION	REGISTRATION
	ALL REGISTRATION Memory Data (20)	Factory preset data	—	—	—	—	—	○	REGISTRATION	REGISTRATION
MIXER	MIXER PART VOLUME (RHYTHM, BASS, CHORD, PAD, PHRASE)	110	—	—	○	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	KEYBOARD VOLUME	127	—	—	○	○	VOICE SETTING	○	VOICE SETTING	VOICE SETTING
ACCOMPANIMENT	STYLE	8 Beat 1	—	—	○	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	Selected style in each STYLE SELECT page	Top style	—	—	—	—	—	○	ACMP SETTING	ACMP SETTING
	MAIN A/B/C/D	MAIN C	—	—	○	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	ACMP. ON/OFF	OFF	—	ON	ON	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	ACCOMPANIMENT MODE	MULTI FINGER	—	—	—	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	TEMPO[3]	Depends on style selection.	—	—	○	—	ACMP. SETTING	○	ACMP SETTING	ACMP SETTING
	INTRO/FILL IN/ENDING	OFF	—	—	—	—	ACMP. SETTING	○	—	—
METRONOME	METRONOME TYPE	NORMAL	—	—	—	—	—	○	ACMP SETTING	ACMP SETTING
	METRONOME VOLUME	64	—	—	—	—	—	○	ACMP SETTING	ACMP SETTING
SONG	GUIDE MODE	NORMAL	—	—	—	—	—	—	—	—
	SOUND REPEAT	AUTO	—	—	—	—	—	○	SONG SETTING	SONG SETTING
	PIANO ROLL DISPLAY	AUTO	—	—	—	—	—	○	SONG SETTING	SONG SETTING
	GUIDE LAMP ON/OFF	ON	—	—	—	—	—	○	SONG SETTING	SONG SETTING
	LYRICS ON/OFF	ON	—	—	—	—	—	○	SONG SETTING	SONG SETTING
	SONG VOLUME	[ACMP/SONG VOLUME] slider value	—	—	—	—	—	—	SONG SETTING	—
HELP	LANGUAGE	ENGLISH	—	—	—	—	—	○	Always backed up.	—
FUNCTION	TUNE	440.0Hz (A3)	—	—	—	—	—	○	TUNE	TUNE
	TRANSPOSE (ALL)	0	—	—	—	—	VOICE SETTING	○	VOICE SETTING	VOICE SETTING
	TRANSPOSE (SONG)	0	—	—	—	—	—	○	VOICE SETTING	VOICE SETTING
	VOICE SETTING	AUTO	—	—	—	—	—	○	VOICE SETTING	VOICE SETTING
	KEY TOUCH	NORMAL	—	—	—	—	VOICE SETTING	○	VOICE SETTING	VOICE SETTING
	FIXED VELOCITY	76	—	—	—	—	VOICE SETTING	○	VOICE SETTING	VOICE SETTING
	LEFT PEDAL FUNCTION	SOFT	—	—	○	○	PEDAL	○	PEDAL	PEDAL
	RIGHT PEDAL FUNCTION (109/107/700)	Depends on R1 voice selection.	—	—	○	○	VOICE SETTING	○	VOICE SETTING	VOICE SETTING
	LEFT PART MIDI SEND Ch.	3	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	RIGHT 1 PART MIDI SEND Ch.	1	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	RIGHT 2 PART MIDI SEND Ch.	2	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	LOCAL CONTROL ON/OFF	ON	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	SYNC. CLOCK	INT.	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	PROGRAM CHANGE SEND/RECEIVE ON/OFF	TX&RX (ON)	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	CONTROL CHANGE SEND/RECEIVE ON/OFF	TX&RX (ON)	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	SYSTEM EXCLUSIVE SEND/RECEIVE ON/OFF	TX&RX (ON)	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	START/STOP SEND/RECEIVE ON/OFF	OFF	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	MIDI FILTER ON/OFF (all channels)	ON	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	MIDI TRANSPOSE RECEIVE ON/OFF	ON	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	ACMP & RHY SEND ON/OFF	OFF	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	HARMONY SEND ON/OFF	OFF	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	SEQUENCER SEND ON/OFF	OFF	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	REMOTE KEYBOARD	OFF	—	—	—	—	—	○	MIDI SETTING	MIDI SETTING
	MICRO TUNING ON/OFF	OFF	—	—	—	—	—	○	TUNE	TUNE
	MICRO TUNE. SETTING	0	—	—	—	—	—	○	TUNE	TUNE
	SCALE TUNING SELECT	PRESET	—	—	—	—	TUNE	○	TUNE	TUNE
	PRESET SCALE SELECT	EQUAL	—	—	—	—	TUNE	○	TUNE	TUNE
	PRESET SCALE KEY	C	—	—	—	—	TUNE	○	TUNE	TUNE
	USER SCALE SETTING	0	—	—	—	—	TUNE	○	TUNE	TUNE
	BACKUP ON/OFF	Set separately for each group.[4]							Always backed up.	
	Video Out Screen SIZE (109/107/700)	LARGE	—	—	—	—	—	—	Always backed up.	—
	Video Out CHARACTER Color (109/107/700)	BLUE (19)	—	—	—	—	—	—	Always backed up.	—
	Video Out BACKGROUND Color (109/107/700)	WHITE	—	—	—	—	—	—	Always backed up.	—
VOCAL HARMONY (109/107/700)	VOCAL HARMONY ON/OFF	OFF	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY TYPE	MenChoir	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY REVERB DEPTH	64	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY CHORUS DEPTH	0	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY EFFECT DEPTH	50	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY EFFECT TYPE	KARAOKE1	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY BALANCE	Depends on Vocal Harmony type.	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY PITCH TO NOTE PART	Depends on Vocal Harmony type.	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY GENDER TYPE	Depends on Vocal Harmony type.	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY HARMONY PART	Automatically set	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY HARMONY MODE	AUTO	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY PITCH CORRECTION	Depends on Vocal Harmony type.	○	—	—	—	VOCAL HARMONY	○	VOCAL HARMONY	VOCAL HARMONY
	VOCAL HARMONY LOCK ON/OFF	OFF	—	—	—	—	—	○	VOCAL HARMONY	VOCAL HARMONY

1 The One Touch Setting function can only set this parameter for the RIGHT1 part. The Registration function and All Set Up files can set this item for the RIGHT1, RIGHT2, and LEFT parts. Parameters related to the Organ Flutes voice will be recalled with a registration, Music Database setup, or All Setup file only if the Organ Flutes voice is selected by the recalled data.

2 The Registration function only stores the gain values for the currently selected equalizer type. The Backup function backs up the gain values for all equalizer types.

3 When a Music Database setup or registration is recalled during Auto Accompaniment playback, the style thereby selected will begin playing immediately if it is the same as the style that is currently playing, or from the top of the next measure if it is a different style.

4 REGISTRATION: ON; Others: OFF

1 La fonction One Touch Setting ne peut définir ce paramètre que pour la partie RIGHT1. La fonction Registration et les fichiers All Set Up peuvent définir ce paramètre pour les parties RIGHT1, RIGHT2, et LEFT. Les paramètres liés à la voix Organ Flute ne seront rappelés avec une registration, une configuration de Music Database, ou un fichier All Setup que si la voix Organ Flutes est sélectionnée par les données rappelées.

2 La fonction Registration ne conserve les valeurs de gain que pour le type d'égaliseur sélectionné. La fonction Backup sauvegarde les valeurs de gain pour tous les types d'égaliseur.

3 Si une configuration de Music Database ou une registration est rappelée au cours de l'accompagnement automatique, le style ainsi sélectionné sera joué immédiatement s'il est identique au style en cours de lecture, ou au début de la mesure suivante s'il s'agit d'un style différent.

4 REGISTRATION : ON ; Autres : OFF

1 Die Funktion One Touch-Einstellungen aktiviert diesen Parameter nur für den Part RIGHT1. Die Registrierungsfunktion und die All Setup-Dateien ermöglichen das Einstellen dieses Elements für die Parts RIGHT1, RIGHT2 und LEFT. Parameter, die sich auf den Orgelpfeifenklang beziehen, können nur dann mit einer Registrierungs-, Musikdatenbank-Setup- oder All Setup-Datei wieder aufgerufen werden, wenn der Orgelpfeifenklang über die Aufrufdaten ausgewählt wurde.

2 Die Registrierungsfunktion speichert die gewonnenen Werte nur zum aktuell gewählten Equalizertyp ab. Die Backup-Funktion speichert die gewonnenen Werte zu sämtlichen Equalizertypen ab.

3 Bei Wiederaufruf eines Musikdatenbank-Setup oder einer Registrierung während des Auto Accompaniment-Backup (Backup von Autom. Begleitung) wird der dabei gewählte Style sofort abgespielt, sofern dieser derselbe ist wie der aktuell abgespielte Style, oder ab der obersten Stelle des nächsten Taktes, falls es sich um einen anderen Style handelt.

4 REGISTRATION: ON; Andere: OFF

1 La función One Touch Setting sólo puede ajustar este parámetro para la parte RIGHT1. La función Registration y los archivos All Set Up pueden ajustar este ítem para las partes RIGHT1, RIGHT2 y LEFT. Los parámetros relacionados con la voz Organ Flutes estarán llamados por un registro, los ajustes Music Database o un archivo All Setup sólo si la voz Organ Flutes se selecciona por los datos llamados.

2 La función Registration sólo almaneca los valores de ganancia para el tipo de ecualizador seleccionado. La función Backup respalda los valores de ganancia para todos los tipos de ecualizador.

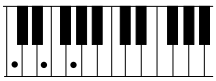
3 Cuando un registro o los ajustes Music Database están llamados durante una reproducción Auto Accompaniment, el estilo seleccionado reproducirá inmediatamente si es el mismo que el estilo que se está reproduciendo o desde el principio del compás siguiente si es un estilo diferente.

4 REGISTRATION: ON; Otros: OFF

Fingering Chart / Akkordliste / Tablature / Gráfica de digitado

** All fingerings shown are simple root-position types.*
** Die hier gezeigten Akkorde sind jeweils die Grundakkorde.*
** Tous les doigtés indiqués sont du type à position fondamentale simple.*
** Todos los digitados se muestran como tipos de posición de raíz sencilla.*

Example for "C" chords
Beispiele für "C"-Akkorde
Exemples d'accords en "C"
Ejemplo de acordes "C"

C


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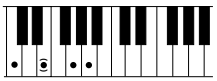

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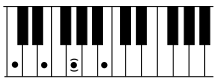

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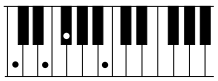

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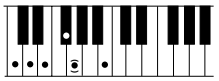

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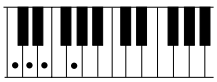

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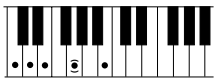

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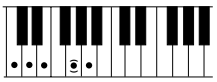

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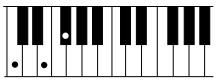

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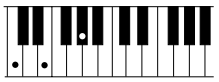

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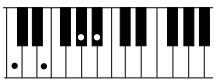

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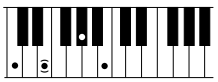
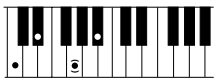


Cm


Cm6


Cm7


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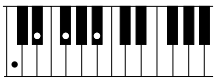

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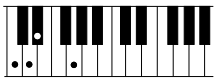

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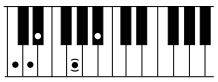

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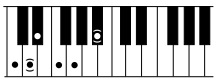

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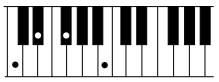

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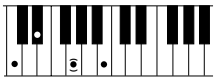

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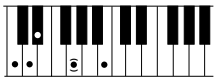

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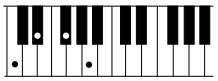

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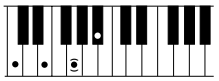

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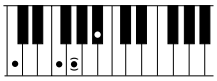

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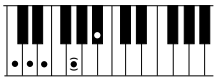

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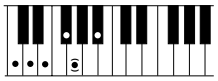

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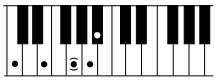
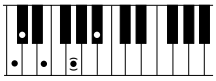
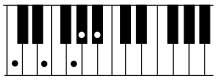
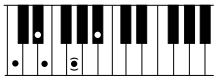
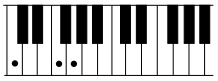


C7(♭5)


C7(♭9)


C7(♭13)


C7(♯9)


Csus4


MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter “H” as a suffix. Also, “n” can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

- Except the table above, for example 144-159(decimal)/9nH/1001 0000-1001 1111(binary) displays the Note On Message for each channel (1-16). 176-191/ BnH/1011 0000-1011 1111 displays the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 displays the Program Change Message for each channel (1-16). 240/F0H/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexidecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

(1) TRANSMIT FLOW

MIDI OUT

KEY OFF	8nH
KEY ON/OFF	9nH
CONTROL CHANGE	BnH
BANK SELECT MSB	BnH,00H
BANK SELECT LSB	BnH,20H
DATA ENTRY MSB	BnH,06H
DATA ENTRY LSB	BnH,26H
MAIN VOLUME	BnH,07H
PANPOT	BnH,0AH
EXPRESSION	BnH,0BH
SUSTAIN	BnH,40H
SOSTENUTE	BnH,42H
SOFT PEDAL	BnH,43H
PORTAMENTO CONTROL	BnH,54H
REVERB SEND LEVEL	BnH,5BH
CHORUS SEND LEVEL	BnH,5DH
VARIATION SEND LEVEL	BnH,5EH
RPN LSB	BnH,64H
RPN MSB	BnH,65H
PITCH BEND SENS.	BnH,65H,00H,64H,00H,06H,mmH
PROGRAM CHANGE	CnH
SYSTEM EXCLUSIVE MESSAGE	
<YAMAHA MIDI FORMAT>	
<UNIVERSAL>	
UNIVERSAL NON-REALTIME	F0H 7EH.....F7H
<XG STANDARD>	
XG PARAMETER CHANGE	F0H 43H 1nH 4CH aaH aaH aaH ddH .....ddH F7H
XG BULK DUMP	F0H 43H 0nH 4CH bbH bbH aaH aaH aaH ddH.....ddH ccH F7H
<CLAVINOVA MIDI COMPLIANCE>	
<SPECIAL OPERATORS>	
SYSTEM REALTIME MESSAGE	
MIDI CLOCK	F8H
START	FAH
STOP	FCH
ACTIVE SENSING	FEH

(2) RECEIVE FLOW

MIDI IN

KEY OFF	8nH
KEY ON/OFF	9nH
CONTROL CHANGE	
BANK SELECT MSB	BnH,00H
BANK SELECT LSB	BnH,20H
MODULATION	BnH,01H
PORTAMENTO TIME	BnH,05H
DATA ENTRY MSB	BnH,06H
DATA ENTRY LSB	BnH,26H
MAIN VOLUME	BnH,07H
PANPOT	BnH,0AH
EXPRESSION	BnH,0BH
SUSTAIN	BnH,40H
PORTAMENTO	BnH,41H
SOSTENUTO	BnH,42H
SOFT PEDAL	BnH,43H
HARMONIC CONTENT	BnH,47H
RELEASE TIME	BnH,48H
ATTACK TIME	BnH,49H
BRIGHTNESS	BnH,4AH
PORTAMENTO CONTROL	BnH,54H
REVERB SEND LEVEL	BnH,5BH
CHORUS SEND LEVEL	BnH,5DH
VARIATION SEND LEVEL	BnH,5EH
DATA INCREMENT	BnH,60H
DATA DECREMENT	BnH,61H
NRPN LSB	BnH,62H
NRPN MSB	BnH,63H
VIBRATO RATE	BnH,63H,01H,62H,08H,06H,mmH
VIBRATO DEPTH	BnH,63H,01H,62H,09H,06H,mmH
VIBRATO DELAY	BnH,63H,01H,62H,0AH,06H,mmH
FILTER CUTOFF FREQ.	BnH,63H,01H,62H,20H,06H,mmH
FILTER RESONANCE	BnH,63H,01H,62H,21H,06H,mmH
EQ BASS (CVP-109/107/700)	BnH,63H,01H,62H,30H,06H,mmH
EQ TREBLE (CVP-109/107/700)	BnH,63H,01H,62H,31H,06H,mmH
EQ BASS FREQ. (CVP-109/107/700)	BnH,63H,01H,62H,34H,06H,mmH
EQ TREBLE FREQ. (CVP-109/107/700)	BnH,63H,01H,62H,35H,06H,mmH
EG ATTACK TIME	BnH,63H,01H,62H,63H,06H,mmH
EG DECAY TIME	BnH,63H,01H,62H,64H,06H,mmH
EG RELEASE	BnH,63H,01H,62H,66H,06H,mmH
DRUM INST	*1
CUTOFF FREQ.	BnH,63H,14H,62H,rrH,06H,mmH

```
        FILTER RESONANCE        BnH,63H,15H,62H,rrH,06H,mmH
        EG ATTACK RATE          BnH,63H,16H,62H,rrH,06H,mmH
        EG DECAY RATE           BnH,63H,17H,62H,rrH,06H,mmH
        PITCH COARSE            BnH,63H,18H,62H,rrH,06H,mmH
        PITCH FINE              BnH,63H,19H,62H,rrH,06H,mmH
        LEVEL                   BnH,63H,1AH,62H,rrH,06H,mmH
        PANPOT                  BnH,63H,1CH,62H,rrH,06H,mmH
        REVERB SEND             BnH,63H,1DH,62H,rrH,06H,mmH
        CHORUS SEND             BnH,63H,1EH,62H,rrH,06H,mmH
        VARIATION SEND          BnH,63H,1FH,62H,rrH,06H,mmH
      RPN LSB                   BnH,64H
      RPN MSB                   BnH,65H
        PITCH BEND SENS.        BnH,65H,00H,64H,00H,06H,mmH
        FINE TUNING             BnH,65H,00H,64H,01H,06H,mmH,
                                                      26H,llH
        COARSE TUNING           BnH,65H,00H,64H,02H,06H,mmH
        NULL                    BnH,65H,7FH,64H,7FH
      ALL SOUND OFF             BnH,78H,00H
      RESET ALL CONTROLLERS     BnH,79H,00H
      ALL NOTES OFF             BnH,7BH,00H
      OMNI OFF                  BnH,7CH,00H
      OMNI ON                   BnH,7DH,00H
      MONO                      BnH,7EH
      POLY                      BnH,7FH

  PROGRAM CHANGE                CnH

  CHANNEL AFTER TOUCH           DnH

  PITCH BEND CHANGE             EnH

SYSTEM EXCLUSIVE MESSAGE
  <YAMAHA MIDI FORMAT>
  <UNIVERSAL>
UNIVERSAL REALTIME              F0H 7FH.....F7H
UNIVERSAL NON-REALTIME          F0H 7EH.....F7H
  <XG STANDARD>
XG PARAMETER CHANGE             F0H 43H 1nH 4CH aaH aaH aaH ddH
                                                    .....ddH F7H
XG BULK DUMP                    F0H 43H 0nH 4CH bbH bbH aaH aaH
                                      aaH ddH.....ddH ccH F7H
PARAMETER REQUEST               F0H 43H 3nH 4CH aaH aaH aaH F7H
DUMP REQUEST                    F0H 43H 2nH 4CH aaH aaH aaH F7H
  <CLAVINOVA MIDI COMPLIANCE>
  <SPETIAL OPERATORS>
  <Others>

SYSTEM REALTIME MESSAGE
  MIDI CLOCK                    F8H
  START                         FAH
  STOP                          FCH
  ACTIVE SENSING                FEH
```

(3) TRANSMIT/RECEIVE DATA

(3-1) CHANNEL VOICE MESSAGES

(3-1-1) KEY OFF

```
STATUS            1000nnnn(8nH) n = 0 - 15 VOICE CHANNEL NUMBER
NOTE NUMBER       0kkkkkkk      k = 0 (C-2) - 127 (G8)
VELOCITY          0vvvvvvv      v: ignored
```

(3-1-2) KEY ON/OFF

```
STATUS            1001nnnn(9nH) n = 0 - 15 VOICE CHANNEL NUMBER
NOTE NUMBER       0kkkkkkk      k = 0 (C-2) - 127 (G8)
VELOCITY          0vvvvvvv      (v ≠0) NOTE ON
                  00000000      (v =0) NOTE OFF
```

(3-1-3) PROGRAM CHANGE

```
STATUS            1100nnnn(CnH) n = 0 - 15 VOICE CHANNEL NUMBER
PROGRAM NUMBER    0ppppppp      p = 0 - 127
```

*** PROGRAM NUMBER: XG DRUM VOICE number correspondence**

```
P = 0     Standard Kit
P = 1     Standard2 Kit
P = 4     Hit Kit (CVP-109/107/700)
P = 8     Room Kit
P = 16    Rock Kit
P = 24    Electro Kit
P = 25    Analog Kit
P = 27    Dance Kit
P = 32    Jazz Kit
P = 40    Brush Kit
P = 48    Classic Kit
```

*** PROGRAM NUMBER: XG SFX KIT number correspondence**

```
P = 0     SFX1 Kit
P = 1     SFX2 Kit
```

When DRUM VOICE is selected and program change data for a different DRUM VOICE is received, the currently selected Drum Setup data will be replaced with the new DRUM VOICE DATA.

(3-1-4) CHANNEL AFTER TOUCH (Receive only)

```
STATUS            1101nnnn(DnH) n = 0 - 15 VOICE CHANNEL NUMBER
VALUE             0vvvvvvv      v = 0 - 127 AFTER TOUCH VALUE
```

(3-1-5) PITCH BEND CHANGE

```
STATUS            1110nnnn(EnH) n = 0 - 15 VOICE CHANNEL NUMBER
LSB               0vvvvvvv      PITCH BEND CHANGE LSB
MSB               0vvvvvvv      PITCH BEND CHANGE MSB
```

(3-1-6) CONTROL CHANGE

```
STATUS            1011nnnn(BnH) n = 0 - 15 VOICE CHANNEL NUMBER
CONTROL NUMBER    0ccccccc
CONTROL VALUE     0vvvvvvv
```

*** Transmit CONTROL NUMBER.**

```
c = 0       BANK SELECT MSB     ; v = 0:XG NORMAL,
                                      64:SFX NORMAL,
                                      126:XG SFX KIT,
                                      127:XG DRUM
c = 32      BANK SELECT LSB     ; v = 0 - 127
c =  6      DATA ENTRY MSB      ; v = 0 - 127              *1
c = 38      DATA ENTRY LSB      ; v = 0 - 127              *1
c =  7      MAIN VOLUME         ; v = 0 - 127
c = 10      PANPOT; v = 0 - 127
c = 11      EXPRESSION          ; v = 0 - 127
c = 64      SUSTAIN             ; v = 0-63:OFF , 64-127:ON *2
c = 66      SOSTENUTO           ; v = 0-63:OFF , 64-127:ON *2
c = 67      SOFT PEDAL          ; v = 0-63:OFF , 64-127:ON *2
c = 84      PORTAMENTO CONTROL  ; v = 0 - 127
c = 91      REVERB SEND LEVEL   ; v = 0 - 127
c = 93      CHORUS SEND LEVEL   ; v = 0 - 127
c = 94      VARIATION SEND LEVEL; v = 0 - 127
                                  (When only Connection = 1[System])
c = 100     RPN LSB             ; v = 0 - 127
c = 101     RPN MSB             ; v = 0 - 127
```

*** Receive CONTROL NUMBER.**

```
c =  0      BANK SELECT MSB     ; v = 0:XG NORMAL,
                                      64:SFX NORMAL,
                                      126:XG SFX KIT,
                                      127:XG DRUM
c = 32      BANK SELECT LSB     ; v = 0 - 127
c =  1      MODULATION          ; v = 0 - 127              *2
c =  5      PORTAMENTO TIME     ; v = 0 - 127              *2
c =  6      DATA ENTRY MSB      ; v = 0 - 127              *1
c = 38      DATA ENTRY LSB      ; v = 0 - 127              *1
c =  7      MAIN VOLUME         ; v = 0 - 127
c = 10      PANPOT; v = 0 - 127
c = 11      EXPRESSION          ; v = 0 - 127
c = 64      SUSTAIN             ; v = 0-63:OFF , 64-127:ON *2
c = 65      PORTAMENTO          ; v = 0-63:OFF , 64-127:ON *2
c = 66      SOSTENUTO           ; v = 0-63:OFF , 64-127:ON *2
c = 67      SOFT PEDAL          ; v = 0-63:OFF , 64-127:ON *2
c = 71      HARMONIC CONTENT    ; v = 0:-64 - 64:0 - 127:+63 *2
c = 72      RELEASE TIME        ; v = 0:-64 - 64:0 - 127:+63 *2
c = 73      ATTACK TIME         ; v = 0:-64 - 64:0 - 127:+63 *2
c = 74      BRIGHTNESS          ; v = 0:-64 - 64:0 - 127:+63 *2
c = 84      PORTAMENT CONTROL   ; v = 0 - 127              *2
c = 91      REVERB SEND LEVEL   ; v = 0 - 127
c = 93      CHORUS SEND LEVEL   ; v = 0 - 127
c = 94      VARIATION SEND LEVEL; v = 0 - 127
                                  (When only Connection = 1[System])
c = 96      DATA INCREMENT      ; v = 0 - 127              *1
c = 97      DATA DECREMENT      ; v = 0 - 127              *1
            RPN MSB/LSB, NRPN MSB/LSB
```

*1 Only when setting the appointed parameter with RPN, NRPN.
*2 Does not effect Rhythm Voice.

- Until a PROGRAM CHANGE message is received, the BANK SELECT operation will be suspended. When a Voice, including VOICE BANK, is changed, set the BANK SELECT and Program Change Message, and transmit in the following order, BANK SELECT MSB, LSB, PROGRAM CHANGE.
- MODULATION controls the Vibrato Depth.
- PORTAMENTO TIME controls the Pitch Change Speed when the Portamento Switch = ON. 0 being the shortest time, and 127 being the longest.
- PANPOT changes the value for the melody voice and rhythm voice in relation to the preset value.
- Portamento time is fixed to 0 when the PORTAMENTO CONTROL is used.

- HARMONIC CONTENT applies adjustment to the resonance value that is set by the voice. This parameter specifies relative change with the value of 64 producing 0 adjustment. As values get higher the sound becomes increasingly eccentric. Note that for some voices the effective parameter range is narrower than the legal parameter range.
- RELEASE TIME applies adjustment to the envelope release time set by the voice. This parameter specifies relative change with the value of 64 producing 0 adjustment.
- ATTACK TIME applies adjustment to the envelope attack time set by the voice. This parameter specifies relative change with the value of 64 producing 0 adjustment.
- BRIGHTNESS applies adjustment to the cut-off frequency set by the voice. This parameter specifies relative change with the value of 64 producing 0 adjustment. Lower voices produce a softer sound. For some voices the effective parameter range is narrower than the legal parameter range.

(3-2) CHANNEL MODE MESSAGES

```
STATUS            1011nnnn(BnH) n = 0 - 15 VOICE CHANNEL NUMBER
CONTROL NUMBER    0ccccccc      c = CONTROL NUMBER
CONTROL VALUE     0vvvvvvv      v = DATA VALUE
```

(3-2-1) ALL SOUND OFF (Receive only)
(CONTROL NUMBER = 78H , DATA VALUE = 0)

Switches off all sound from the channel. Reset Note On and Hold On conditions established by Channel Messages.

(3-2-2) RESET ALL CONTROLLERS (Receive only)
(CONTROL NUMBER = 79H , DATA VALUE = 0)

Resets controllers as follows.

```
PITCH BEND CHANGE     0 (Center)
AFTER TOUCH           0 (min.)
MODULATION            0 (min.)
EXPRESSION            127 (max.)
SUSTAIN               0 (off)
SOSTENUTO             0 (off)
SOFT PEDAL            0 (off)
NRPN                  Sets number to null. (Internal data remains unchanged)
RPN                   Sets number to null. (Internal data remains unchanged)
PORTAMENT CONTROL     Resets portamento source note number
PORTAMENTO            0 (off)
```

(3-2-3) ALL NOTES OFF (Receive only)
(CONTROL NUMBER = 7BH , DATA VALUE = 0)

Switches off all of the channel's "on" notes. However, any notes being held by SUSTAIN or SOSTENUTO continue to sound until SUSTAIN/SOSTENUTO goes off.

(3-2-4) OMNI OFF (Receive only) (CONTROL NUMBER = 7CH , DATA VALUE = 0)
Same processing as for All Notes Off.

(3-2-5) OMNI ON (Receive only) (CONTROL NUMBER = 7DH , DATA VALUE = 0)
Same processing as for All Notes Off. Omni On is not executed.

(3-2-6) MONO (Receive only) (CONTROL NUMBER = 7EH , DATA VALUE = 0)
Same processing as for All Notes Off. If the 3rd byte is in a range of 0-16 the corresponding channel will be changed to Mode 4 (m=1).

(3-2-7) POLY (Receive only) (CONTROL NUMBER = 7FH , DATA VALUE = 0)
Same processing as for All Sounds Off and the corresponding channel will be changed to Mode 3.

(3-3) REGISTERED PARAMETER NUMBER(RPN)

```
STATUS            1011nnnn(BnH) n = 0 - 15 VOICE CHANNEL NUMBER
RPN LSB           01100100(64H)
RPN LSB NUMBER    0ppppppp      p = RPN LSB (refer to the list below)
RPN MSB           01100101(65H)
RPN MSB NUMBER    0qqqqqqq      q = RPN MSB (refer to the list below)
DATA ENTRY MSB    00000110(06H)
DATA VALUE        0mmmmmmm      m = Data Value
DATA ENTRY LSB    00100110(26H)
DATA VALUE        0lllllll      l = Data Value
```

First appoints the parameter for RPN MSB/LSB, then sets the parameter value for data entry MSB/LSB.

```
RPN      D.ENTRY
LSB MSB  MSB LSB  PARAMETER NAME        DATA RANGE
00H 00H  mmH  —   PITCH BEND SENSITIVITY 00H-18H (0 - 24 semitones)
01H 00H  mmH  llH FINE TUNE      {mmH,llH} = {00H,00H}-{40H,00H}-{7FH,7FH}
                                  (-8192*100/8192) - 0 - (+8192*100/8192)
02H 00H  mmH  —   COARSE TUNE     28H - 40H - 58H (-24 - 0 - +24 semitones)
7FH 7FH  —    —   NULL            Clears the current RPN number setting.
                                  Does not change the internal parameter settings.
```

(3-4) NON-REGISTERED PARAMETER NUMBER(NRPN) (Receive only)

```
STATUS            1011nnnn(BnH) n = 0 - 15 VOICE CHANNEL NUMBER
NRPN LSB          01100010(62H)
NRPN LSB NUMBER   0ppppppp      p = NRPN LSB (refer to the list below)
NRPN MSB          01100011(63H)
NRPN MSB NUMBER   0qqqqqqq      q = NRPN MSB (refer to the list below)
DATA ENTRY MSB    00000110(06H)
DATA VALUE        0mmmmmmm      m = Data Value
```

First appoints the parameter for NRPN MSB/LSB, then sets the parameter value for data entry MSB/LSB.

```
NRPN     D.ENTRY
MSB LSB  MSB LSB  PARAMETER NAME          DATA RANGE
01H 08H  mmH  —   VIBRATO RATE            00H - 40H - 7FH (-64 - 0 - +63)
01H 09H  mmH  —   VIBRATO DEPTH           00H - 40H - 7FH (-64 - 0 - +63)
01H 0AH  mmH  —   VIBRATO DELAY           00H - 40H - 7FH (-64 - 0 - +63)
01H 20H  mmH  —   FILTER CUTOFF FREQUENCY 00H - 40H - 7FH (-64 - 0 - +63)
01H 21H  mmH  —   FILTER RESONANCE        00H - 40H - 7FH (-64 - 0 - +63)
01H 30H  mmH  —   EQ BASS (CVP-109/107/700)  00H - 40H - 7FH (-64 - 0 - +63)
01H 31H  mmH  —   EQ TREBLE (CVP-109/107/700) 00H - 40H - 7FH (-64 - 0 - +63)
01H 34H  mmH  —   EQ BASS FREQ. (CVP-109/107/700) 00H - 40H - 7FH (-64 - 0 - +63)
01H 35H  mmH  —   EQ TREBLE FREQ. (CVP-109/107/700) 00H - 40H - 7FH (-64 - 0 - +63)
01H 63H  mmH  —   EG ATTACK TIME           00H - 40H - 7FH (-64 - 0 - +63)
01H 64H  mmH  —   EG DECAY TIME            00H - 40H - 7FH (-64 - 0 - +63)
01H 66H  mmH  —   EG RELEASE               00H - 40H - 7FH (-64 - 0 - +63)
14H rrH  mmH  —   DRUM FILTER CUTOFF FREQ. 00H - 40H - 7FH (-64 - 0 - +63)
15H rrH  mmH  —   DRUM FILTER RESONANCE    00H - 40H - 7FH (-64 - 0 - +63)
16H rrH  mmH  —   DRUM AEG ATTACK RATE     00H - 40H - 7FH (-64 - 0 - +63)
17H rrH  mmH  —   DRUM AEG DECAY RATE      00H - 40H - 7FH (-64 - 0 - +63)
18H rrH  mmH  —   DRUM PITCH COARSE        00H - 40H - 7FH (-64 - 0 - +63)
19H rrH  mmH  —   DRUM PITCH FINE          00H - 40H - 7FH (-64 - 0 - +63)
1AH rrH  mmH  —   DRUM LEVEL               00H - 7FH (0 - max.)
1CH rrH  mmH  —   DRUM PANPOT              00H  ,01H  - 40H  - 7FH
                                           (random,left - center - right)
1DH rrH  mmH  —   DRUM REVERB SEND LEVEL   00H - 7FH (0 - max.)
1EH rrH  mmH  —   DRUM CHORUS SEND LEVEL   00H - 7FH (0 - max.)
1FH rrH  mmH  —   DRUM VARIATION SEND LEVEL 00H - 7FH (0 - max.)
```

The MSB 14H-1FH (for drums) message is received when multi-part parameters PART MODE = DRUMS1...2.
rrH : drum instrument note number

(3-5) SYSTEM REALTIME MESSAGES

(3-5-1) MIDI CLOCK

```
STATUS    11111000 (F8H)
```

Transmission: 96 clocks per measure are transmitted.
Reception: If the instrument's clock is set to external, after FAH is received from the external device the instrument's clock will sync with the 96 beats per measure received from the external device.
Decides whether the internal clock, or Timing Clocks received via the MIDI IN will be used.

(3-5-2) START

```
STATUS    11111010 (FAH)
```

Transmission: Transmitted when instrument's Rhythm or Song playback is started.
Reception: Depending upon the condition, Rhythm, Song Playback, or Song Rec will start.

(3-5-3) STOP

```
STATUS    11111100 (FCH)
```

Transmission: Transmitted when instrument's Rhythm or Song playback is stopped.
Reception: Depending upon the condition, Rhythm, Song Playback, or Song Rec will stop.

(3-5-4) ACTIVE SENSING

```
STATUS    11111110 (FEH)
```

Transmission: Transmitted approximately once every 200msec.
Reception: Sensing is started once this Code is received. If Status or Data is not received within 400ms, the MIDI Receive Buffer will be cleared, and all notes, including those being sustained, will be cut OFF. Also, all control values will be reset to their factory defaults.

(3-6) SYSTEM EXCLUSIVE MESSAGE

(3-6-1) YAMAHA MIDI FORMAT

(3-6-1-1) SECTION CONTROL

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01111110	7E	Style
00000000	00	
0sssssss	SS	Switch No.
		00H : INTRO A
		01H : INTRO B
		02H : INTRO C/D
		03H~07H : INTRO C/D
		08H : MAIN A
		09H : MAIN B
		0AH : MAIN C
		0BH~0FH : MAIN D
		10H : FILL IN A
		11H : FILL IN B
		12H : FILL IN C
		13H~17H : FILL IN D
		18H : BREAK FILL
		19H : BREAK FILL
		1AH : BREAK FILL
		1BH~1FH : BREAK FILL
		20H : ENDING A
		21H : ENDING B
		22H : ENDING C/D
		23H~27H : ENDING C/D
0ddddddd	DD	Switch On/Off: 00H(Off),7FH(On)
11110111	F7	End of Exclusive

When an ON code is received, the appointed section will be changed.

(3-6-1-2) TEMPO CONTROL

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01111110	7E	Style
00000000	01	
0ttttttt	TT	Tempo4
0ttttttt	TT	Tempo3
0ttttttt	TT	Tempo2
0ttttttt	TT	Tempo1
11110111	F7	End of Exclusive

The internal clock will be set to the received Tempo value.
Tempo Meta Event is a large data block (24-bit), it is divided into 4 groups with 7-bits going into each of the Tempos 1-4 (4 receives the remaining 3 bits).

(3-6-1-3) CHORD CONTROL type1

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01111110	7E	Style
00000010	02	type 1
0ddddddd	dd	chord root(cr)
0ddddddd	dd	chord type(ct)
0ddddddd	dd	bass note(bn)
0ddddddd	dd	bass type(bt)
11111110	F7	End of Exclusive

Chord transmit: Transmitted using type 1 format.

cr Chord Root 0kkknnnn (kkk:Change symbol, nnnn:Note)

Binary	Hex	Change symbol	Binary	Hex	Note
0000nnnn	0n	bbb(3 flats)	0kkk0000	k0	reserved
0001nnnn	1n	bb (2 flats)	0kkk0001	k1	C
0010nnnn	2n	b (1 flat)	0kkk0010	k2	D
0011nnnn	3n	natural	0kkk0011	k3	E
0100nnnn	4n	# (1 sharp)	0kkk0100	k4	F
0101nnnn	5n	## (2 sharps)	0kkk0101	k5	G
0110nnnn	6n	###(3 sharps)	0kkk0110	k6	A
			0kkk0111	k7	B

ct Chord Type 0 - 34,127

Binary	Hex	Dec	Chord type	Binary	Hex	Dec	Chord type
00000000	00	0	Maj	00010010	12	18	dim7
00000001	01	1	Maj6	00010011	13	19	7th
00000010	02	2	Maj7	00010100	14	20	7sus4
00000011	03	3	Maj7(#11)	00010101	15	21	7b5
00000100	04	4	Maj(9)	00010110	16	22	7(9)
00000101	05	5	Maj7(9)	00010111	17	23	7(#11)
00000110	06	6	Maj6(9)	00011000	18	24	7(13)
00000111	07	7	aug	00011001	19	25	7(b9)
00001000	08	8	min	00011010	1A	26	7(b13)
00001001	09	9	min6	00011011	1B	27	7(#9)
00001010	0A	10	min7	00011100	1C	28	Maj7aug
00001011	0B	11	min7b5	00011101	1D	29	7aug
00001100	0C	12	min(9)	00011110	1E	30	1+8
00001101	0D	13	min7(9)	00011111	1F	31	1+5
00001110	0E	14	min7(11)	00100000	20	32	sus4
00001111	0F	15	minMaj7	00100001	21	33	1+2+5
00010000	10	16	minMaj7(9)	00100010	22	34	cc
00010001	11	17	dim				

bn	On Bass Note	Same as Chord root, 127:No bass chord
bt	Bass Chord	Same as Chord type 127:No bass chord

(3-6-2) UNIVERSAL SYSTEM EXCLUSIVE

(3-6-2-1) UNIVERSAL REALTIME MESSAGE

(3-6-2-1-1) MIDI MASTER VOLUME (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01111110	7F	Universal Realtime
01111111	7F	ID of target Device
00001001	04	Sub-ID #1=Device Control Message
00000001	01	Sub-ID #2=Master Volume
0sssssss	SS	Volume LSB
0ttttttt	TT	Volume MSB
11110111	F7	End of Exclusive
or		
11110000	F0	Exclusive status
01111110	7F	Universal Realtime
0xxxnnnn	XN	When N is received N=0-F, whichever is received. When N is transmitted N always=0. X = don't care
00001001	04	Sub-ID #1=Device Control Message
00000001	01	Sub-ID #2=Master Volume
0sssssss	SS	Volume LSB
0ttttttt	TT	Volume MSB
11110111	F7	End of Exclusive

The volume for all channels will be changed simultaneously.
The TT value is used as the MIDI Master Volume value. (the SS value is ignored.)

(3-6-2-2) UNIVERSAL NON REALTIME MESSAGE

(3-6-2-2-1) GENERAL MIDI SYSTEM ON

binary	hexadecimal	
11110000	F0	Exclusive status
01111110	7E	Universal Non-Realtime
01111111	7F	ID of target Device
00001001	09	Sub-ID #1=General MIDI Message
00000001	01	Sub-ID #2=General MIDI On
11110111	F7	End of Exclusive
or		
11110000	F0	Exclusive status
01111110	7E	Universal Non-Realtime
0xxxnnnn	XN	When N is received N=0-F, whichever is received. When N is transmitted N always=0. X = don't care
00001001	09	Sub-ID #1=General MIDI Message
00000001	01	Sub-ID #2=General MIDI On
11110111	F7	End of Exclusive

Depending upon the received ON message, the System Mode will be changed to XG.
Except MIDI Master Tuning, all control data be reset to default values.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

After the GM System ON message is received, message reception of the following will be limited.

- Bank Select MSB-LSB in channel 10 will be ignored and the drum voice will be fixed.
- Bank Select MSB-LSB except in channel 10 will be ignored except 127/0.
- NRPN is not received.

When XG SYSTEM ON is received, these restrictions will be cancelled.

(3-6-3) XG STANDARD

(3-6-3-1) XG PARAMETER CHANGE

(3-6-3-1-1) XG SYSTEM ON

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1N	Device Number
01001100	4C	Model ID
00000000	00	Address High
00000000	00	Address Mid
01111110	7E	Address Low
00000000	00	Data
11110111	F7	End of Exclusive

Depending upon the received ON message, the SYSTEM MODE will be changed to XG.Controllers will be reset, all values of Multi Part and Effect, and All System values denoted by "XG" data within All System will be reset to default values in the table.
This message requires approximately 50ms to execute, so sufficient time should be allowed before the next message is sent.

(3-6-3-1-2) XG PARMETER CHANGE

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1N	Device Number
01001100	4C	Model ID
0aaaaaaa	AA	Address High
0aaaaaaa	AA	Address Mid
0aaaaaaa	AA	Address Low
0ddddddd	DD	Data
|	|	
11110111	F7	End of Exclusive

For parameters with data size of 2 or 4, transmit the appropriate number of data bytes.
For more information on Address and Parameters, refer to < Table 1-2 > (page 23) and < Table 1-4 > ~ < Table 1-10 > (pages 23-29).

The following Parameter Changes are handled.

XG System Data
Multi Effect 1 Data
Multi EQ Data (CVP-109/107/700)
Multi Effect 2 Data (CVP-109/107/700)
Special Effect Data (CVP-109/107/700)
Multi Part Data
A/D Part Data (CVP-109/107/700)
Drums Setup Data

(3-6-3-2) XG BULK DUMP

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0000nnnn	0N	Device Number
01001100	4C	Model ID
0bbbbbbb	BB	ByteCount
0bbbbbbb	BB	ByteCount
0aaaaaaa	AA	Address High
0aaaaaaa	AA	Address Mid
0aaaaaaa	AA	Address Low
0ddddddd	DD	Data
|	|	
0ccccccc	CC	Check sum
11110111	F7	End of Exclusive

For more information on Address and Byte Count, refer to < Table 1-2 > ~ < Table 1-10 > (pages 23-29).
The Check Sum value is set such that the sum of Byte Count, Address, Data, and Check Sum has value zero in its seven least significant bits.
If the top of the block is appointed to the Address the XG Bulk Dump, Bulk Request will be received.
The Block is a unit that consists of the data, arranged in the list, as the Total Size.

The following Bulk Dumps are handled.

XG System Data
Multi Effect 1 Data(Individual effect unit)
Multi EQ Data (CVP-109/107/700)
Multi Effect 2 Data (CVP-109/107/700)
Special Effect Data (CVP-109/107/700)
Multi Part Data(Individual part unit)
A/D Part Data (CVP-109/107/700)
Drums Setup Data(Individual note unit)
System Information(Transmit only)

(3-6-3-3) XG PARAMETER REQUEST (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0011nnnn	3n	Device Number
01001100	4C	Model ID
0aaaaaaa	AA	Address High
0aaaaaaa	AA	Address Mid
0aaaaaaa	AA	Address Low
11110111	F7	End of Exclusive

For more information on Address and Byte Count refer to < Table 1-2 > (page 23) and < Table 1-4 > ~ < Table 1-10 > (pages 23-29).

The following Parameter Requests are handled.

XG System Data
Multi Effect 1 Data
Multi EQ Data (CVP-109/107/700)
Multi Effect 2 Data (CVP-109/107/700)
Special Effect Data (CVP-109/107/700)
Multi Part Data
A/D Part Data (CVP-109/107/700)
Drums Setup Data

(3-6-3-4) XG DUMP REQUEST (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0010nnnn	2n	Device Number
01001100	4C	Model ID
0aaaaaaa	AA	Address High
0aaaaaaa	AA	Address Mid
0aaaaaaa	AA	Address Low
11110111	F7	End of Exclusive

For more information on Address and Byte Count refer to < Table 1-2 > ~ < Table 1-10 > (pages 23-29).

The following Dump Requests are handled.

XG System Data
Multi Effect 1 Data(Individual module unit)
Multi EQ Data (CVP-109/107/700)
Multi Effect 2 Data (CVP-109/107/700)
Special Effect Data (CVP-109/107/700)
Multi Part Data(Individual part unit)
A/D Part Data (CVP-109/107/700)
Drums Setup Data(Individual note unit)
System Information

(3-6-4) CLAVINOVA MIDI COMPLIANCE

(3-6-4-1) INTERNAL CLOCK / EXTERNAL CLOCK (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
00000001	01	Clavinova common ID
0000001n	0N	N: 2(Internal Clock),3(External Clock)
11110111	F7	End of Exclusive

(3-6-4-2) BULK DUMP ORGAN FLUTE DATA (CVP-109/107/700)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA
01110011	73	CLAVINOVA ID
00000001	01	Model ID (Clavinova common ID)
00000110	06	Bulk ID
00001011	0B	Bulk No.(ORGAN FLUTE Bulk Dump DATA)
0000nnnn	0n	Data Length
0000nnnn	0n	Data Length
0000nnnn	0n	Data Length
0000nnnn	0n	Data Length (Data Length=nnnnH bytes)
0ddddddd	dd1	Bulk Data
:	:	
0ccccccc	cc	don't care
11110111	F7	End of Exclusive

```
 Data Length = 16Hbytes
[BULK DATA items dd1...dd22]
   1st   0nH      n: MIDI Channel No.          Discription
   2nd   Drawber  [1']           00 - 07H      0:    -∞ [dB]
   3rd            [1 1/3']       00 - 07H      1:   -12 [dB]
   4th            don't care     00H           2:    -9 [dB]
   5th            [2']           00 - 07H      3:    -6 [dB]
   6th            [2 2/3']       00 - 07H      4:  -4.5 [dB]
   7th            [4']           00 - 07H      5:    -3 [dB]
   8th            [5 1/3']       00 - 07H      6:  -1.5 [dB]
   9th            [8']           00 - 07H      7:     0 [dB]
   10th           [16']          00 - 07H
   11th           [Attack 2']    00 - 07H
   12th           [Attack 2 2/3'] 00 - 07H
   13th           [Attack 4']    00 - 07H
   14th  Settings [Attack Length] 00 - 07H
   15th           [Response]     00 - 07H
   16th           [Attack Mode]  00 - 01H 00H:Each, 01H:First
   17th           don't care     00H
   18th           don't care     00H
   19th           don't care     00H
   20th           don't care     00H
   21th           don't care     00H
   22th           don't care     00H
```

(3-6-4-3) DOC MULTI TIMBRE ON / OFF (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
00000001    01          Clavinova commmon ID
00000110    1N          N:3(DOC Multi Timbre Off),4(DOC Multi Timbre On)
11110111    F7          End of Exclusive
```

(3-6-4-4) PANEL LED ON / OFF (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
00000001    01          Clavinova commmon ID
00011010    1A          PANEL LED On/Off
0mmmmmmm    MM          MM:00H(LED Off),01H(LED On),02H(The LED flashes)
                        03H (LED All off),
                        04H (Panel LED returns to normal operation)
00000000    00
0nnnnnnn    NN          LED No.
11110111    F7          End of Exclusive

Remotely switches the Panel LED On/Off.
```

(3-6-4-5) PANEL VOICE SETTING (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00100010    22          Piano Live Exclusive Substatus
00000000    00          Panel Voice Setting Substatus
0000nnnn    0n          Panel Part No.
                         00H (RIGHT 1)
                         01H (RIGHT 2)
                         02H (LEFT)
0mmmmmmm    mm          Bank Select MSB
0lllllll    ll          Bank Select LSB
0ppppppp    pp          Program Change
11110111    F7          End of Exclusive
```

(3-6-4-6) PANEL VOICE VOLUME SETTING (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00100010    22          Piano Live Exclusive Substatus
00000001    01          Panel Voice Volume Setting Substatus
0000nnnn    0n          Panel Part No.
                         00H (RIGHT 1)
                         01H (RIGHT 2)
                         02H (LEFT)
0vvvvvvv    vv          Value (0 - 7FH)
11110111    F7          End of Exclusive
```

(3-6-4-7) PANEL VOICE REVERB DEPTH SETTING (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00100010    22          Piano Live Exclusive Substatus
00000010    02          Panel Voice Reverb Depth Setting Substatus
0000nnnn    0n          Panel Part No.
                         00H (RIGHT 1)
                         01H (RIGHT 2)
                         02H (LEFT)
0vvvvvvv    vv          Value (0 - 7FH)
11110111    F7          End of Exclusive
```

(3-6-4-8) PANEL VOICE EFFECT DEPTH SETTING (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00100010    22          Piano Live Exclusive Substatus
00000011    03          Panel Voice Effect Depth Setting Substatus
0000nnnn    0n          Panel Part No.
                         00H (RIGHT 1)
                         01H (RIGHT 2)
                         02H (LEFT)
0vvvvvvv    vv          Value (0 - 7FH)
11110111    F7          End of Exclusive
```

(3-6-4-9) MIDI FA CANCEL (Receive only)

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
01100001    61          MIDI FA Cancel
11110111    F7          End of Exclusive
```

If this message is received, even if FAH is received the Rhythm will not start.

(3-6-5) SPECIAL OPERATORS

(3-6-5-1) SPLIT POINT

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00010001    11          Sub ID
00000000    00
00010100    14          Split Point
0ddddddd    DD          Split Key No.
11110111    F7          End of Exclusive
```

(3-6-5-2) STYLE NUMBER

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01011010    5E          CVP-103/105/107/109/700 ID
00010001    11          Sub ID
00000000    00          Channel No. (always 00)
00010110    16          Style No. Control No.
0mmmmmmm    mm          Style No. MSB
0lllllll    ll          Style No. LSB
11110111    F7          End of Exclusive
```

(3-6-5-3) FINGERING

```
binary      hexadecimal
11110000    F0          Exclusive status
01000011    43          YAMAHA ID
01110011    73          Clavinova ID
01000101    01          Clavinova common ID
00010001    11          Sub ID
00000000    00
01000000    40          Fingering
0000dddd    0D          0D: 00H(Off),01H(Single Finger),
                        02H(Fingered 1),03H(Fingered 2),
                        04H(Full Keyboard),07H(Multi Finger)
11110111    F7          End of Exclusive
```

(3-6-5-4) ACCOMP VOLUME

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
0000nnnn	0N	Part: 00H(All Part),05H(Rhythm),0AH(Bass), 06H(Chord),0DH(Pad),07H(Phrase)
01000000	42	Accomp Volume
0ddddddd	DD	Volume Data: 00H~7FH
11110111	F7	End of Exclusive

(3-6-5-5) CHANNEL DETUNE

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
0000nnnn	0N	N = MIDI Channel
01000011	43	Dual Detune
0vvvvvvv	VV	Value VV: 00H - 40H - 7FH (-64 - 0 - +63)
11110111	F7	End of Exclusive

The Channel Detune message only affects the specified channel.

(3-6-5-6) VOLUME ,EXPRESSION AND PAN REALTIME CONTROL OFF

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
0000nnnn	0N	N = MIDI Channel
01001001	45	Volume and Expression Realtime Control Off
0vvvvvvv	VV	Value VV: off=7FH, on=00H
11110111	F7	End of Exclusive

When “On” is received, subsequent volume, expression, and PAN changes are only valid after the reception of the next key on. Normal operation resumes when “Off” is received.

(3-6-5-7) MIDI KEY LED MODE ON / OFF (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
0000nnnn	0N	N = MIDI Channel
01000111	47	MIDI Key LED Mode On / Off
0ddddddd	DD	DD: 00H(Key LED Mode Off), 01H(Key LED Mode On + no tone), 02H(Key LED Mode On + tone)
11110111	F7	End of Exclusive

(3-6-5-8) NATURAL REVERB TYPE (CVP-109)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01011001	5D	CVP-109 ID
00010001	11	Sub ID
00000000	00	Channel No. (always 00)
01010010	52	Natural Reverb Control No.
00000000	00	Natural Reverb Type Parameter No.
0mmmmmmm	mm	Natural Reverb Type MSB
0lllllll	ll	Natural Reverb Type LSB
11110111	F7	End of Exclusive

(3-6-5-9) NATURAL REVERB TRACK ON/OFF (CVP-109)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01011001	5D	CVP-109 ID
00010001	11	Sub ID
0000nnnn	0n	Channel No. (00H - 0FH) 00H - 0FH (MIDI Channel 1 - 16)
01010011	53	Natural Reverb Track On/Off Control No.
0ddddddd	dd	Natural Reverb Track On/Off dd Natural Rev. XG Rev. 0 Off On (default) 1 Off Off 2 On On 3 On Off
11110111	F7	End of Exclusive

(3-6-5-10) VOCAL HARMONY PITCH TO NOTE (CVP-109/107/700) (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
00000000	00	Channel No. (always 00)
01010000	50	Vocal Harmony Additional Parameter Control No.
00000000	00	Pitch to Note Parameter No.
0sssssss	ss	Pitch to Note Switch 00H (Off) 01H (On)
11110111	F7	End of Exclusive

(3-6-5-11) VOCAL HARMONY PITCH TO NOTE PART (CVP-109/107/700) (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
00000000	00	Channel No. (always 00)
01010000	50	Vocal Harmony Additional Parameter Control No.
00000001	01	Pitch to Note Part Parameter No.
0sssssss	ss	Pitch to Note Part No. 00H (RIGHT 1) 01H (RIGHT 2) 02H (LEFT)
11110111	F7	End of Exclusive

(3-6-5-12) VOCAL HARMONY VOCODER PART (CVP-109/107/700) (Harmony Part [Panel]) (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
01110011	73	Clavinova ID
01000101	01	Clavinova common ID
00010001	11	Sub ID
00000000	00	Channel No. (always 00)
01010000	50	Vocal Harmony Additional Parameter Control No.
00010000	10	Vocoder Part Parameter No.
0sssssss	ss	Harmony Part No. 00H (Off) 01H (RIGHT 1) 02H (LEFT)
11110111	F7	End of Exclusive

(3-6-6) Others

(3-6-6-1) MIDI MASTER TUNING (Receive only)

binary	hexadecimal	
11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1N	When N is received N=0-F, whichever is received.
00100111	27	Model ID
00110000	30	Sub ID
00000000	00	
00000000	00	
0mmmmmmm	MM	Master Tune MSB
0lllllll	LL	Master Tune LSB
0ccccccc	CC	don’t care
11110111	F7	End of Exclusive

Changes tuning of all channels.
MM, LL values are used to define the MIDI Master Tuning value.

T = M – 128

T: Tuning value (-99 cents to +99 cents)
M: A single byte value (28–228) that consists of bits 0–3 of MM as MSB, bits 0–3 of LL as LSB.

This setting is not reset when the GM System or XG System is turned on.

< Table 1-1>

Parameter Basic Address

	Parameter Change Address (H)(M)(L)	Description
SYSTEM	00 00 00	System
	00 00 7D	Drum Setup Reset
	00 00 7E	XG System On
	00 00 7F	All Parameter Reset
INFORMATION	01 00 00	System Information
EFFECT 1	02 01 00	Effect1(Reverb,Chorus,Variation)
MULTI EQ (CVP-109/107/700)	02 40 00	Multi EQ
EFFECT 2 (CVP-109/107/700)	03 00 00	Effect2 (Insertion Effect1)
	: : :	
	03 02 00	(Insertion Effect3)
SPECIAL EFFECT (CVP-109/107/700)	04 00 00	Special Insertion Effect1
MULTI PART	08 00 00	Multi Part 1
	:	
	08 0F 00	Multi Part 16
A/D (CVP-109/107/700)	10 00 00	A/D Part 1
DRUM	30 0D 00	Drum Setup 1 ——→ Address / Parameter
	31 0D 00	Drum Setup 2
		3n 0D 00 note number 13
		3n 0E 00 note number 14
		: :
		3n 5B 00 note number 91

< Table 1-2 >

MIDI Parameter Change table (SYSTEM)

Address (H)	Size (H)	Data (H)	Parameter Name	Description	Default Value(H)
00 00 00	4	0000	Master Tune	-102.4..+102.3[cent]	00 04 00 00
01		..07FF		1st bit3-0 -> bit15-12	(0400)
02				2nd bit3-0 -> bit11-8	
03				3rd bit3-0 -> bit7-4	
				4th bit3-0 -> bit3-0	
04	1	00..7F	Master Volume	0..127	7F
05	1		Not Used		
06	1	28..58	Transpose	-24..+24[semitones]	40
7D		n	Drum Setup Reset	n=Drum Setup Number	
7E		00	XG System On	00=XG Sytem on	
7F		00	All Parameter Reset	00=on (receive only)	
TOTAL SIZE	6				

< Table 1-3 >

MIDI Parameter table (System information)

Address (H)	Size (H)	Data (H)	Parameter Name	Description
01 00 00	E	20..7F	Model Name	32..127(ASCII)
:				
0D				
0E	1	00		
0F	1	01		
TOTAL SIZE	10			

(Transmitted by Dump Request. Not received. Bulk Dump Only)

< Table 1-4 >

MIDI Parameter Change table (EFFECT 1)

Address (H)	Size (H)	Data (H)	Parameter Name	Description	Default Value(H)
02 01 00	2	00..7F	Reverb Type MSB	Refer to the Effect Type List	01(=HALL1)
		00..7F	Reverb Type LSB	00 : basic type	00
02	1	00..7F	Reverb Parameter 1	Refer to the Ef. Parameter List	Depend on Reverb type
03	1	00..7F	Reverb Parameter 2	Refer to the Ef. Parameter List	Depend on Reverb type
04	1	00..7F	Reverb Parameter 3	Refer to the Ef. Parameter List	Depend on Reverb type
05	1	00..7F	Reverb Parameter 4	Refer to the Ef. Parameter List	Depend on Reverb type

	06	1	00..7F	Reverb Parameter 5	Refer to the Ef. Parameter List	Depend on Reverb type
	07	1	00..7F	Reverb Parameter 6	Refer to the Ef. Parameter List	Depend on Reverb type
	08	1	00..7F	Reverb Parameter 7	Refer to the Ef. Parameter List	Depend on Reverb type
	09	1	00..7F	Reverb Parameter 8	Refer to the Ef. Parameter List	Depend on Reverb type
	0A	1	00..7F	Reverb Parameter 9	Refer to the Ef. Parameter List	Depend on Reverb type
	0B	1	00..7F	Reverb Parameter 10	Refer to the Ef. Parameter List	Depend on Reverb type
	0C	1	00..7F	Reverb Return	-∞..0..+6dB(0..96..127)	40
	0D	1	01..7F	Reverb Pan	L63..C..R63(1..64..127)	40
TOTAL SIZE 0E						
02 01	10	1	00..7F	Reverb Parameter 11	Refer to the Ef. Parameter List	Depend on Reverb type
	11	1	00..7F	Reverb Parameter 12	Refer to the Ef. Parameter List	Depend on Reverb type
	12	1	00..7F	Reverb Parameter 13	Refer to the Ef. Parameter List	Depend on Reverb type
	13	1	00..7F	Reverb Parameter 14	Refer to the Ef. Parameter List	Depend on Reverb type
	14	1	00..7F	Reverb Parameter 15	Refer to the Ef. Parameter List	Depend on Reverb type
	15	1	00..7F	Reverb Parameter 16	Refer to the Ef. Parameter List	Depend on Reverb type
TOTAL SIZE 6						
02 01	20	2	00..7F	Chorus Type MSB	Refer to the Effect Type List	41(=Chorus1)
			00..7F	Chorus Type LSB	00 : basic type	00
	22	1	00..7F	Chorus Parameter 1	Refer to the Ef. Parameter List	Depend on Chorus Type
	23	1	00..7F	Chorus Parameter 2	Refer to the Ef. Parameter List	Depend on Chorus Type
	24	1	00..7F	Chorus Parameter 3	Refer to the Ef. Parameter List	Depend on Chorus Type
	25	1	00..7F	Chorus Parameter 4	Refer to the Ef. Parameter List	Depend on Chorus Type
	26	1	00..7F	Chorus Parameter 5	Refer to the Ef. Parameter List	Depend on Chorus Type
	27	1	00..7F	Chorus Parameter 6	Refer to the Ef. Parameter List	Depend on Chorus Type
	28	1	00..7F	Chorus Parameter 7	Refer to the Ef. Parameter List	Depend on Chorus Type
	29	1	00..7F	Chorus Parameter 8	Refer to the Ef. Parameter List	Depend on Chorus Type
	2A	1	00..7F	Chorus Parameter 9	Refer to the Ef. Parameter List	Depend on Chorus Type
	2B	1	00..7F	Chorus Parameter 10	Refer to the Ef. Parameter List	Depend on Chorus Type
	2C	1	00..7F	Chorus Return	-∞..0..+6dB(0..96..127)	40
	2D	1	01..7F	Chorus Pan	L63..C..R63(1..64..127)	40
	2E	1	00..7F	Send Chorus To Reverb	-∞..0..+6dB(0..96..127)	00
TOTAL SIZE 0F						
02 01	30	1	00..7F	Chorus Parameter 11	Refer to the Ef. Parameter List	Depend on Chorus Type
	31	1	00..7F	Chorus Parameter 12	Refer to the Ef. Parameter List	Depend on Chorus Type
	32	1	00..7F	Chorus Parameter 13	Refer to the Ef. Parameter List	Depend on Chorus Type
	33	1	00..7F	Chorus Parameter 14	Refer to the Ef. Parameter List	Depend on Chorus Type
	34	1	00..7F	Chorus Parameter 15	Refer to the Ef. Parameter List	Depend on Chorus Type
	35	1	00..7F	Chorus Parameter 16	Refer to the Ef. Parameter List	Depend on Chorus Type
TOTAL SIZE 6						
02 01	40	2	00..7F	Variation Type MSB	Refer to the Effect Type List	“05(=DELAY L,C,R)”
			00..7F	Variation Type LSB	00 : basic type	00
	42	2	00..7F	Vari. Param. 1 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 1 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	44	2	00..7F	Vari. Param. 2 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 2 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	46	2	00..7F	Vari. Param. 3 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 3 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	48	2	00..7F	Vari. Param. 4 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 4 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	4A	2	00..7F	Vari. Param. 5 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 5 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	4C	2	00..7F	Vari. Param. 6 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 6 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	4E	2	00..7F	Vari. Param. 7 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 7 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	50	2	00..7F	Vari. Param. 8 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 8 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	52	2	00..7F	Vari. Param. 9 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 9 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	54	2	00..7F	Vari. Param. 10 MSB	Refer to the Ef. Parameter List	Depend on Vari. Type
			00..7F	Vari. Param. 10 LSB	Refer to the Ef. Parameter List	Depend on Vari. Type
	56	1	00..7F	Variation Return	-∞..0..+6dB(0..96..127)	40
	57	1	01..7F	Variation Pan	L63..C..R63(1..64..127)	40
	58	1	00..7F	Send Vari. To Reverb	-∞..0..+6dB(0..96..127)	00
	59	1	00..7F	Send Vari. To Chorus	-∞..0..+6dB(0..96..127)	00
	5A	1	00..01	Variation Connection	0:insertion,1:system	00
	5B	1	00..1F	Variation Part	part1..32(0..31),off(127)	7F
	5C	1	01..7F	MW Vari. Ctrl Depth	-63..+63	40
	5D	1	01..7F	PB Vari. Ctrl Depth	-63..+63	40
	5E	1	01..7F	CAT Vari. Ctrl Depth	-63..+63	40
	5F	1	01..7F	Not Used		
	60	1	01..7F	Not Used		
TOTAL SIZE 21						

02	01	70	1	00..7F	Variation Parameter 11	option Parameter	Depend on Variation Type
		71	1	00..7F	Variation Parameter 12	option Parameter	Depend on Variation Type
		72	1	00..7F	Variation Parameter 13	option Parameter	Depend on Variation Type
		73	1	00..7F	Variation Parameter 14	option Parameter	Depend on Variation Type
		74	1	00..7F	Variation Parameter 15	option Parameter	Depend on Variation Type
		75	1	00..7F	Variation Parameter 16	option Parameter	Depend on Variation Type
TOTAL SIZE		6					

< Table 1-5 >

MIDI Parameter Change table (MULTI EQ) (CVP-109/107/700)

Address (H)		Size (H)	Data (H)	Parameter Name	Description	Default Value(H)
02	40	00	1	34..4C	EQ Type	0:FLAT	0
					1:JAZZ		
					2:POPS		
					3:ROCK		
					4:CLASSIC		
		01	1	34..4C	EQ Gain1	-12..+12[dB]	40
		02	1	04..28	EQ Frequency1	32..2000[Hz]	0C
		03	1	01..78	EQ Q1	0.1..12.0	07
		04	1	00..01	EQ Shape1	00:Shelving,01:Peaking	00
		05	1	34..4C	EQ Gain2	-12..+12[dB]	40
		06	1	0E..36	EQ Frequency2	0.1..10[KHz]	1C
		07	1	01..78	EQ Q2	0.1..12.0	07
		08	1		Not Used		
		09	1	34..4C	EQ Gain3	-12..+12[dB]	40
		0A	1	0E..36	EQ Frequency3	0.1..10[KHz]	22
		0B	1	01..78	EQ Q3	0.1..12.0	07
		0C	1		Not Used		
		0D	1	34..4C	EQ Gain4	-12..+12[dB]	40
		0E	1	0E..36	EQ Frequency4	0.1..10[KHz]	2E
		0F	1	01..78	EQ Q4	0.1..12.0	07
		10	1		Not Used		
		11	1	34..4C	EQ Gain5	-12..+12[dB]	40
		12	1	1C..3A	EQ Frequency5	0.5..16.0[KHz]	34
		13	1	01..78	EQ Q5	0.1..12.0	07
		14	1	00..01	EQ Shape5	00:Shelving,01:Peaking	00
TOTAL SIZE			15				

< Table 1-6 >

MIDI Parameter Change table (EFFECT 2) (CVP-109/107/700)

Address (H)		Size (H)	Data (H)	Parameter Name	Description	Default
03	0n	00	2	00..7F	Insertion Type MSB	Refer to the Ef. Type List
				00..7F	Insertion Type LSB	00 : basic type
		02	1	00..7F	Insertion Parameter1	Refer to the Ef. Parameter List
		03	1	00..7F	Insertion Parameter2	Refer to the Ef. Parameter List
		04	1	00..7F	Insertion Parameter3	Refer to the Ef. Parameter List
		05	1	00..7F	Insertion Parameter4	Refer to the Ef. Parameter List
		06	1	00..7F	Insertion Parameter5	Refer to the Ef. Parameter List
		07	1	00..7F	Insertion Parameter6	Refer to the Ef. Parameter List
		08	1	00..7F	Insertion Parameter7	Refer to the Ef. Parameter List
		09	1	00..7F	Insertion Parameter8	Refer to the Ef. Parameter List
		0A	1	00..7F	Insertion Parameter9	Refer to the Ef. Parameter List
		0B	1	00..7F	Insertion Parameter10	Refer to the Ef. Parameter List
		0C	1	00..7F	Insertion Part	Part1..16,OFF
		0D	1	00..7F	MW INS CTRL DPT	
		0E	1	00..7F	BEND INS CTRL DPT	
		0F	1	00..7F	CAT INS CTRL DPT	
		10	1	00..7F	Not Used	
		11	1	00..7F	Not Used	
TOTAL SIZE			12			
03	0n	20	1	00..7F	Insertion Parameter11	Refer to the Ef. Parameter List
		21	1	00..7F	Insertion Parameter12	Refer to the Ef. Parameter List
		22	1	00..7F	Insertion Parameter13	Refer to the Ef. Parameter List
		23	1	00..7F	Insertion Parameter14	Refer to the Ef. Parameter List
		24	1	00..7F	Insertion Parameter15	Refer to the Ef. Parameter List
		25	1	00..7F	Insertion Parameter16	Refer to the Ef. Parameter List
TOTAL SIZE			06			

03	0n	30	2	00..7F	Ins. Param.1 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.1 LSB	Refer to the Ef. Parameter List
03	0n	32	2	00..7F	Ins. Param.2 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.2 LSB	Refer to the Ef. Parameter List
03	0n	34	2	00..7F	Ins. Param.3 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.3 LSB	Refer to the Ef. Parameter List
03	0n	36	2	00..7F	Ins. Param.4 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.4 LSB	Refer to the Ef. Parameter List
03	0n	38	2	00..7F	Ins. Param.5 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.5 LSB	Refer to the Ef. Parameter List
03	0n	3A	2	00..7F	Ins. Param.6 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.6 LSB	Refer to the Ef. Parameter List
03	0n	3C	2	00..7F	Ins. Param.7 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.7 LSB	Refer to the Ef. Parameter List
03	0n	3E	2	00..7F	Ins. Param.8 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.8 LSB	Refer to the Ef. Parameter List
03	0n	40	2	00..7F	Ins. Param.9 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.9 LSB	Refer to the Ef. Parameter List
03	0n	42	2	00..7F	Ins. Param.10 MSB	Refer to the Ef. Parameter List
				00..7F	Ins. Param.10 LSB	Refer to the Ef. Parameter List
TOTAL SIZE 14						

For effect types that do not require MSB, the Parameters for Address 02-0B will be received. Address 30-42 will not be received.
For effect types that require MSB, the Parameters for Address 30-42 will be received. Address 02-0B will not be received.
When Bulk Dumps that include Effect Type data are transmitted, the Parameters for Address 02 - 0B will always be transmitted. But, effects that require MSB, when the bulk dump is received the Parameters for Address 02 - 0B will not be received.

n = Insertion Effect No. (0 - 2)

The INSERTION EFFECT Parameter cannot be reset to its factory settings with XG SYSTEM ON or XG ALL PARAMETER RESET, there is no default value.
When a Parameter Request or Bulk Request message is received, the currently set value is always transmitted.

< Table 1-7 >

MIDI PARAMETER CHANGE TABLE (SPECIAL EFFECT) (CVP-109/107/700)

Address (H)			Size (H)	Data (H)	Parameter	Description	Default
04	00	00	2	00 - 7F	Insertion Effect Type MSB	Refer to the XG Effect Map	
				00 - 7F	Insertion Effect Type LSB	00 : basic type	
		02	1	00 - 7F	Insertion Effect Parameter1	Refer to the XG Ef. Parameter List	
		03	1	00 - 7F	Insertion Effect Parameter2	Refer to the XG Ef. Parameter List	
		04	1	00 - 7F	Insertion Effect Parameter3	Refer to the XG Ef. Parameter List	
		05	1	00 - 7F	Insertion Effect Parameter4	Refer to the XG Ef. Parameter List	
		06	1	00 - 7F	Insertion Effect Parameter5	Refer to the XG Ef. Parameter List	
		07	1	00 - 7F	Insertion Effect Parameter6	Refer to the XG Ef. Parameter List	
		08	1	00 - 7F	Insertion Effect Parameter7	Refer to the XG Ef. Parameter List	
		09	1	00 - 7F	Insertion Effect Parameter8	Refer to the XG Ef. Parameter List	
		0A	1	00 - 7F	Insertion Effect Parameter9	Refer to the XG Ef. Parameter List	
		0B	1	00 - 7F	Insertion Effect Parameter10	Refer to the XG Ef. Parameter List	
		0C	1	00 - 7F	Insertion Effect Part	Part1...16(0...15) AD1(64) OFF(16...63, 65...127)	
		0D	1	00 - 7F	MW Insertion Control Depth	Don't care	
		0E	1	00 - 7F	BEND Insertion Control Depth	Don't care	
		0F	1	00 - 7F	CAT Insertion Control Depth	Don't care	
		10	1	00 - 7F	AC1 Insertion Control Depth	Don't care	
		11	1	00 - 7F	AC2 Insertion Control Depth	Don't care	
TOTAL SIZE 12							
04	00	14	1	00 - 7F	Unique Insertion Effect External Control CH1(Harmony Channel)	1...16(0...15), off(127)	
		15	1	00 - 7F	Unique Insertion Effect External Control CH2 (MELODY CHANNEL)	1...16(0...15), off(127)	
TOTAL SIZE 2							
04	00	20	1	00 - 7F	Insertion Effect Parameter11	Refer to the XG Ef. Parameter List	
		21	1	00 - 7F	Insertion Effect Parameter12	Refer to the XG Ef. Parameter List	
		22	1	00 - 7F	Insertion Effect Parameter13	Refer to the XG Ef. Parameter List	
		23	1	00 - 7F	Insertion Effect Parameter14	Refer to the XG Ef. Parameter List	
		24	1	00 - 7F	Insertion Effect Parameter15	Refer to the XG Ef. Parameter List	
		25	1	00 - 7F	Insertion Effect Parameter16	Refer to the XG Ef. Parameter List	
TOTAL SIZE 6							

Insertion Effect Type MSB: Assigns the Harmony Mode.
If the value is not a Harmony Mode value, the Harmony function will be OFF and the input signal will be transmitted as is.
Insertion Effect Type LSB: Assigns the Harmony Kit.
If the value is not an existing harmony kit value, don't care.
Harmony Channel: Harmony control channel.
Melody Channel: Melody play channel.
When both are received, the last message received will take priority.
For example, when the Melody Channel is 3 and the Harmony Channel 3 message is received, the Melody Channel will be OFF and the Harmony Channel will be 3.

Note) The SPECIAL EFFECT Parameter cannot be reset to its factory settings with XG SYSTEM ON or XG ALL PARAMETER RESET, there is no default value.
When a request message is received, the currently set value is always transmitted.

< Table 1-8 >

MIDI Parameter Change table (MULTI PART)

Address (H)			Size (H)	Data (H)	Parameter Name	Description	Default Value(H)
08	nn	00	1	00..20	Element Reserve	0..32	0(Part10),2(Others)
	nn	01	1	00..7F	Bank Select MSB	0..127	7F(Part10),00(Others)
	nn	02	1	00..7F	Bank Select LSB	0..127	00
	nn	03	1	00..7F	Program Number	1..128	00
	nn	04	1	00..0F, 7F	Rcv Channel	0..16;1..16,127;off	Part No.
	nn	05	1	00..01	Mono/Poly Mode	0:mono,1:poly	01
	nn	06	1	00..02	Same Note Number Key On Assign	0:single 1:multi 2:inst (for DRUM)	01
	nn	07	1	00..02	Part Mode	0:normal 1..3:drum thru,drum1..2	00 (Except Part10) 02 (Part10)
	nn	08	1	28..58	Note Shift	-24..+24[semitones]	40
	nn	09	2	00..FF	Detune	-12.8..+12.7[Hz]	08 00
	nn	0A				1st bit3..0 -> bit7..4 2nd bit3..0 -> bit3..0	(80)
	nn	0B	1	00..7F	Volume	0..127	64
	nn	0C	1	00..7F	Velocity Sense Depth	0..127	40
	nn	0D	1	00..7F	Velocity Sense Offset	0..127	40
	nn	0E	1	00..7F	Pan	0:random L63..C..R63(1..64..127)	40
	nn	0F	1	00..7F	Note Limit Low	C-2..G8	00
	nn	10	1	00..7F	Note Limit High	C-2..G8	7F
	nn	11	1	00..7F	Dry Level	0..127	7F
	nn	12	1	00..7F	Chorus Send	0..127	00
	nn	13	1	00..7F	Reverb Send	0..127	28
	nn	14	1	00..7F	Variation Send	0..127	00
	nn	15	1	00..7F	Vibrato Rate	-64..+63	40
	nn	16	1	00..7F	Vibrato Depth	-64..+63	40
	nn	17	1	00..7F	Vibrato Delay	-64..+63	40
	nn	18	1	00..7F	Filter Cutoff Freq.	-64..+63	40
	nn	19	1	00..7F	Filter Resonance	-64..+63	40
	nn	1A	1	00..7F	EG Attack Time	-64..+63	40
	nn	1B	1	00..7F	EG Decay Time	-64..+63	40
	nn	1C	1	00..7F	EG Release Time	-64..+63	40
	nn	1D	1	28..58	MW Pitch Control	-24..+24[semitones]	40
	nn	1E	1	00..7F	MW Filter Control	-9600..+9450[cent]	40
	nn	1F	1	00..7F	MW Amp. Control	-100..+100[%]	40
	nn	20	1	00..7F	MW LFO PMod Depth	0..127	0A
	nn	21	1	00..7F	MW LFO FMod Depth	0..127	00
	nn	22	1	00..7F	MW LFO AMod Depth	0..127	00
	nn	23	1	28..58	Bend Pitch Control	-24..+24[semitones]	42
	nn	24	1	00..7F	Bend Filter Control	-9600..+9450[cent]	40
	nn	25	1	00..7F	Bend Amp. Control	-100..+100[%]	40
	nn	26	1	00..7F	Bend LFO PMod Depth	0..127	00
	nn	27	1	00..7F	Bend LFO FMod Depth	0..127	00
	nn	28	1	00..7F	Bend LFO AMod Depth	0..127	00
TOTAL SIZE			29				
	nn	30	1		Not Used		
		:	:		:		
	nn	34	1		Not Used		
	nn	35	1	00..01	Rcv Note Message (CVP-109/107/700)	OFF, ON	01
	nn	36	1		Not Used		
		:	:		:		
	nn	40	1		Not Used		
	nn	41	1	00..7F	Scale Tuning C	-64..+63[cent]	40
	nn	42	1	00..7F	Scale Tuning C#	-64..+63[cent]	40
	nn	43	1	00..7F	Scale Tuning D	-64..+63[cent]	40
	nn	44	1	00..7F	Scale Tuning D#	-64..+63[cent]	40
	nn	45	1	00..7F	Scale Tuning E	-64..+63[cent]	40
	nn	46	1	00..7F	Scale Tuning F	-64..+63[cent]	40
	nn	47	1	00..7F	Scale Tuning F#	-64..+63[cent]	40
	nn	48	1	00..7F	Scale Tuning G	-64..+63[cent]	40
	nn	49	1	00..7F	Scale Tuning G#	-64..+63[cent]	40
	nn	4A	1	00..7F	Scale Tuning A	-64..+63[cent]	40
	nn	4B	1	00..7F	Scale Tuning A#	-64..+63[cent]	40
	nn	4C	1	00..7F	Scale Tuning B	-64..+63[cent]	40

	nn	4D	1	28..58	CAT Pitch Control	-24..+24[semitones]	40
	nn	4E	1	00..7F	CAT Filter Control	-9600..+9450[cent]	40
	nn	4F	1	00..7F	CAT Amplitude Control	-100..+100[%]	40
	nn	50	1	00..7F	CAT LFO PMod Depth	0..127	00
	nn	51	1	00..7F	CAT LFO FMod Depth	0..127	00
	nn	52	1	00..7F	CAT LFO AMod Depth	0..127	00
	nn	53			Not Used		
		:			:		
		66			Not Used		
	nn	67	1	00..01	Portamento Switch	off/on	00
	nn	68	1	00..7F	Portamento Time	0..127	00
	nn	69			Not Used		
		:			:		
		6E			Not Used		
TOTAL SIZE		3F					
08	nn	70	1		Not Used	Don't care	
	nn	71	1		Not Used	Don't care	
	nn	72	1	00 - 7F	EQ Bass (CVP-109/107/700)	-64 - +63(-12 - +12[dB])	40
	nn	73	1	00 - 7F	EQ Treble (CVP-109/107/700)	-64 - +63(-12 - +12[dB])	40
TOTAL SIZE		04					
08	nn	74	1		Not Used	Don't care	
		75	1		Not Used	Don't care	
		76	1	04 - 28	EQ Bass frequency (CVP-109/107/700)	32-2.0k[Hz]	0C
		77	1	1C - 3A	EQ Treble frequency (CVP-109/107/700)	500-16.0k[Hz]	36
		78	1		Not Used	Don't care	
		79	1		Not Used	Don't care	
		7A	1		Not Used	Don't care	
		7B	1		Not Used	Don't care	
		7C	1		Not Used	Don't care	
		7D	1		Not Used	Don't care	
		7E	1		Not Used	Don't care	
		7F	1		Not Used	Don't care	
TOTAL SIZE		0C					

nn = PartNumber

If there is a Drum Voice assigned to the Part, the following parameters are ineffective.

- Bank Select LSB
- Pitch EG
- Portamento
- Soft Pedal
- Mono/Poly
- Scale Tuning

<Table 1-9 >

MIDI Parameter Change Table (A/D Part) (CVP-109/107/700)

Address (H)		Size (H)	Data (H)	Parameter	Description	Default value(H)
10	nn	0	00 - 01	Input Gain	Don't care	
		1	00 - 7F	Bank Select MSB	Don't care	
		2	00 - 7F	Bank Select LSB	Don't care	
		3	00 - 7F	Program Nummber	Don't care	
		4	00 - 1F, 7F	Rcv Channel	A1 - A16, OFF	
		5		Not Used		
		6		Not Used		
		7		Not Used		
		8		Not Used		
		9		Not Used		
		0A		Not Used		
		0B	00 - 7F	Volume	0 - 127	
		0C		Not Used		
		0D		Not Used		
		0E	01 - 7F	Pan	L63...C...R63(1...64...127)	
		0F		Not Used		
		10		Not Used		
		11	00 - 7F	Dry Level	0 - 127	
		12	00 - 7F	Chorus Send	0 - 127	
		13	00 - 7F	Reverb Send	0 - 127	
		14	00 - 7F	Variation Send	0 - 127	
TOTAL SIZE		15				

nn:A/D Part number (fixed 00)

Note) The A/D PART Parameter cannot be reset to its factory settings with XG SYSTEM ON or XG ALL PARAMETER RESET, there is no default value.
When a request message is received, the currently set value is always transmitted.

<Table 1-10 >

MIDI Parameter Change table (DRUM SETUP)

Address (H)	Size	Data (H)	Parameter Name (H)		Description	Default Value(H)
3n	rr	00	1	00..7F	Pitch Coarse	-64..+63	40
3n	rr	01	1	00..7F	Pitch Fine	-64..+63[cent]	40
3n	rr	02	1	00..7F	Level	0..127	Depend on the Note
3n	rr	03	1	00..7F	Alternate Group	0:off,1..127	Depend on the Note
3n	rr	04	1	00..7F	Pan	0:random L63..C..R63(1..64..127)	Depend on the Note
3n	rr	05	1	00..7F	Reverb Send Level	0..127	Depend on the Note
3n	rr	06	1	00..7F	Chorus Send Level	0..127	Depend on the Note
3n	rr	07	1	00..7F	Variation Send Level	0..127	7F
3n	rr	08	1	00..01	Key Assign	0:single,1:multi	00
3n	rr	09	1	00..01	Rcv Note Off	off/on	Depend on the Note
3n	rr	0A	1	00..01	Rcv Note On	off/on	01
3n	rr	0B	1	00..7F	Filter Cutoff Freq.	-64..63	40
3n	rr	0C	1	00..7F	Filter Resonance	-64..63	40
3n	rr	0D	1	00..7F	EG Attack Rate	-64..63	40
3n	rr	0E	1	00..7F	EG Decay1 Rate	-64..63	40
3n	rr	0F	1	00..7F	EG Decay2 Rate	-64..63	40

TOTAL SIZE 10

n:Drum Setup Number(0 - 1)
rr:note number(0DH - 5BH)

If XG SYSTEM ON and/or GM SYSTEM ON message is received, all Drum Setup Parameter will be reset to default values.
According to the Drum Setup Reset message, individual Drum Setup Parameters can be reset to default values.

<Table 1-11 > CVP-109/107/700 Effect Map

If the received value does not contain an effect type in the TYPE LSB, the LSB will be directed to TYPE 0.
The panel effects are marked by "*".

REVERB TYPE

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	*HALL1	HALL2							*HALL2	*HALL3	*HALL4		
002	2	ROOM1	ROOM2	ROOM3						*ROOM1	*ROOM2	*ROOM3	*ROOM4	
003	3	STAGE1	STAGE2							*STAGE1	*STAGE2			
004	4	PLATE								*PLATE1	*PLATE2			
005	5	NO EFFECT												
:	:	:												
015	F	NO EFFECT												
016	10	WHITE ROOM												
017	11	TUNNEL												
018	12	CANYON												
019	13	BASEMENT												
020	14	NO EFFECT												
:	:	:												
127	7F	NO EFFECT												

CHORUS TYPE

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	NO EFFECT												
:	:	:												
064	40	NO EFFECT												
065	41	CHORUS1	CHORUS2	*CHORUS5				CHORUS4						
066	42	CELESTE1	*CHORUS4	CELESTE3				*CHORUS2		*CHORUS3	*CHORUS1			
067	43	FLANGER 1	*FLANGER 4					*FLANGER1		*FLANGER2	*FLANGER3			
068	44	SYMPHONIC								Symphonic				
069	45	NO EFFECT												
:	:	:												
071	47	NO EFFECT												
072	48	PHASER 1												
073	49	NO EFFECT												
:	:	:												
086	56	NO EFFECT												
087	57	ENSEMBLE DETUNE												
088	58	NO EFFECT												
:	:	:												
127	7F	NO EFFECT												

VARIATION TYPE(0 – 63)

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	HALL	HALL2							HALL	HALL	HALL		
002	2	ROOM1	ROOM2	ROOM3						ROOM	ROOM	ROOM	ROOM	
003	3	STAGE1	STAGE2							STAGE	STAGE			
004	4	PLATE								PLATE	PLATE			
005	5	DELAY L,C,R								DELAY LCR				
006	6	DELAY LR												
007	7	ECHO												
008	8	CROSS DELAY												
009	9	EARLY REF1	EARLY REF											
010	A	GATE REVERB												
011	B	REVERSE GATE												
012	C	NO EFFECT or THRU												
:	:	:												
015	F	NO EFFECT or THRU												
016	10	WHITE ROOM												
017	11	TUNNEL												
018	12	CANYON												
019	13	BASEMENT												
020	14	KARAOKE 1	KARAOKE 2	KARAOKE 3										
021	15	NO EFFECT or THRU												
:	:	:												
063	3F	NO EFFECT or THRU												

VARIATION TYPE(64 – 127)

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
064	40	THRU												
065	41	CHORUS1	CHORUS2	CHORUS				CHORUS4						
066	42	CELESTE1	CHORUS	CELESTE3				CHORUS		CHORUS	CHORUS	Rotary Sp		
067	43	FLANGER 1	FLANGER					FLANGER		FLANGER	FLANGER			
068	44	SYMPHONIC								SYMPHONIC				
069	45	ROTARY SP.								ROTARY SP				
070	46	TREMOLO								TREMOLO	ROTARY SP			
071	47	AUTO PAN								AUTO PAN	ROTARY SP	ROTARY SP	TREMOLO	GTR TREMOLO
072	48	PHASER						PHASER 2						
073	49	DISTORTION	COMP+ DISTORTION											
074	4A	OVER DRIVE												
075	4B	AMP SIM.								DIST HARD	DIST SOFT			
076	4C	3BAND EQ								EQ DISCO	EQ TEL			
077	4D	2BAND EQ												
078	4E	AUTO WAH	AUTO WAH+ DIST	AUTO WAH+ OVERDRIVE						AUTO WAH				
079	4F	THRU												
080	50	PITCH CHANGE1	PITCH CHANGE2											
081	51	HARMONIC ENHANCER												
082	52	TOUCH WAH 1	TOUCH WAH+ DIST	TOUCH WAH+ OVERDRIVE				TOUCH WAH 2						
083	53	COMPRESSOR												
084	54	NOISE GATE												
085	55	VOICE CANCEL												
086	56	2WAY ROTARY SP												
087	57	ENSEMBLE DETUNE												
088	58	AMBIENCE												
089	59	THRU												
:	:													
092	5C	THRU												
093	5D	TALKING MODULATOR												
094	5E	LO-FI												
095	5F	DIST+DELAY	OVERDRIVE+ DELAY											
096	60	COMP+DIST+DELAY	COMP+ OVERDRIVE+ DELAY											
097	61	WAH+DIST+DELAY	WAH+ OVERDRIVE+ DELAY											
098	62	THRU												
:	:													
127	7F	THRU												

INSERTION TYPE

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	THRU												
001	1	*HALL1	HALL 2							*HALL2	*HALL3	*HALL4		
002	2	ROOM 1	ROOM 2	ROOM 3						*ROOM1	*ROOM2	*ROOM3	*ROOM4	
003	3	STAGE 1	STAGE 2							*STAGE1	*STAGE2			
004	4	PLATE								*PLATE1	*PLATE2			
005	5	DELAY L,C,R								*DELAY LCR				
006	6	*DELAY LR												
007	7	*ECHO												
008	8	*CROSS DELAY												
009	9	THRU												
:	:	:												
019	13	THRU												
020	14	*KARAOKE1	*KARAOKE2	*KARAOKE3										
021	15	THRU												
:	:	:												
063	3F	THRU												
064	40	THRU												
065	41	CHORUS 1	CHORUS 2	*CHORUS5				CHORUS 4						
066	42	CELESTE 1	*CHORUS4	CELESTE 3				*CHORUS2		*CHORUS3	*CHORUS1	*ROTARY SP5		
067	43	FLANGER 1	*FLANGER4					*FLANGER1		*FLANGER2	*FLANGER3			
068	44	*SYMPHONIC2								*SYMPHONIC1				
069	45	ROTARY SPEAKER 1								*ROTARY SP1				
070	46	TREMOLO								*TREMOLO1	*ROTARY SP4			
071	47	*AUTO PAN2								*AUTO PAN1	*ROTARY SP2	*ROTARY SP3	*TREMOLO2	*GTR TREMOLO
072	48	*PHASER												
073	49	DISTORTION												
074	4A	OVER DRIVE												
075	4B	*AMP SIMULATOR								*DIST HARD	*DIST SOFT			
076	4C	3BAND EQ								*EQ DISCO	*EQ TEL			
077	4D	2-BAND EQ												
078	4E	*AUTO WAH2								*AUTO WAH1				
079	4F	THRU												
080	50	THRU												
081	51	HARMONIC ENHANCER												
082	52	*TOUCH WAH1						*TOUCH WAH2						
083	53	COMPRESSOR												
084	54	NOISE GATE												
085	55	THRU												
086	56	THRU												
087	57	ENSEMBLE DETUNE												
088	58	THRU												
:	:	:												
127	7F	THRU												

<Table 1-12 > CVP-105/103 Effect Map

If the received value does not contain an effect type in the TYPE LSB, the LSB will be directed to TYPE 0.
The panel effects are marked by "*".

REVERB TYPE

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	*HALL1	HALL2							*HALL2	*HALL3	*HALL4		
002	2	ROOM1	ROOM2	ROOM3						*ROOM1	*ROOM2	*ROOM3	*ROOM4	
003	3	STAGE1	STAGE2							*STAGE1	*STAGE2			
004	4	PLATE								*PLATE1	*PLATE2			
005	5	NO EFFECT												
:	:	:												
015	F	NO EFFECT												
016	10	WHITE ROOM												
017	11	TUNNEL												
018	12	CANYON												
019	13	BASEMENT												
020	14	NO EFFECT												
:	:	:												
127	7F	NO EFFECT												

CHORUS TYPE

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	NO EFFECT												
:	:	:												
064	40	NO EFFECT												
065	41	CHORUS1	CHORUS2	*CHORUS5				CHORUS4						
066	42	CELESTE1	*CHORUS4	CELESTE3				*CHORUS2		*CHORUS3	*CHORUS1			
067	43	FLANGER 1	*FLANGER 4					*FLANGER1		*FLANGER2	*FLANGER3			
068	44	NO EFFECT												
:	:	:												
127	7F	NO EFFECT												

VARIATION TYPE(0 – 63)

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
000	0	NO EFFECT												
001	1	*HALL1	HALL2							*HALL2	*HALL3	*HALL4		
002	2	ROOM1	ROOM2	ROOM3						*ROOM1	*ROOM2	*ROOM3	*ROOM4	
003	3	STAGE1	STAGE2							*STAGE1	*STAGE2			
004	4	PLATE								*PLATE1	*PLATE2			
005	5	DELAY L,C,R								*DELAY LCR				
006	6	*DELAY LR												
007	7	*ECHO												
008	8	*CROSS DELAY												
009	9	*EARLY REF1	*EARLY REF2											
010	A	*GATE REVERB												
011	B	*REVERSE GATE												
012	C	NO EFFECT or THRU												
:	:	:												
019	13	NO EFFECT or THRU												
020	14	KARAOKE 1	KARAOKE 2	KARAOKE 3										
021	15	NO EFFECT or THRU												
:	:	:												
063	3F	NO EFFECT or THRU												

VARIATION TYPE(64 – 127)

TYPE MSB		TYPE LSB												
DEC	HEX	00	01	02	03	...	07	08	...	16	17	18	19	20
064	40	THRU												
065	41	CHORUS1	CHORUS2	*CHORUS5				CHORUS4						
066	42	CELESTE1	*CHORUS4	CELESTE3				*CHORUS2		*CHORUS3	*CHORUS1	*Rotary Sp5		
067	43	FLANGER 1	*FLANGER4					*FLANGER1		*FLANGER2	*FLANGER3			
068	44	SYMPHONIC								*SYMPHONIC				
069	45	ROTARY SP.								*ROTARY SP1				
070	46	TREMOLO								*TREMOLO1	*ROTARY SP4			
071	47	AUTO PAN								*AUTO PAN	*ROTARY SP2	*ROTARY SP3	*TREMOLO2	*GTR TREMOLO
072	48	*PHASER						PHASER 2						
073	49	DISTORTION												
074	4A	OVER DRIVE												
075	4B	AMP SIM.								*DIST HARD	*DIST SOFT			
076	4C	3BAND EQ								*EQ DISCO	*EQ TEL			
077	4D	2BAND EQ												
078	4E	AUTO WAH								*AUTO WAH				
079	4F	THRU												
:	:													
127	7F	THRU												

<Table 1-13 > Effect Parameter List

XG Effect Name
HALL1,HALL2
ROOM1,ROOM2,ROOM3
STAGE1,STAGE2
PLATE (reverb, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Reverb Time	0.3–30.0s	0–69	table#4		
2	Diffusion	0–10	0–10			
3	Initial Delay	0.1mS–99.3mS	0–63	table#5		
4	HPF Cutoff	Thru–8.0kHz	0–52	table#3		
5	LPF Cutoff	1.0k–Thru	34–60	table#3		
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Rev Delay	0.1mS–99.3mS	0–63	table#5		
12	Density	0–4 (reverb, variation block)	0–4		CVP-109/107/700	
		0–3 (reverb, variation block)	0–3		CVP-105/103	
		0–2 (insertion block)	0–2		CVP-109/107/700 only	
13	Er/Rev Balance	E63>R – E=R – E<R63	1–127			
14	High Damp	0.1–1.0	1–10		CVP-109/107/700 only	
15	Feedback Level	-63–+63	1–127			
16						

WHITE ROOM
TUNNEL
CANYON
BASEMENT (reverb, variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Reverb Time	0.3–30.0s	0–69	table#4		
2	Diffusion	0–10	0–10			
3	Initial Delay	0.1mS–99.3mS	0–63	table#5		
4	HPF Cutoff	Thru–8.0kHz	0–52	table#3		
5	LPF Cutoff	1.0k–Thru	34–60	table#3		
6	Width	0.5–10.2m	0–37	table#11		
7	Heigt	0.5–20.2m	0–73	table#11		
8	Depth	0.5–30.2m	0–104	table#11		
9	Wall Vary	0–30	0–30			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Rev Delay	0.1mS–99.3mS	0–63	table#5		
12	Density	0–4	0–4		CVP-109/107/700	
		0–3	0–3		CVP-105/103	
13	Er/Rev Balance	E63>R – E=R – E<R63	1–127			
14	High Damp	0.1–1.0	1–10		CVP-109/107/700 only	
15	Feedback Level	-63–+63	1–127			
16						

DELAY L,C,R (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Lch Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
2	Rch Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
3	Cch Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
4	Feedback Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
5	Feedback Level	-63–+63	1–127			
6	Cch Level	0–127	0–127			
7	High Damp	0.1–1.0	1–10			
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
14	EQ Low Gain	-12–+12dB	52–76			
15	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
16	EQ High Gain	-12–+12dB	52–76			

DELAY L,R (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Lch Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
2	Rch Delay	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
3	Feedback Delay 1	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
4	Feedback Delay 2	0.1–715.0ms (variation block)	1–7150			
		0.1–715.0ms (Insertion block)	1–7150		CVP-109/107/700 only	
5	Feedback Level	-63–+63	1–127			
6	High Damp	0.1–1.0	1–10			
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
14	EQ Low Gain	-12–+12dB	52–76			
15	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
16	EQ High Gain	-12–+12dB	52–76			

ECHO (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Lch Delay1	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
2	Lch Feedback Level	-63–+63	1–127			
3	Rch Delay1	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
4	Rch Feedback Level	-63–+63	1–127			
5	High Damp	0.1–1.0	1–10			
6	Lch Delay2	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
7	Rch Delay2	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
8	Delay2 Level	0–127	0–127			
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
14	EQ Low Gain	-12–+12dB	52–76			
15	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
16	EQ High Gain	-12–+12dB	52–76			

CROSS DELAY (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	L->R Delay	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
2	R->L Delay	0.1–355.0ms (variation block)	1–3550			
		0.1–355.0ms (insertion block)	1–3550		CVP-109/107/700 only	
3	Feedback Level	-63–+63	1–127			
4	Input Select	L,R,L&R	0–2			
5	High Damp	0.1–1.0	1–10			
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
14	EQ Low Gain	-12–+12dB	52–76			
15	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
16	EQ High Gain	-12–+12dB	52–76			

EARLY REF1,EARLY REF2(variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0–5			
2	Room Size	0.1–7.0	0–44	table#6		
3	Diffusion	0–10	0–10			
4	Initial Delay	0.1mS–99.3mS	0–63	table#5		
5	Feedback Level	-63–+63	1–127			
6	HPF Cutoff	Thru–8.0kHz	0–52	table#3		
7	LPF Cutoff	1.0k–Thru	34–60	table#3		
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Liveness	0–10	0–10			
12	Density	0–3	0–3			
13	High Damp	0.1–1.0	1–10			
14						
15						
16						

GATE REVERB
REVERSE GATE (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Type	TypeA,TypeB	0–1			
2	Room Size	0.1–20.0	0–127	table#6		
3	Diffusion	0–10	0–10			
4	Initial Delay	0.1mS–200.0mS	0–127	table#5		
5	Feedback Level	-63–+63	1–127			
6	HPF Cutoff	Thru–8.0kHz	0–52	table#3		
7	LPF Cutoff	1.0k–Thru	34–60	table#3		
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Liveness	0–10	0–10			
12	Density	0–3	0–3			
13	High Damp	0.1–1.0	1–10			
14						
15						
16						

KARAOKE1,2,3 (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Delay Time	0.1mS–400.0mS	0–127	table#7		
2	Feedback Level	-63–+63	1–127			
3	HPF Cutoff	Thru–8.0kHz	0–52	table#3		
4	LPF Cutoff	1.0k–Thru	34–60	table#3		
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13						
14						
15						
16						

CHORUS1,2,3,4
CELESTE1,2,3,4 (chorus, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Feedback Level	-63–+63	1–127			
4	Delay Offset	0.0mS–50mS	0–127	table#2		
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14						
15	Input Mode	mono/stereo	0–1			
16						

FLANGER1,2,3 (chorus, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Feedback Level	-63–+63	1–127			
4	Delay Offset	0.0mS–50mS	0–127	table#2		
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14	LFO Phase Difference	-180–+180deg(resolution=3deg.)	4–124			
15						
16						

SYMPHONIC (chorus, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Delay Offset	0.0mS–50mS	0–127	table#2		
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14						
15						
16						

ENSEMBLE DETUNE (chorus, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Detune	-50–+50cent	14–114			
2	Lch Init Delay	0.0mS–50mS	0–127	table#2		
3	Rch Init Delay	0.0mS–50mS	0–127	table#2		
4						
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	EQ Low Frequency	32Hz–2.0kHz (variation, insertion block)	4–40	table#3	CVP-109/107/700 only	
12	EQ Low Gain	-12–+12dB (variation, insertion block)	52–76		CVP-109/107/700 only	
13	EQ High Frequency	500Hz–16.0kHz (variation, insertion block)	28–58	table#3	CVP-109/107/700 only	
14	EQ High Gain	-12–+12dB (variation, insertion block)	52–76		CVP-109/107/700 only	
15						
16						

AMBIENCE (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Delay Time	0.0mS–50mS	0–127	table#2		
2	Output Phase	normal/invers	0–1			
3						
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13						
14						
15						
16						

ROTARY SPEAKER (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		●
2	LFO Depth	0–127	0–127			
3						
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14						
15						
16						

2WAY ROTARY SPEAKER (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Rotor Speed	0.0Hz–39.7Hz	0–127	table#1		●
2	Drive Low	0–127	0–127			
3	Drive High	0–127	0–127			
4	Low/High	L63>H – L=H – L<H63	1–127			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10						
11	Crossover Frequency	100Hz–10.0kHz	14–54	table#3		
12	Mic L-R Angle	0deg–180deg(resolution=3deg.)	0–60			
13						
14						
15						
16						

TREMOLO (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		●
2	AM Depth	0–127	0–127			
3	PM Depth	0–127	0–127			
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10						
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14	LFO Phase Difference	-180–+180deg(resolution=3deg.)	4–124			
15	Input Mode	mono/stereo	0–1			
16						

AUTO PAN (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		●
2	L/R Depth	0–127	0–127			
3	F/R Depth	0–127	0–127			
4	PAN Direction	L<->R,L->R,L<-R,Lturn,Rturn,L/R	0–5			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10						
11	EQ Mid Frequency	100Hz–10.0kHz (variation block)	14–54	table#3	CVP-109/107/700 only	
12	EQ Mid Gain	-12–+12dB (variation block)	52–76		CVP-109/107/700 only	
13	EQ Mid Width	1.0–12.0 (variation block)	10–120		CVP-109/107/700 only	
14						
15						
16						

PHASER 1 (chorus, variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Phase Shift Offset	0–127	0–127			
4	Feedback Level	-63–+63	1–127			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Stage	4,5,6 (chorus, insertion block)	4–6		CVP-109/107/700 only	
		4–12 (variation block)	4–12		CVP-109/107/700	
		6–10 (variation block)	6–10		CVP-105/103	
12	Diffusion	mono/stereo	0–1			
13						
14						
15						
16						

PHASER 2 (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Phase Shift Offset	0–127	0–127			
4	Feedback Level	-63–+63	1–127			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Stage	3,4,5,6	3–6		CVP-109/107/700	
12		3,4,5	3–5		CVP-105/103	
13	LFO Phase Difference	-180deg–+180deg (resolution=3deg.)	4–124			
14						
15						
16						

DISTORTION
OVERDRIVE (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Drive	0–127	0–127			●
2	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
3	EQ Low Gain	-12–+12dB	52–76			
4	LPF Cutoff	1.0k–Thru	34–60	table#3		
5	Output Level	0–127	0–127			
6						
7	EQ Mid Frequency	100Hz–10.0kHz	14–54	table#3	CVP-109/107/700	
		500Hz–10.0kHz	28–54	table#3	CVP-105/103	
8	EQ Mid Gain	-12–+12dB	52–76			
9	EQ Mid Width	1.0–12.0	10–120			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Edge(Clip Curve)	0–127	0–127	mild–sharp		
12						
13						
14						
15						
16						

COMP+DIST (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Drive	0–127	0–127			●
2	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
3	EQ Low Gain	-12–+12dB	52–76			
4	LPF Cutoff	1.0k–Thru	34–60	table#3		
5	Output Level	0–127	0–127			
6						
7	EQ Mid Frequency	100Hz–10.0kHz	14–54	table#3		
8	EQ Mid Gain	-12–+12dB	52–76			
9	EQ Mid Width	1.0–12.0	10–120			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Edge(Clip Curve)	0–127	0–127	mild–sharp		
12	Attack	1ms–40ms	0–19	table#8		
13	Release	10ms–680ms	0–15	table#9		
14	Threshold	-48dB– -6dB	79–121			
15	Ratio	1.0–20.0	0–7	table#10		
16						

AMP SIMULATOR (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Drive	0–127	0–127			●
2	AMP Type	Off,Stack,Combo,Tube	0–3			
3	LPF Cutoff	1.0k–Thru	34–60	table#3		
4	Output Level	0–127	0–127			
5						
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Edge(Clip Curve)	0–127	0–127	mild–sharp		
12						
13						
14						
15						
16						

3BAND EQ(MONO) (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	EQ Low Gain	-12–+12dB	52–76			
2	EQ Mid Frequency	100Hz–10.0kHz	14–54	table#3	CVP-109/107/700	
		500Hz–10.0kHz	28–54	table#3	CVP-105/103	
3	EQ Mid Gain	-12–+12dB	52–76			
4	EQ Mid Width	1.0–12.0	10–120			
5	EQ High Gain	-12–+12dB	52–76			
6	EQ Low Frequency	50Hz–2.0kHz	8–40	table#3		
7	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
8						
9						
10						
11						
12						
13						
14						
15	Input Mode	mono/stereo	0–1			
16						

2BAND EQ(STEREO) (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
2	EQ Low Gain	-12–+12dB	52–76			
3	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
4	EQ High Gain	-12–+12dB	52–76			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

AUTO WAH (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Cutoff Frequency Offset	0–127	0–127		●	
4	Resonance	1.0–12.0	10–120			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3	CVP-109/107/700	
		50Hz–2.0kHz	8–40	table#3	CVP-105/103	
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Drive	0–127(variation block)	0–127			
12						
13						
14						
15						
16						

AUTO WAH+DIST
AUTO WHA+ODRV (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	LFO Frequency	0.00Hz–39.7Hz	0–127	table#1		
2	LFO Depth	0–127	0–127			
3	Cutoff Frequency Offset	0–127	0–127		●	
4	Resonance	1.0–12.0	10–120			
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Drive	0–127	0–127			
12	EQ Low Gain (distortion)		-12–+12dB	52–76		
13	EQ Mid Gain (distortion)		-12–+12dB	52–76		
14	LPF Cutoff	1.0kHz–thru	34–60	table#3		
15	Output Level	0–127	0–127			
16						

TOUCH WAH 1 (variation, insertion block)
TOUCH WAH+DIST (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Sensitive	0–127	0–127			
2	Cutoff Frequency Offset	0–127	0–127		●	
3	Resonance	1.0–12.0	10–120			
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Drive	0–127(variation block)	0–127			
12						
13						
14						
15						
16						

TOUCH WAH 2 (variation, insertion block)
TOUCH WAH+ODRV (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Sensitive	0–127	0–127			
2	Cutoff Frequency Offset	0–127	0–127		●	
3	Resonance	1.0–12.0	10–120			
4						
5						
6	EQ Low Frequency	32Hz–2.0kHz	4–40	table#3		
7	EQ Low Gain	-12–+12dB	52–76			
8	EQ High Frequency	500Hz–16.0kHz	28–58	table#3		
9	EQ High Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			
11	Drive	0–127(variation block)	0–127			
12	EQ Low Gain (distortion)	-12–+12dB(variation block)	52–76			
13	EQ Mid Gain (distortion)	-12–+12dB(variation block)	52–76			
14	LPF Cutoff	1.0kHz–thru(variation block)	34–60	table#3		
15	Output Level	0–127(variation block)	0–127			
16	Release	10–680ms	52–67			

PITCH CHANGE 1 (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Pitch	-24–+24	40–88			
2	Initial Delay	0.1mS–400.0mS	0–127	table#7		
3	Fine 1	-50–+50	14–114			
4	Fine 2	-50–+50	14–114			
5	Feedback Level	-63–+63	1–127			
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Pan 1	L63–R63	1–127			
12	Output Level 1	0–127	0–127			
13	Pan 2	L63–R63	1–127			
14	Output Level 2	0–127	0–127			
15						
16						

PITCH CHANGE 2 (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Pitch	-24–+24	40–88			
2	Initial Delay	0.1mS–400.0mS	0–127	table#7		
3	Fine 1	-50–+50cent	14–114			
4	Fine 2	-50–+50cent	14–114			
5	Feedback Level	-63–+63	1–127			
6						
7						
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Pan 1	L63–R63	1–127			
12	Output Level 1	0–127	0–127			
13	Pan 2	L63–R63	1–127			
14	Output Level 2	0–127	0–127			
15						
16						

COMPRESSOR (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Attack	1–40ms	0–19	table#8		
2	Release	10–680ms	0–15	table#9		
3	Threshold	-48– -6dB	79–121			
4	Ratio	1.0–20.0	0–7	table#10		
5	Output Level	0–127	0–127			
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

NOISE GATE (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Attack	1–40ms	0–19	table#8		
2	Release	10–680ms	0–15	table#9		
3	Threshold	-72– -30dB	55–97			
4	Output Level	0–127	0–127			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

VOICE CANCEL (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	Low Adjust	0–26	0–26			
12	High Adjust	0–26	0–26			
13						
14						
15						
16						

NO EFFECT (reverb, chorus, variation block)
THRU (variation, insertion block)

No.	Parameter	Display	Value	See Table	Comment	Control
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

HARMONIC ENHANCER (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	HPF Cutoff	500Hz–16kHz	28–58	table#3		
2	Drive	0–127	0–127			
3	Mix Level	0–127	0–127			
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

TALKING MODULATION (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Vowel	a,i,u,e,o	0–4			
2	Move speed	1–62	1–62			
3	Drive	0–127	0–127			
4	Output Level	0–127	0–127			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

LO-FI (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Sampling Freq Control	a,i,u,e,o	0–4			
2	Word Length	1–62	1–62			
3	Output Gain	0–127	0–127			
4	LPF Cutoff	0–127	0–127			
5	Filter Type	Thru,PowerBass,Radio,Tel, Clean,Low	0–5			
6	LPF Resonance	1.0–12.0	10–120			
7	Bit Assign	0–6	0–6			
8	Emphasis	Off/On	0–1			
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13						
14						
15	Input Mode	mono/stereo				
16						

DIST+DELAY (variation block)
OVERDRIVE+DELAY (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Lch Delay Time	0.1–1486.0ms	1–14860			
2	Rch Delay Time	0.1–1486.0ms	1–14860			
3	Delay Feedback Time	0.1–1486.0ms	1–14860			
4	Delay Feedback Level	-63–+63	1–127			
5	Delay Mix	0–127	0–127			
6	Dist Drive	0–127	0–127			
7	Dist Output Level	0–127	0–127			
8	Dist EQ Low Gain	-12–+12dB	52–76			
9	Dist EQ Mid Gain	-12–+12dB	52–76			
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11						
12						
13						
14						
15						
16						

COMP+DIST+DELAY (variation block)
COMP+OVERDRIVE+DELAY (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Delay Time	0.1–1486.0ms	1–14860			
2	Delay Feedback Level	-63–+63	1–127			
3	Delay Mix	0–127	0–127			
4	Dist Drive	0–127	0–127			
5	Dist Output Level	0–127	0–127			
6	Dist EQ Low Gain	-12–+12dB	52–76			
7	Dist EQ Mid Gain	-12–+12dB	52–76			
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Comp. Attack	1ms–40ms	0–19	table#8		
12	Comp. Release	10ms–680ms	0–15	table#9		
13	Comp. Threshold	-48dB– -6dB	79–121			
14	Comp. Ratio	1.0–20.0	0–7	table#10		
15						
16						

WAH+DIST+DELAY (variation block)
WAH+OVERDRIVE+DELAY (variation block)

No.	Parameter	Display	Value	See Table	Comment	Control
1	Delay Time	0.1–1486.0ms	1–14860			
2	Delay Feedback Level	-63–+63	1–127			
3	Delay Mix	0–127	0–127			
4	Dist Drive	0–127	0–127			
5	Dist Output Level	0–127	0–127			
6	Dist EQ Low Gain	-12–+12dB	52–76			
7	Dist EQ Mid Gain	-12–+12dB	52–76			
8						
9						
10	Dry/Wet	D63>W – D=W – D<W63	1–127			●
11	Wah Sensitive	0–127	0–127			
12	Wah Cutoff Freq Offset	0–127	0–127			
13	Wah Resonance	1.0–12.0	10–120			
14	Wah Release	10–680ms	52–67			
15						
16						

Note: Parameter 10 (Dry/Wet) can only be set for insertion type effects.

VOCAL HARMONY MIDI SPECIFICATIONS

Channel message

1) Note on / off — Harmony ch / Melody ch

- 9n kk vv — note on message — ○ / ○
  Specifies pitch in the Vocoder mode.
  Velocity not recognized.
  Also used as Gender Threshold source for the Melody channel.
- 8n kk vv — note off message — ○ / ○
  Turns the current note off in the Vocoder mode.
- 9n kk 00
  Also used as Gender Threshold source for the Melody channel.

2) Control change

Bn 40 vv	damper pedal	○	○
64	RPN	○	○
65	RPN	○	○
62	NRPN	○	○
63	NRPN	○	○
06	Data entry MSB	○	○
64	Data Increment	○	○
26	Data Decrement	○	○
7B	All note off	○	○

3) RPN

MSB	LSB			
00	00	Pitch bend sensitivity	○	○
7F	7F	NULL	○	○

4) NRPN

MSB	LSB			
00	00	Harmony mute	○	×
01	08	Vibrato rate modulation	○	○
01	09	Vibrato depth modulation	○	○
01	0A	Vibrato delay modulation	○	○
01	1A	Detune modulation	○	×
		Controls the overall amount of detune.		
02	10	Harmony 1 volume	○	×
02	11	Harmony 2 volume	○	×
02	20	Harmony 1 pan	○	×
02	21	Harmony 2 pan	○	×
02	30	Harmony 1 detune	○	×
02	31	Harmony 2 detune	○	×
03	00	Lead gender type	×	○
03	01	Lead gender amount	×	○

5) Pitch bend

- E0 nn nn — ○ / ○
  Only effective when melody channel Lead Gender ON.

<Table 1-14 > Effect Data Value Assign Table

Table#1
LFO Frequency

Data	Value	Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69	96	8.41
1	0.04	33	1.39	65	2.78	97	8.75
2	0.08	34	1.43	66	2.86	98	9.08
3	0.13	35	1.47	67	2.94	99	9.42
4	0.17	36	1.51	68	3.03	100	9.76
5	0.21	37	1.56	69	3.11	101	10.1
6	0.25	38	1.60	70	3.20	102	10.8
7	0.29	39	1.64	71	3.28	103	11.4
8	0.34	40	1.68	72	3.37	104	12.1
9	0.38	41	1.72	73	3.45	105	12.8
10	0.42	42	1.77	74	3.53	106	13.5
11	0.46	43	1.81	75	3.62	107	14.1
12	0.51	44	1.85	76	3.70	108	14.8
13	0.55	45	1.89	77	3.87	109	15.5
14	0.59	46	1.94	78	4.04	110	16.2
15	0.63	47	1.98	79	4.21	111	16.8
16	0.67	48	2.02	80	4.37	112	17.5
17	0.72	49	2.06	81	4.54	113	18.2
18	0.76	50	2.10	82	4.71	114	19.5
19	0.80	51	2.15	83	4.88	115	20.9
20	0.84	52	2.19	84	5.05	116	22.2
21	0.88	53	2.23	85	5.22	117	23.6
22	0.93	54	2.27	86	5.38	118	24.9
23	0.97	55	2.31	87	5.55	119	26.2
24	1.01	56	2.36	88	5.72	120	27.6
25	1.05	57	2.40	89	6.06	121	28.9
26	1.09	58	2.44	90	6.39	122	30.3
27	1.14	59	2.48	91	6.73	123	31.6
28	1.18	60	2.52	92	7.07	124	33.0
29	1.22	61	2.57	93	7.40	125	34.3
30	1.26	62	2.61	94	7.74	126	37.0
31	1.30	63	2.65	95	8.08	127	39.7

Table#2
Modulation Delay Offset

Data	Value	Data	Value	Data	Value	Data	Value
0	0.0	32	3.2	64	6.4	96	9.6
1	0.1	33	3.3	65	6.5	97	9.7
2	0.2	34	3.4	66	6.6	98	9.8
3	0.3	35	3.5	67	6.7	99	9.9
4	0.4	36	3.6	68	6.8	100	10.0
5	0.5	37	3.7	69	6.9	101	11.1
6	0.6	38	3.8	70	7.0	102	12.2
7	0.7	39	3.9	71	7.1	103	13.3
8	0.8	40	4.0	72	7.2	104	14.4
9	0.9	41	4.1	73	7.3	105	15.5
10	1.0	42	4.2	74	7.4	106	17.1
11	1.1	43	4.3	75	7.5	107	18.6
12	1.2	44	4.4	76	7.6	108	20.2
13	1.3	45	4.5	77	7.7	109	21.8
14	1.4	46	4.6	78	7.8	110	23.3
15	1.5	47	4.7	79	7.9	111	24.9
16	1.6	48	4.8	80	8.0	112	26.5
17	1.7	49	4.9	81	8.1	113	28.0
18	1.8	50	5.0	82	8.2	114	29.6
19	1.9	51	5.1	83	8.3	115	31.2
20	2.0	52	5.2	84	8.4	116	32.8
21	2.1	53	5.3	85	8.5	117	34.3
22	2.2	54	5.4	86	8.6	118	35.9
23	2.3	55	5.5	87	8.7	119	37.5
24	2.4	56	5.6	88	8.8	120	39.0
25	2.5	57	5.7	89	8.9	121	40.6
26	2.6	58	5.8	90	9.0	122	42.2
27	2.7	59	5.9	91	9.1	123	43.7
28	2.8	60	6.0	92	9.2	124	45.3
29	2.9	61	6.1	93	9.3	125	46.9
30	3.0	62	6.2	94	9.4	126	48.4
31	3.1	63	6.3	95	9.5	127	50.0

Table#3
EQ Frequency

Data	Value	Data	Value
0	THRU(0)	32	800
1	22	33	900
2	25	34	1.0k
3	28	35	1.1k
4	32	36	1.2k
5	36	37	1.4k
6	40	38	1.6k
7	45	39	1.8k
8	50	40	2.0k
9	56	41	2.2k
10	63	42	2.5k
11	70	43	2.8k
12	80	44	3.2k
13	90	45	3.6k
14	100	46	4.0k
15	110	47	4.5k
16	125	48	5.0k
17	140	49	5.6k
18	160	50	6.3k
19	180	51	7.0k
20	200	52	8.0k
21	225	53	9.0k
22	250	54	10.0k
23	280	55	11.0k
24	315	56	12.0k
25	355	57	14.0k
26	400	58	16.0k
27	450	59	18.0k
28	500	60	THRU(20.0k)
29	560		
30	630		
31	700		

Table#4
Reverb time

Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1		
7	1.0	39	4.2		
8	1.1	40	4.3		
9	1.2	41	4.4		
10	1.3	42	4.5		
11	1.4	43	4.6		
12	1.5	44	4.7		
13	1.6	45	4.8		
14	1.7	46	4.9		
15	1.8	47	5.0		
16	1.9	48	5.5		
17	2.0	49	6.0		
18	2.1	50	6.5		
19	2.2	51	7.0		
20	2.3	52	7.5		
21	2.4	53	8.0		
22	2.5	54	8.5		
23	2.6	55	9.0		
24	2.7	56	9.5		
25	2.8	57	10.0		
26	2.9	58	11.0		
27	3.0	59	12.0		
28	3.1	60	13.0		
29	3.2	61	14.0		
30	3.3	62	15.0		
31	3.4	63	16.0		

Table#5
Delay Time(200.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8	96	151.2
1	1.7	33	52.0	65	102.4	97	152.8
2	3.2	34	53.6	66	104.0	98	154.4
3	4.8	35	55.2	67	105.6	99	155.9
4	6.4	36	56.8	68	107.1	100	157.5
5	8.0	37	58.3	69	108.7	101	159.1
6	9.5	38	59.9	70	110.3	102	160.6
7	11.1	39	61.5	71	111.9	103	162.2
8	12.7	40	63.1	72	113.4	104	163.8
9	14.3	41	64.6	73	115.0	105	165.4
10	15.8	42	66.2	74	116.6	106	166.9
11	17.4	43	67.8	75	118.2	107	168.5
12	19.0	44	69.4	76	119.7	108	170.1
13	20.6	45	70.9	77	121.3	109	171.7
14	22.1	46	72.5	78	122.9	110	173.2
15	23.7	47	74.1	79	124.4	111	174.8
16	25.3	48	75.7	80	126.0	112	176.4
17	26.9	49	77.2	81	127.6	113	178.0
18	28.4	50	78.8	82	129.2	114	179.5
19	30.0	51	80.4	83	130.7	115	181.1
20	31.6	52	81.9	84	132.3	116	182.7
21	33.2	53	83.5	85	133.9	117	184.3
22	34.7	54	85.1	86	135.5	118	185.8
23	36.3	55	86.7	87	137.0	119	187.4
24	37.9	56	88.2	88	138.6	120	189.0
25	39.5	57	89.8	89	140.2	121	190.6
26	41.0	58	91.4	90	141.8	122	192.1
27	42.6	59	93.0	91	143.3	123	193.7
28	44.2	60	94.5	92	144.9	124	195.3
29	45.7	61	96.1	93	146.5	125	196.9
30	47.3	62	97.7	94	148.1	126	198.4
31	48.9	63	99.3	95	149.6	127	200.0

Table#6
Room Size

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	5.1	64	10.1	96	15.1
1	0.3	33	5.3	65	10.3	97	15.3
2	0.4	34	5.4	66	10.4	98	15.5
3	0.6	35	5.6	67	10.6	99	15.6
4	0.7	36	5.7	68	10.8	100	15.8
5	0.9	37	5.9	69	10.9	101	15.9
6	1.0	38	6.1	70	11.1	102	16.1
7	1.2	39	6.2	71	11.2	103	16.2
8	1.4	40	6.4	72	11.4	104	16.4
9	1.5	41	6.5	73	11.5	105	16.6
10	1.7	42	6.7	74	11.7	106	16.7
11	1.8	43	6.8	75	11.9	107	16.9
12	2.0	44	7.0	76	12.0	108	17.0
13	2.1	45	7.2	77	12.2	109	17.2
14	2.3	46	7.3	78	12.3	110	17.3
15	2.5	47	7.5	79	12.5	111	17.5
16	2.6	48	7.6	80	12.6	112	17.6
17	2.8	49	7.8	81	12.8	113	17.8
18	2.9	50	7.9	82	12.9	114	18.0
19	3.1	51	8.1	83	13.1	115	18.1
20	3.2	52	8.2	84	13.3	116	18.3
21	3.4	53	8.4	85	13.4	117	18.4
22	3.5	54	8.6	86	13.6	118	18.6
23	3.7	55	8.7	87	13.7	119	18.7
24	3.9	56	8.9	88	13.9	120	18.9
25	4.0	57	9.0	89	14.0	121	19.1
26	4.2	58	9.2	90	14.2	122	19.2
27	4.3	59	9.3	91	14.4	123	19.4
28	4.5	60	9.5	92	14.5	124	19.5
29	4.6	61	9.7	93	14.7	125	19.7
30	4.8	62	9.8	94	14.8	126	19.8
31	5.0	63	10.0	95	15.0	127	20.0

Table#7
Delay Time(400.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	100.9	64	201.6	96	302.4
1	3.2	33	104.0	65	204.8	97	305.5
2	6.4	34	107.2	66	207.9	98	308.7
3	9.5	35	110.3	67	211.1	99	311.8
4	12.7	36	113.5	68	214.2	100	315.0
5	15.8	37	116.6	69	217.4	101	318.1
6	19.0	38	119.8	70	220.5	102	321.3
7	22.1	39	122.9	71	223.7	103	324.4
8	25.3	40	126.1	72	226.8	104	327.6
9	28.4	41	129.2	73	230.0	105	330.7
10	31.6	42	132.4	74	233.1	106	333.9
11	34.7	43	135.5	75	236.3	107	337.0
12	37.9	44	138.6	76	239.4	108	340.2
13	41.0	45	141.8	77	242.6	109	343.3
14	44.2	46	144.9	78	245.7	110	346.5
15	47.3	47	148.1	79	248.9	111	349.6
16	50.5	48	151.2	80	252.0	112	352.8
17	53.6	49	154.4	81	255.2	113	355.9
18	56.8	50	157.5	82	258.3	114	359.1
19	59.9	51	160.7	83	261.5	115	362.2
20	63.1	52	163.8	84	264.6	116	365.4
21	66.2	53	167.0	85	267.7	117	368.5
22	69.4	54	170.1	86	270.9	118	371.7
23	72.5	55	173.3	87	274.0	119	374.8
24	75.7	56	176.4	88	277.2	120	378.0
25	78.8	57	179.6	89	280.3	121	381.1
26	82.0	58	182.7	90	283.5	122	384.3
27	85.1	59	185.9	91	286.6	123	387.4
28	88.3	60	189.0	92	289.8	124	390.6
29	91.4	61	192.2	93	292.9	125	393.7
30	94.6	62	195.3	94	296.1	126	396.9
31	97.7	63	198.5	95	299.2	127	400.0

Table#8
Compressor Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

Table#9
Compressor Release Time

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

Table#10
Compressor Ratio

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

Table#11
Reverb Width;Depth;Height

Data	Value	Data	Value	Data	Value	Data	Value
0	0.5	32	8.8	64	17.6	96	27.5
1	0.8	33	9.1	65	17.9	97	27.8
2	1.0	34	9.4	66	18.2	98	28.1
3	1.3	35	9.6	67	18.5	99	28.5
4	1.5	36	9.9	68	18.8	100	28.8
5	1.8	37	10.2	69	19.1	101	29.2
6	2.0	38	10.4	70	19.4	102	29.5
7	2.3	39	10.7	71	19.7	103	29.9
8	2.6	40	11.0	72	20.0	104	30.2
9	2.8	41	11.2	73	20.2		
10	3.1	42	11.5	74	20.5		
11	3.3	43	11.8	75	20.8		
12	3.6	44	12.1	76	21.1		
13	3.9	45	12.3	77	21.4		
14	4.1	46	12.6	78	21.7		
15	4.4	47	12.9	79	22.0		
16	4.6	48	13.1	80	22.4		
17	4.9	49	13.4	81	22.7		
18	5.2	50	13.7	82	23.0		
19	5.4	51	14.0	83	23.3		
20	5.7	52	14.2	84	23.6		
21	5.9	53	14.5	85	23.9		
22	6.2	54	14.8	86	24.2		
23	6.5	55	15.1	87	24.5		
24	6.7	56	15.4	88	24.9		
25	7.0	57	15.6	89	25.2		
26	7.2	58	15.9	90	25.5		
27	7.5	59	16.2	91	25.8		
28	7.8	60	16.5	92	26.1		
29	8.0	61	16.8	93	26.5		
30	8.3	62	17.1	94	26.8		
31	8.6	63	17.3	95	27.1		

YAMAHA [Clavinova] Date:01-MAR-1999
Model CVP-103/105/107/109/700 MIDI Implementation Chart Version : 1.0

Function ...	Transmitted	Recognized	Remarks
Basic Default	1 - 16	1 - 16	Memorized
Channel Changed	1 - 16 *1	1 - 16 *2	
Mode Default	3	3	
Mode Messages	x	3,4 (m=1) *3	
Mode Altered	**********	x	
Note Number : True voice	0 - 127 **********	0 - 127 0 - 127	
Velocity Note ON	o 9nH,v=1-127	o 9nH,v=1-127	
Velocity Note OFF	x 9nH,v=0	x	
After Touch Key's	x	x	
After Touch Ch's	x	o	
Pitch Bend	o	o 0-24 semi	
Control change 0,32	o	o	Bank Select
Control change 1	x *4	o	Modulation
Control change 5	x	o	Portamento Time
Control change 7,10,11	o	o	
Control change 6,38	o	o	Data Entry
Control change 64,66,67	o	o	
Control change 65	x	o	Portamento
Control change 71-74	x *4	o	Sound Controller
Control change 84	o	o	Portamento Cntrl
Control change 91,93,94	o	o	Effect Depth
Control change 96,97	x	o	RPN Inc,Dec
Control change 98,99	x *4	o	NRPN LSB,MSB
Control change 100,101	o	o	RPN LSB,MSB
Prog Change : True #	o 0 - 127 **********	o 0 - 127	
System Exclusive	o	o	
Common : Song Pos.	x	x	
Common : Song Sel.	x	x	
Common : Tune	x	x	
System :Clock	o	o	
Real Time :Commands	o	o	
Aux :All Sound Off	x	o(120,126,127)	
Aux :Reset All Cntrls	x	o(121)	
Aux :Local ON/OFF	x	x	
Aux :All Notes OFF	x	o(123-125)	
Mes- :Active Sense	o	o	
sages:Reset	x	x	
Notes:			

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO o : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO x : No

Notes:

**1: The send channel for the RIGHT1, RIGHT2, and LEFT parts can be set using the Send Channel (Keyboard) function. The transmission of accompaniment, harmony, and song data can be turned on or off using the Send Channel (Accompaniment/Harmony) and Song Transmission functions.*

**2: Messages received on the channel set by the Remote Keyboard function are handled as operations performed directly on the keyboard or panel. Only the following messages are received on this channel:*

- *Note On/Off (A-1...C7)*
- *Control Changes*
  - *Bank Select MSB/LSB (RIGHT1 part)*
  - *Modulation*
  - *Data Entry MSB (when PITCH BEND SENS. is set by RPN LSB/MSB)*
  - *Volume*
  - *Expression*
  - *Sustain*
  - *Sostenuto*
  - *Soft Pedal*
  - *Data Increment/Decrement (when PITCH BEND SENS. is set by RPN LSB/MSB)*
  - *RPN LSB/MSB (PITCH BEND SENS. only)*
  - *All Note Off*
- *Program Change (RIGHT1 part)*
- *Pitch Bend*

**3: "m" is always treated as "1" regardless of its value.*

**4: Transmitted when ACMP&RHY or HARMONY setting of Send Channel (Accompaniment/Harmony) function is on.*

Remarques :

**1 : Le canal d'émission pour les parties RIGHT1, RIGHT2, et LEFT peut être configuré à l'aide de la fonction Send Channel (Keyboard). La transmission des données d'accompagnement, d'harmonie et de morceau peut être activée ou désactivée à l'aide des fonctions Send Channel (Accompaniment/Harmony) et Song Transmission.*

**2 : Les messages reçus sur le canal configuré à l'aide de la fonction Remote Keyboard sont traités comme des opérations réalisées directement sur le clavier ou le panneau. Seuls les messages suivants sont reçus sur ce canal :*

- *Note On/Off (A-1...C7)*
- *Control Changes*
  - *Bank Select MSB/LSB (partie RIGHT1)*
  - *Modulation*
  - *Data Entry MSB (si PITCH BEND SENS. est défini à l'aide de RPN LSB/MSB)*
  - *Volume*
  - *Expression*
  - *Sustain*
  - *Sostenuto*
  - *Soft Pedal*
  - *Data Increment/Decrement (si PITCH BEND SENS. est défini à l'aide de RPN LSB/MSB)*
  - *RPN LSB/MSB (PITCH BEND SENS. uniquement)*
  - *All Note Off*
- *Program Change (partie RIGHT1)*
- *Pitch Bend*

**3 : "m" équivaut toujours à "1" quelle que soit sa valeur.*

**4 : Transmis(e) si le paramètre ACMP&RHY ou HARMONY de la fonction Send Channel (Accompaniment/Harmony) est activé.*

Hinweise:

**1: Der Sendekanal für die Parts RIGHT1, RIGHT2 und LEFT läßt sich über die Funktion Sendekanal (Keyboard) einstellen. Die Übertragung von Begleitungs-, Harmonie- und Songdaten kann mit den Funktionen Sendekanal (Begleitung/Harmonie) und Song-Übertragung ein- bzw. ausgeschaltet werden.*

**2: Meldungen, die an dem Kanal empfangen werden, der von der Remote Keyboard-Funktion eingestellt wurde, werden als direkt auf dem Keyboard oder Steuerpult ausgeführte Bedienoperationen angesehen. Nur die nachfolgend genannten Meldungen werden auf diesem Kanal empfangen:*

- *Noten Ein/Aus (A-1...C7)*
- *Steuerungsänderungs-*
  - *Bank. Wählen Sie MSB/LSB (Part RIGHT1)*
  - *Modulation*
  - *Dateneintrag MSB (sofern die Option PITCH BEND SENS. (Tonlagenabtastung) von RPN LSB/MSB) eingestellt wurde*
  - *VOLUME (LAUTSTÄRKE)*
  - *Expression (Ausdruck)*
  - *Sustain*
  - *Sostenuto*
  - *Soft Pedal*
  - *Datenerhöhung/-erniedrigung (sofern die Option PITCH BEND SENS. (Tonlagenabtastung) von RPN LSB/MSB eingestellt wurde)*
  - *RPN LSB/MSB (nur PITCH BEND SENS., TONLAGENABTASTUNG)*
  - *Alle Noten ausgeschaltet*
- *Programmänderung (Part RIGHT1)*
- *Pitch Bend (Tonlage)*

**3: "m" wird stets als "1" behandelt, unabhängig von dessen Wert.*

**4: Wird übertragen, wenn die ACMP&RHY- oder HARMONIE-Einstellung der Funktion Sendekanal (Begleitung/Harmonie) aktiviert ist.*

Notas:

**1: El canal de envío para las partes RIGHT1, RIGHT2 y LEFT puede ajustarse utilizando la función Send Channel (teclado). La transmisión del acompañamiento de la armonía y de los datos de canción se pueden activar o desactivar utilizando las funciones Send Channel (Accompaniment/Harmony) y Song Transmission.*

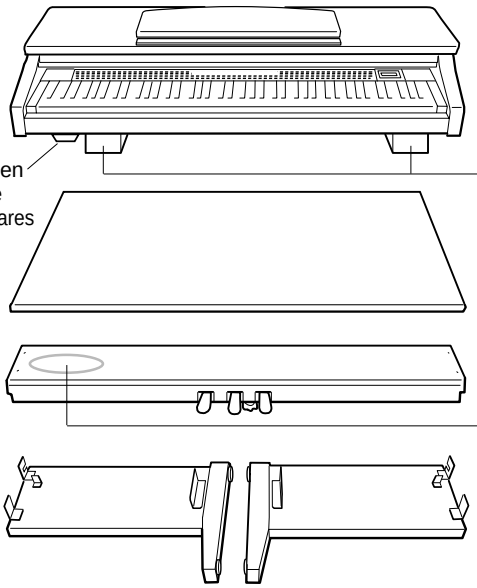
**2: Los mensajes recibidos en el canal ajustado por la función Remote Keyboard se consideran como operaciones realizadas directamente en el teclado o el panel. Sólo los mensajes siguientes se reciben en este canal:*

- *Note On/Off (A-1...C7)*
- *Control Changes*
  - *Bank Select MSB/LSB (parte RIGHT1)*
  - *Modulation*
  - *Data Entry MSB (cuando PITCH BEND SENS. se ajusta con RPN LSB/*
  - *MSB)*
  - *Volume*
  - *Expression*
  - *Sustain*
  - *Sostenuto*
  - *Soft Pedal*
  - *Data Increment/Decrement (cuando PITCH BEND SENS. se ajusta con*
  - *RPN LSB/MSB)*
  - *RPN LSB/MSB (sólo PITCH BEND SENS.)*
  - *All Note Off*
- *Program Change (parte RIGHT1)*
- *Pitch Bend*

**3: "m" siempre se considera como "1" independientemente de su valor.*

**4: Transmitido cuando los ajustes ACMP&RHY o HARMONY de la función Send Channel (Accompaniment/Harmony) está activada.*

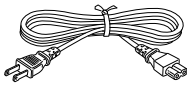
1



- Phone jacks
- Kopfhörerbuchsen
- Prise de casque
- Tomas de auriculares

- Cardboard packing cushions
- Kartonformstücke
- Cales d'emballage en carton
- Amortiguadores de embalaje la caja de cartón

- Bundled pedal cord inside
- Gebündeltes Pedalkabel
- Cordon de pédalier enroulé à l'intérieur
- Cable de pedales enrollado en el interior



- AC power cord
- Netzkabel
- Cordon d'alimentation
- Cable de alimentación de CA

- Cord holders **x 2**
- Kabelhalter **x 2**
- Serre-câble **x 2**
- Soportes de cable **x 2**

CVP-103: Assembly

⚠CAUTION

- *Be careful not to confuse parts, and be sure to install all parts in the correct direction. Please assemble in accordance with the sequence given below.*
- *Assembly should be carried out by at least two persons.*
- *Be sure to use the correct screw size, as indicated above. Use of incorrect screws can cause damage.*
- *Be sure to tighten up all screws upon completing assembly of each unit.*
- *To disassemble, reverse the assembly sequence given below.*

1 Open the box and remove all the parts.

Take out the two cardboard packing cushions on top of the main unit and place them on the floor. Then take out main unit (A) and place it on top of the packing cushions. Position the cushions so as to protect the phone jacks on the base of the unit.

Remove all parts from the box. Confirm that all parts shown in the illustration above are provided.

2 Attach the side panels (D) to the pedal box (C).

Before installing the pedal box, untie and straighten out the bundled cord attached to the bottom of the pedal box. Don't discard the vinyl tie, you'll need it later in step **5** . Place the pedal box on top of the brackets attached to the side panels (D), and attach using the four 6 x 20 millimeter round-head screws ❶ — two screws on each side. Make sure the pedals extend in the same direction as the side panel feet.

CVP-103: Zusammenbau

⚠VORSICHT

- *Achten Sie darauf, die Teile nicht zu verwechseln, und installieren Sie alle Teile in der richtigen Ausrichtung. Gehen Sie beim Zusammenbau bitte in der angegebenen Reihenfolge vor.*
- *Die Montage sollte von mindestens zwei Personen vorgenommen werden.*
- *Achten Sie darauf, die richtige Schraubengröße zu verwenden, wie es oben gezeigt ist. Die Verwendung der falschen Schrauben kann zu Schäden führen.*
- *Achten Sie während der Montage darauf, bei jedem Arbeitsgang alle Schrauben festzuziehen.*
- *Für die Demontage muß die angegebene Reihenfolge umgekehrt befolgt werden.*

1 Öffnen Sie den Karton und nehmen Sie alle Teile heraus.

Nehmen Sie die zwei Kartonformstücke oben auf der Haupteinheit heraus, und legen Sie sie auf den Boden. Nehmen Sie dann die Tastatureinheit (A) heraus, und stellen Sie sie auf die abgelegten Formstücke. Positionieren Sie die Formstücke dabei so, daß die Kopfhörerbuchsen unten am Instrument nicht beschädigt werden können. Vergewissern Sie sich, daß alle in der obigen Abbildung aufgeführten Teile vollzählig vorhanden sind.

2 Befestigen Sie die Seitenwände (D) am Pedalkasten (C).

Bevor Sie den Pedalkasten montieren, nehmen Sie zunächst das gebündelte Kabel aus dem Pedalkasten, entfernen den Kabelbinder und ziehen das Kabel dann gerade aus. Werfen Sie den Kabelbinder nicht wg, er wird in Schritt **5** wieder gebraucht.

Setzen Sie den Pedalkasten auf die Winkelbleche der beiden Seitenwänden (D), und schrauben Sie ihn dann mit den vier Halbrundschrauben (6 x 20 mm) ❶ fest (jeweils zwei Schrauben links und rechts). Achten Sie dabei darauf, daß die Pedale in dieselbe Richtung weisen wie die vorspringenden Teile der Füße.

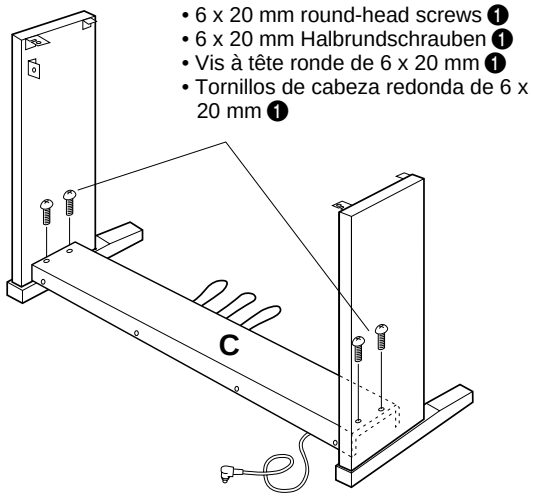
- 6 x 20 mm round-head screws **x 4** ❶
- 6 x 20 mm Halbrundschrauben **x 4** ❶
- Vis à tête ronde de 6 x 20 mm **x 4** ❶
- Tornillos de cabeza redonda de 6 x 20 mm **x 4** ❶

- 4 x 12 mm round-head screws **x 2** ❷
- 4 x 12 mm Halbrundschrauben **x 2** ❷
- Vis à tête ronde de 4 x 12 mm **x 2** ❷
- Tornillos de cabeza redonda de 4 x 12 mm **x 2** ❷

- 4 x 20 mm tapping screws **x 4** ❸
- 4 x 20 mm Schneidschrauben **x 4** ❸
- Vis auto-taraudeuses 4 x 20 mm **x 4** ❸
- Tornillos de autoenrosque de 4 x 20 mm **x 4** ❸

- 6 x 16 mm flat-head screws **x 4** ❸
- 6 x 16 mm Senkschrauben **x 4** ❸
- Vis à tête plate de 6 x 16 mm **x 4** ❸
- Tornillos de cabeza plana de 6 x 16 mm **x 4** ❸

2



- 6 x 20 mm round-head screws ❶
- 6 x 20 mm Halbrundschrauben ❶
- Vis à tête ronde de 6 x 20 mm ❶
- Tornillos de cabeza redonda de 6 x 20 mm ❶

CVP-103: Montage

⚠PRECAUTION

- *Veiller à ne pas mélanger les pièces et à les installer dans le sens correct. Veuillez assembler l'instrument dans l'ordre indiqué ci-dessous.*
- *La présence de deux personnes minimum est nécessaire pour procéder au montage.*
- *Toujours utiliser des vis aux dimensions correctes, comme indiqué cidessus. l'utilisation de vis aux dimensions incorrectes pourrait en effet endommager l'instrument.*
- *Resserrer convenablement toutes les vis après le montage de chaque élément.*
- *Pour démonter le Clavinova, inverser l'ordre des indications données ci-dessous.*

1 Ouvrez le carton et retirez toutes les pièces

Retirez les deux cales d'emballage en carton et placez-les sur le sol. Puis sortez l'instrument (A) et placez-le sur les cales d'emballage. Positionnez les cales de manière à protéger les prises des casques d'écoutes sur la base de l'instrument. Videz le carton de son contenu. Vérifiez que toutes les pièces indiquées sur l'illustration sont bien fournies.

2 Fixez les panneaux latéraux (D) au pédalier (C)

Avant de poser le pédalier, détacher le cordon de la partie inférieure du pédalier et le dérouler. Ne jetez pas l'attache en vinyle, vous la réutiliserez ultérieurement à l'étape **5** . Placez le pédalier sur les ferrures fixées aux panneaux latéraux (D) et fixez-le à l'aide des quatre vis à tête ronde de 6 x 20 millimètres ❶: deux vis de chaque côté. Veillez à ce que les pédales soient dirigées dans le même sens que les supports inférieurs.

CVP-103: Montaje

⚠CUIDADO

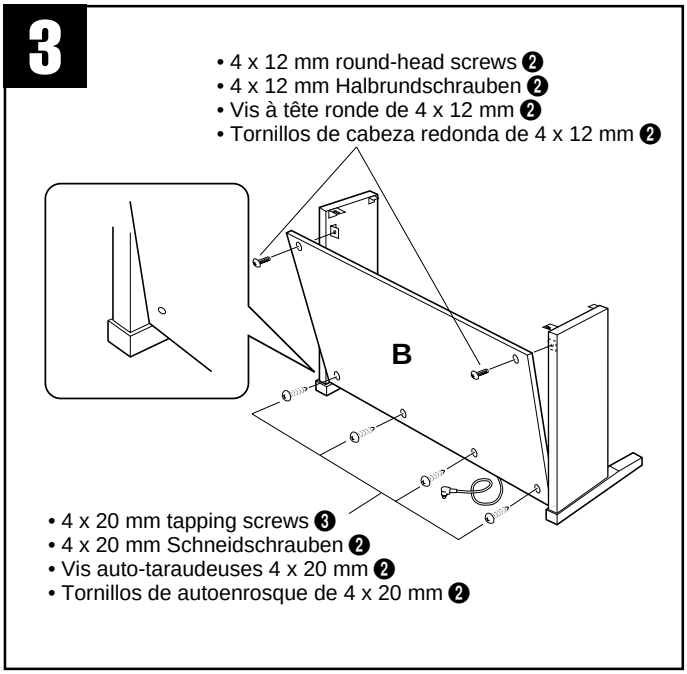
- *Observe cuidado para no confundir las piezas, y asegúrese de montar todas ellas en el sentido correcto. Proceda al montaje en el orden indicado a continuación.*
- *El montaje deberá realizarse al menos por dos personas.*
- *Procure utilizar los tornillos del tamaño adecuado, según se indica arriba. El empleo de tornillos inadecuados puede ocasionar daños en el instrumento.*
- *Asegúrese de apretar bien todos los tornillos después de montar cada unidad.*
- *Para desmontar las unidades, invierta la secuencia de montaje facilitada a continuación.*

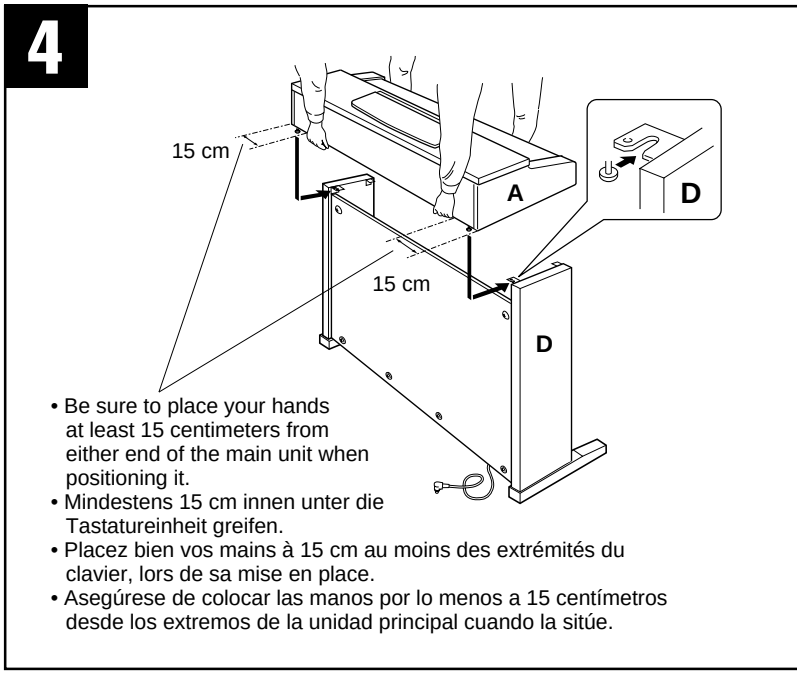
1 Abra la caja y extraiga todas las partes.

Extraiga los dos amortiguadores de embalaje de la caja de cartón sobre la unidad principal y colóquelos en el suelo. Entonces, saque la unidad principal (A) y colóquela sobre los amortiguadores de embalaje. Sitúe los amortiguadores de modo que también protejan las tomas telefónicas de la base de la unidad. Extraiga todas las partes de la caja. Confirme que no falte ninguna de las partes mostradas en la ilustración.

2 Acople los paneles laterales (D) en la caja de pedales (C).

Antes de instalar la caja de pedales, desate y enderezca el cable plegado unido a la parte inferior de la caja de pedales. No tire la abrazadera de vinilo, porque la necesitará en el paso **5** de más adelante.
Ponga la caja de pedales en la parte superior de las ménsulas acopladas a los paneles laterales (D), y acople empleando los cuatro tornillos de cabeza redonda de 6 x 20 mm ❶; dos tornillos en cada lado. Asegúrese de que el pedal se extiende en la misma dirección que la pata.





3 Attach the rear panel (B).

With the rear panel slightly angled as shown in the illustration, lower it onto the feet's protruding edge at the rear of the pedal box. Then, while eliminating any gaps between the rear and side panels, secure the top of the rear panel to the side panel brackets using two 4 x 12 mm round-head screws ❷. Finally, secure the bottom of the rear panel to the pedal box using four 4 x 20 mm tapping screws ❸.

4 Install the main unit (A).

Place the main unit (A) on the side panels (D) with the screws on its bottom panel (toward the rear of the main unit) just behind the grooves in the brackets located at the top of the side panels. Then slide the main unit forward until it stops. **WATCH YOUR FINGERS WHEN DOING THIS!!**

Align the holes on the bottom panel of the main unit with the holes in the brackets on the side panels (also center the main unit to produce equal clearance on the left and right sides, as shown in the illustration), then screw in and securely tighten the four 6 x 16 millimeter flat-head screws ❹.

⚠CAUTION

- *Do not hold the keyboard in any position other than the position shown in the above illustration.*
- *Fingers can become pinched between the main unit and the rear or side panels, be extra careful so as not to drop the main unit.*

5 Connect the pedal cord.

The pedal cord from the pedal box must be plugged into the PEDAL connector on the rear of the main unit. Once connected, attach the cord holders to the rear panel as shown, then clip the cord into the holders.

3 Montieren Sie die Rückwand (B).

Setzen Sie die Rückwand leicht abgewinkelt, wie in der Abbildung gezeigt, hinter dem Pedalkasten auf die hervorspringenden Teile der Füße auf. Schrauben Sie dann die Rückwand oben mit zwei 4 x 12 mm Halbrundschrauben ❷ so an den Seitenwänden fest, daß kein Spiel zwischen Rückwand und Seitenwänden verbleibt. Schrauben Sie die Rückwand abschließend noch mit vier 4 x 20 mm Schneidschrauben ❸ an den Pedalkasten.

4 Montieren Sie die Tastatureinheit (A).

Setzen Sie die Tastatureinheit (A) so auf den fertigen Ständer, daß die beiden Schrauben an ihrer Unterseite hinter den Winkelblechen mit Führungsschlitz an der Hinterseite des Ständers zu liegen kommen. Schieben Sie die Tastatureinheit dann bis zum Anschlag in die Schlitze. **KLEMMEN SIE IHRE FINGER DABEI NICHT EIN!!**

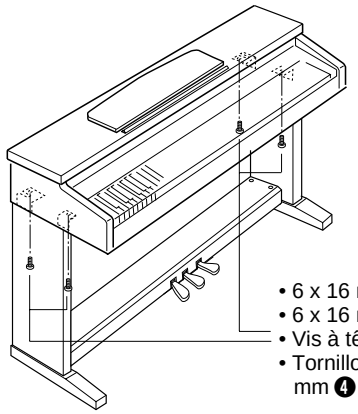
Richten Sie die Schraubenbohrungen an der Unterseite der Tastatureinheit mit den Bohrungen der Winkelbleche aus (achten Sie auch darauf, daß sie mittig auf dem Ständer steht, wie in der Abbildung gezeigt). Schrauben Sie die Tastatureinheit dann mit den vier 6 x 16 mm Senkschrauben ❹ am Ständer fest.

⚠VORSICHT

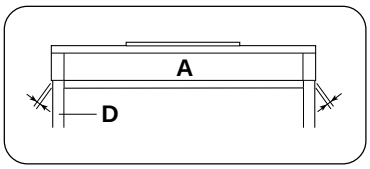
- *Halten Sie die Tastatureinheit nur wie in der obigen Abbildung!*
- *Achten Sie darauf, daß Sie Ihre Finger nicht zwischen Tastatureinheit und den Seitenwänden bzw. der Rückwand einklemmen — die Tastatureinheit könnte dadurch zu Fall kommen!*

5 Schließen Sie das Pedalkabel an.

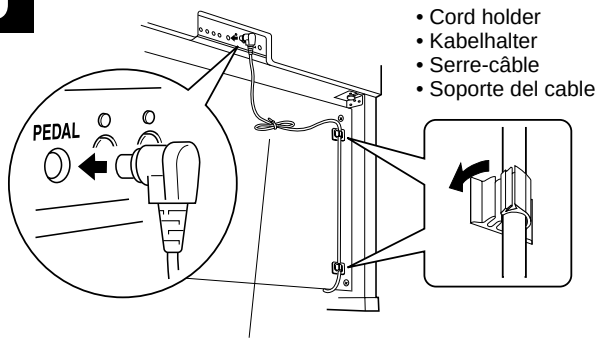
Das vom Pedalkasten kommende Kabel muß in die PEDAL-Buchse an der Rückwand der Haupteinheit gesteckt werden. Befestigen Sie dann die Kabelhalter an der Rückwand wie in der Abbildung gezeigt, und klemmen Sie das Kabel in diese Halter.



- 6 x 16 mm flat-head screws ❹
- 6 x 16 mm Senkschrauben ❹
- Vis à tête plate de 6 x 16 mm ❹
- Tornillos de cabeza plana de 6 x 16 mm ❹



5



- Cord holder
- Kabelhalter
- Serre-câble
- Soporte del cable

- Use the vinyl tie that was removed from the bundled pedal cord in step **2** to tie up any slack in the pedal cord.
- Nehmen Sie überlanges Kabel mit dem in Schritt **2** entfernten Kabelbinder auf.
- Utilisez l'attache en vinyle qui a été enlevée du cordon de pédalier à l'étape **2** pour attacher le fil excédentaire du cordon de pédalier.
- Emplee la abrazadera de vinilo que se sacó del cale plegado de los pedales en el paso **2** para fijar el cable de pedales sobrante.

3 Fixez le panneau arrière (B)

En inclinant légèrement en angle le panneau arrière, comme mentionné sur l'illustration, abaissez-le sur le rebord des pieds, à l'arrière du pédalier. Puis, tout en éliminant les espaces entre les panneaux arrière et latéraux, fixez le haut du panneau arrière sur les supports des panneaux latéraux à l'aide de deux vis à tête ronde 4 x 12 mm ❷. Et finalement, fixez le bas du panneau arrière au pédalier avec quatre vis auto-taraudeuses 4 x 20 mm ❸.

4 Posez le clavier (A)

Placez le clavier sur les panneaux latéraux (D), avec les vis de son panneau inférieur (situées vers l'arrière du clavier) placées immédiatement derrière les rainures des ferrures situées à la partie supérieure des panneaux latéraux (D), puis faites glisser le clavier vers l'avant jusqu'à ce qu'il vienne en butée. **FAITES ATTENTION A VOS DOIGTS EN EXECUTANT CETTE OPERATION!!** Alignez les trous du panneau inférieur du clavier sur les trous des ferrures des panneaux latéraux (centrez également le clavier de manière à avoir un jeu identique de chaque côté) puis posez et serrez à fond les quatre vis à tête plate de 6 x 16 millimètres ❹.

⚠PRECAUTION

- *Ne tenez pas le clavier d'une autre manière que celle indiquée sur l'illustration ci-dessus.*
- *Attention car vous risquez de vous faire pincer les doigts entre le clavier et les panneaux arrière ou latéraux de sorte que vous devez veiller à ne pas faire tomber le clavier.*

5 Raccordez le cordon du pédalier

Le câble qui sort du pédalier doit être branché sur le connecteur PEDAL (PEDALE) à l'arrière du clavier. Une fois raccordé, fixez les serre-fils sur le panneau arrière, comme indiqué, puis faites passer le câble dans les serre-fils.

3 Monte el panel trasero (B).

Con el panel trasero un poco inclinado en ángulo como se muestra en la ilustración, bájelo al borde saliente de las patas de la parte posterior de la caja de pedales. Entonces, mientras elimina los huelgos entre los paneles trasero y lateral, fije la parte superior del panel trasero a las ménsulas de panel lateral usando dos tornillos de cabeza redonda de 4 x 12 mm ❷. Finalmente, fije la parte inferior del panel trasero a la caja de pedales usando cuatro tornillos de autoenrosque de 4 x 20 mm ❸.

4 Instale la unidad principal (A).

Coloque la unidad principal en los paneles laterales (D) con los tornillos de su panel inferior (hacia la parte posterior de la unidad principal) justo detrás de las ranuras de la ménsula ubicada en la parte superior de los paneles laterales (D), después deslice el teclado hacia adelante hasta que se pare. **¡TENGA CUIDADO CON SUS DEDOS MIENTRAS LO HACE!**

Alinee los orificios del panel inferior de la unidad principal con los orificios de las ménsulas de los paneles laterales (también centre la unidad principal para producir una holgura igual en los lados derecho e izquierdo, como se muestra en la ilustración), después enrosque y apriete bien los cuatro tornillos de cabeza plana de 6 x 16 mm ❹.

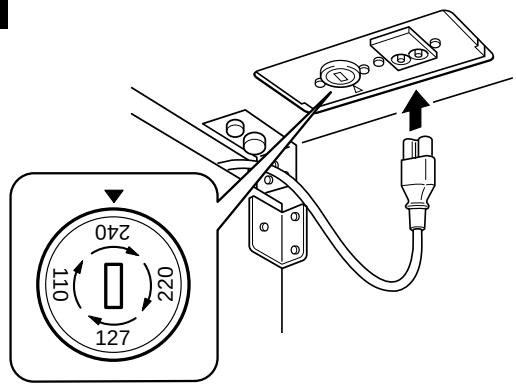
⚠CUIDADO

- *No sostenga el teclado en ninguna posición que no sea la posición mostrada en la ilustración de arriba.*
- *Podría pillarse los dedos ente la unidad principal y los paneles traseros o laterales, por lo que deberá tener mucho cuidado que no se caiga la unidad principal.*

5 Conecte el cable de los pedales.

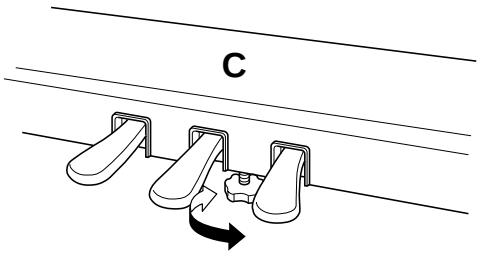
El cable de los pedales procedente de la caja de pedales debe conectarse al conector PEDAL (pedales) situado en la parte posterior de la unidad principal. Una vez conectado, coloque los soportes de cable en el panel trasero de la manera mostrada en la figura y enganche el cable en los soportes.

6



- A voltage selector is provided in some areas.
- Spannungswähler (nur in bestimmten Verkaufsgebieten)
- Un sélecteur de tension est prévu pour certaines régions
- El selector de tensión está provisto para ciertos destinos.

7



6 Voltage Selector

Before connecting the AC power cord, check the setting of the voltage selector which is provided in some areas. To set the selector for 110V, 127V, 220V or 240V main voltages, use a "minus" screwdriver to rotate the selector dial so that the correct voltage for your region appears next to the pointer on the panel. The voltage selector is set at 240V when the unit is initially shipped.

After the proper voltage has been selected, slide the AC power cord over the rear panel and connect the cord to the AC INLET, then connect the other end of the cord to an AC wall outlet. A plug adaptor may be also provided in some areas to match the pin configuration of the AC wall outlets in your area.

⚠CAUTION

- *An improper voltage setting can cause serious damage to the CVP-103 or result in improper operation.*

7 Set the adjuster.

For stability, an adjuster is provided on the bottom of the pedal box (C). Rotate the adjuster until it comes in firm contact with the floor surface. The adjuster ensures stable pedal operation and facilitates pedal effect control. If the adjuster is not in firm contact with the floor surface, distorted sound may result.

■ After completing the assembly, please check the following.

- Are there any parts left over?
  - ➔ Review the assembly procedure and correct any errors.
- Is the Clavinova clear of doors and other movable fixtures?
  - ➔ Move the Clavinova to an appropriate location.
- Does the Clavinova make a rattling noise when you shake it?
  - ➔ Tighten all screws.
- Does the pedal box rattle or give way when you step on the pedals?
  - ➔ Turn the adjuster so that it is set firmly against the floor.
- Are the pedal and power cords inserted securely into the sockets?
  - ➔ Check the connection.
- If the main unit creaks or is otherwise unsteady when you play on the keyboard, refer to the assembly diagrams and retighten all screws.

6 Den Spannungswähler einstellen.

Bevor Sie nun das Netzkabel anschließen, müssen Sie den Spannungswähler (falls vorhanden) auf die örtliche Netzspannung einstellen. Zum Verstellen drehen Sie den Spannungswähler mit einem Schlitzschraubendreher, bis der richtige Spannungswert (110, 127, 220 oder 240) an der Pfeilmarkierung steht. Bei der Auslieferung werden alle Instrumente mit Spannungswähler auf "240" voreingestellt. Wenn Sie die geeignete Spannung ausgewählt haben, führen Sie das Netzkabel über die Rückwand und stecken ein Ende des Netzkabels in die Gerätebuchse AC INLET (Wechselstrom-Anschluß) und das andere Ende in eine Wandsteckdose.

Einigen Geräten ist ein Adapter zum Anschließen an Wandsteckdosen mit einer anderen Anschlußbelegung beigepackt.

⚠VORSICHT

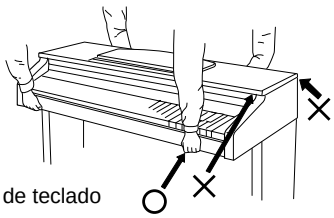
- *Ein falsch eingestellter Spannungswähler kann zur Beschädigung des CVP-103 führen oder zu einem unsachgemäßen Betrieb.*

7 Justieren Sie schließlich noch den Höhenversteller.

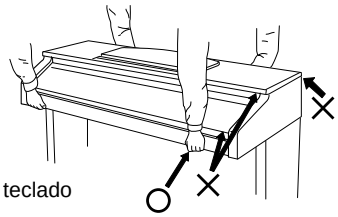
Zur Stabilisierung ist an der Unterseite des Pedalkastens (C) ein Höhenversteller vorgesehen. Schrauben Sie den Höhenversteller heraus, bis er fest auf dem Fußboden steht. Der Höhenversteller sorgt für stabile Pedalbetätigung und ermöglicht eine präzise Regelung des Betätigungshubs. Wenn er nicht fest auf dem Boden steht, können beim Treten der Pedale Klangverzerrungen auftreten.

■ Wenn der Zusammenbau beendet ist, prüfen Sie bitte folgende Dinge:

- Sind Teile übrig geblieben?
  - ➔ Gehen Sie den Vorgang des Zusammenbaus noch einmal durch und korrigieren Sie eventuelle Fehler.
- Befindet sich das Clavinova weit genug von Türen und anderen beweglichen Vorrichtungen entfernt?
  - ➔ Bewegen Sie das Clavinova an einen entsprechend sicheren Ort.
- Macht das Clavinova Klappergeräusche, wenn Sie es schütteln?
  - ➔ Ziehen Sie alle Schrauben fest.
- Klappert der Pedalkasten oder gibt er nach, wenn Sie das Pedal treten?
  - ➔ Drehen Sie den Höhenversteller, bis er fest auf dem Fußboden steht.
- Sind Pedal-und Netzkabel richtig an den Buchsen angeschlossen?
  - ➔ Prüfen Sie die Verbindung.
- Wenn die Tastatureinheit knarrt oder beim Spielen wackelt, betrachten Sie die Abbildungen und ziehen Sie alle Schrauben noch einmal nach.



• Models without keyboard cover
• Modelle ohne Tastaturabdeckung
• Modèles sans couvercle
• Modelos desprovistos de cubierta de teclado



• Models with keyboard cover
• Modelle mit Tastaturabdeckung
• Modèles avec couvercle
• Modelos provistos de cubierta de teclado

⚠CAUTION

- *When moving the instrument after assembly, always hold the lower surface of the main unit, NEVER the top portion or keyboard cover. Improper handling can result in damage to the instrument or personal injury.*

⚠VORSICHT

- *Fassen Sie zum Umstellen des Instruments nach dem Zusammenbau stets unter das Gehäuse; heben Sie es NIEMALS am oberen Teil oder an der Tastaturabdeckung. Bei Nichtbeachtung dieses Punkts kann das Instrument beschädigt und im Extremfall eine Verletzung hervorgerufen werden.*

⚠PRECAUTION

- *Pour déplacer l'instrument après le montage, toujours tenir l'instrument par la surface inférieure, JAMAIS par le dessus ou le couvercle. Une mauvaise manipulation peut provoquer des dommages ou des blessures.*

⚠CUIDADO

- *Cuando mueva el instrumento después del montaje, sujete siempre la unidad principal por su superficie inferior, NUNCA por la parte superior ni por la cubierta del teclado. La manipulación indebida puede causar daños al instrumento o lesiones al usuario.*

6 Sélecteur de tension

Avant de connecter le cordon d'alimentation, vérifiez le réglage du sélecteur de tension qui est prévu pour certaines régions. Pour régler le sélecteur sur 110 V, 127 V, 220 V ou 240 V, utilisez un tournevis à lame plate pour tourner le cadran du sélecteur afin de mettre l'indication correspondant à la tension de votre région vis à vis du repère triangulaire situé sur le panneau. Le sélecteur de tension est réglé sur 240 V au départ d'usine.

Après avoir sélectionné la tension qui convient, faites glisser le câble d'alimentation de CA par dessus le panneau arrière et branchez-le dans l'AC INLET (prise de CA), puis branchez l'autre extrémité dans une prise murale de CA. Vous pouvez également dans certains cas avoir recours à un adaptateur de prise en fonction de la configuration des prises murales de CA de votre pays.

⚠PRECAUTION

- *Un mauvais réglage de la tension peut gravement endommager le CVP-103 ou entraîner des dysfonctionnements.*

7 N'oubliez pas de régler la hauteur du pédalier

Pour assurer la stabilité du pédalier (C), un dispositif de réglage a été prévu à sa partie inférieure. Tournez ce dispositif jusqu'à ce qu'il soit en contact ferme avec la surface du sol. Ce dispositif assure la stabilité du pédalier lors de son utilisation et facilite la commande au pied des effets. Si ce dispositif n'est pas en contact ferme avec le sol, il pourra se produire une distorsion du son.

■ Lorsque le montage est terminé, veuillez mener à bien les vérifications suivantes.

- Reste-t-il des pièces non utilisées?
  - ➔ Passer en revue la procédure de montage et corriger toute erreur éventuelle.
- Le Clavinova est-il placé à l'écart des portes et de toute autre structure mobile?
  - ➔ Déplacer le Clavinova vers un emplacement approprié.
- Lorsque vous secouez quelque peu le Clavinova, entendez-vous un cliquetis?
  - ➔ Serrer convenablement toutes les vis.
- Le pédalier fait-il du bruit ou s'écarte-t-il lorsque vous appuyez sur les pédales?
  - ➔ Tourner le stabilisateur de sorte que le Clavinova repose fermement sur le sol.
- Les cordons des pédales et d'alimentation sont-ils bien enfoncés dans les prises?
  - ➔ Vérifier toutes les connexions.
- Si la partie principale de l'appareil craque ou est instable lorsque vous jouez sur le clavier, consulter les diagrammes de montage et resserrer toutes les vis.

6 Selector de tensión

Antes de conectar el cable de alimentación de CA, compruebe el ajuste del selector de tensión que se incorpora para ciertos destinos. Para ajustar el selector a 110V, 127V, 220V ó 240V de la red de alimentación, emplee un destornillador de cabeza recta "-" para girar el selector de modo que la tensión correcta de su zona aparezca al lado del indicador del panel. El selector de tensión se ajusta a 240V cuando la unidad sale de fábrica.

Cuando haya seleccionado la tensión correcta, deslice el cable de alimentación por encima del panel trasero y conéctelo a la toma AC INLET (entrada de CA); a continuación, conecte el otro extremo del cable a una toma de corriente. En algunos países también podrá suministrarse un adaptador de clavija para permitir su conexión a las tomas de corriente locales.

⚠CUIDADO

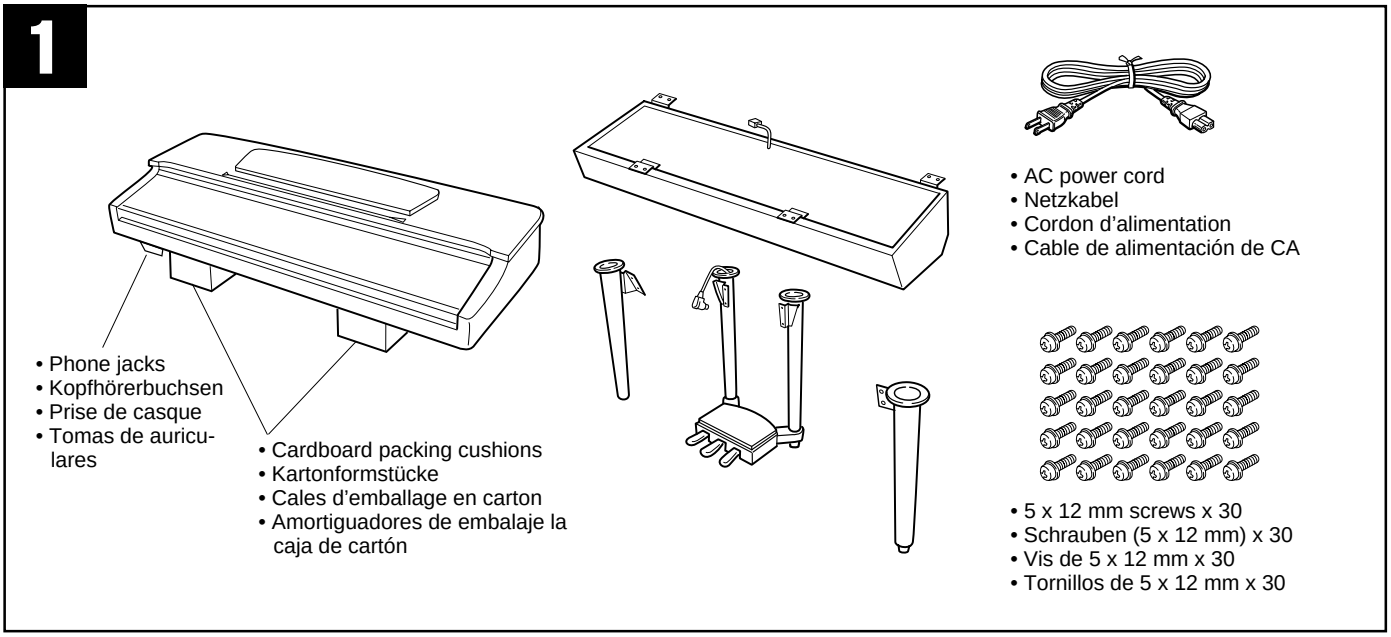
- *Un ajuste incorrecto de la tensión podrá ocasionar daños graves al instrumento CVP-103 o provocar un funcionamiento defectuoso.*

7 Asegúrese de ajustar el ajustador.

Para la estabilidad del aparato, se proporciona un ajustador en la parte inferior de la caja de pedales (C). Gire el ajustador hasta que contacte firmemente con el suelo. El ajustador asegura una operación estable de los pedales y facilita el control del efecto de los pedales. Si el ajustador no contacta firmemente con el suelo, puede resultar en sonido distorsionado.

■ Cuando haya concluido el montaje, compruebe los siguientes puntos:

- ¿Ha quedado alguna pieza sin instalar?
  - ➔ Revise el procedimiento de montaje y corrija cualquier error que se haya podido cometer.
- ¿Está el Clavinova alejado del recorrido de puertas y muebles?
  - ➔ Traslade el Clavinova a una posición adecuada.
- ¿Suena algún ruido de holgura cuando se mueve el Clavinova?
  - ➔ Apriete con firmeza todos los tornillos.
- ¿Vibra o cede la caja de pedales cuando se pisan los pedales?
  - ➔ Gire el estabilizador hasta que apoye firmemente sobre el suelo.
- ¿Están perfectamente insertados los cables de pedal y alimentación en los conectores?
  - ➔ Revise las conexiones.
- Si la unidad principal cruje o presenta algún signo de inestabilidad cuando se toca el teclado, consulte los esquemas de montajee y vuelva a apretar todos los tornillos.



CVP-105: Assembly

⚠CAUTION

- *Be careful not to confuse parts, and be sure to install all parts in the correct direction. Please assemble in accordance with the sequence given below.*
- *Assembly should be carried out by at least two persons.*
- *Be sure to use the correct screw size, as indicated above. Use of incorrect screws can cause damage.*
- *Be sure to tighten up all screws upon completing assembly of each unit.*
- *To disassemble, reverse the assembly sequence given below.*

1 Open the box and remove all the parts.

Take out the two cardboard packing cushions and place them on the floor. Then take out main unit and place it on top of the packing cushions. Position the cushions so as to protect the phone jacks on the base of the unit.
Remove all parts from the box. Confirm that all parts shown in the illustration above are provided.

⚠CAUTION

- *When you lift the pedal box assembly, make sure that you lift by both legs.*

2 Carefully lean the main unit against a wall.

To make it easier to install the legs, place a soft blanket or similar material on the floor near a wall, close the Clavinova keyboard cover, place the front panel of the Clavinova (the side with the keyboard) on the blanket and gently lean the unit against the wall — **MAKING SURE THAT IT CAN NOT FALL** — as shown in the illustration.

⚠CAUTION

- *Do not lay the main unit upside-down on the floor.*

3 Attach the front legs.

Securely attach the two front legs using three screws for each leg (use a Philips "+" screwdriver) as shown in the illustration. Make sure that the screws are firmly tightened.

CVP-105: Zusammenbau

⚠VORSICHT

- *Achten Sie darauf, die Teile nicht zu verwechseln, und installieren Sie alle Teile in der richtigen Ausrichtung. Gehen Sie beim Zusammenbau bitte in der angegebenen Reihenfolge vor.*
- *Die Montage sollte von mindestens zwei Personen vorgenommen werden.*
- *Achten Sie darauf, die richtige Schraubengröße zu verwenden, wie es oben gezeigt ist. Die Verwendung der falschen Schrauben kann zu Schäden führen.*
- *Achten Sie während der Montage darauf, bei jedem Arbeitsgang alle Schrauben festzuziehen.*
- *Für die Demontage muß die angegebene Reihenfolge umgekehrt befolgt werden.*

1 Den Versandkarton öffnen und alle Teile auspacken.

Nehmen Sie die beiden Kartonformstücke heraus, und legen Sie sie auf den Boden. Nehmen Sie dann die Haupteinheit heraus, und stellen Sie sie auf die abgelegten Formstücke. Positionieren Sie die Formstück dabei so, daß die Kopfhörerbuchsen unten am Instrument nicht beschädigt werden können. Vergewissern Sie sich, daß alle in der obigen Abbildung aufgeführten Teile vollzählig vorhanden sind.

⚠VORSICHT

- *Halten Sie die Pedalkasten-Baugruppe beim Heben stets an beiden Beinen.*

2 Die Haupteinheit vorsichtig an eine Wand lehnen.

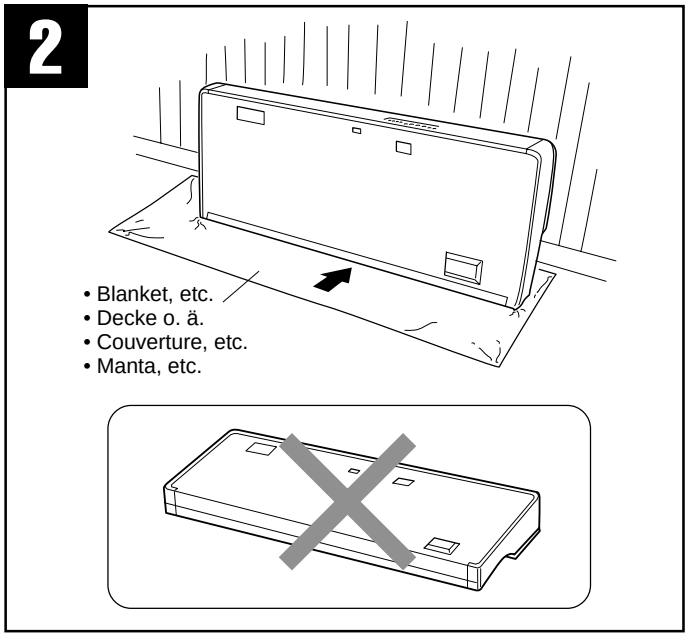
Um das Anschrauben der Beine zu erleichtern, breiten Sie eine Decke oder ein weiches Tuch neben der Wand auf dem Boden aus, schließen die Tastaturabdeckung des Clavinova, stellen das Instrument mit der Vorderkante (Seite mit der Tastatur) vorsichtig auf die Decke und lehnen es an die Wand, wie in der Abbildung gezeigt. **VERGEWISSERN SIE SICH, DASS DAS INSTRUMENT NICHT KIPPEN ODER WEGRUTSCHEN KANN!**

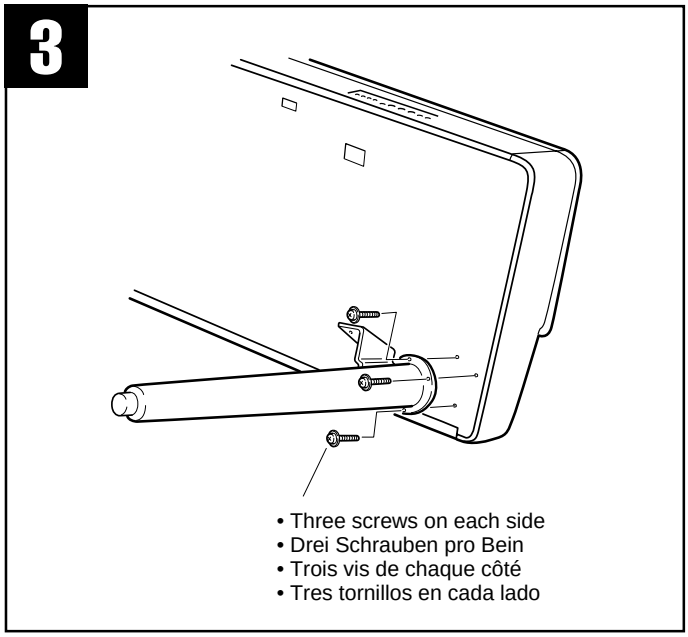
⚠VORSICHT

- *Legen Sie die Haupteinheit nicht mit der Oberseite nach unten auf den Boden!*

3 Die vorderen Beine montieren.

Schrauben Sie die beiden vorderen Beine mit jeweils drei Schrauben (Kreuzschlitzschraubendreher verwenden!) gut am Clavinova fest, wie in der Abbildung gezeigt. Ziehen Sie die Schrauben fest an.





CVP-105: Montage

⚠PRECAUTION

- *Veiller à ne pas mélanger les pièces et à les installer dans le sens correct. Veuillez assembler l'instrument dans l'ordre indiqué ci-dessous.*
- *La présence de deux personnes minimum est nécessaire pour procéder au montage.*
- *Toujours utiliser des vis aux dimensions correctes, comme indiqué cidessus. l'utilisation de vis aux dimensions incorrectes pourrait en effet endommager l'instrument.*
- *Resserrer convenablement toutes les vis après le montage de chaque élément.*
- *Pour démonter le Clavinova, inverser l'ordre des indications données ci-dessous.*

1 Ouvrez le carton et retirez toutes les pièces.

Sortez les deux cales d'emballage en carton et placez-les sur le sol. Puis sortez le clavier et placez-le sur ces cales. Positionnez les cales de manière à protéger la prise de casque d'écoute sur la base du clavier. Vérifiez que toutes les pièces qui figurent sur l'illustration sont bien fournies.

⚠PRECAUTION

- *Lorsque vous soulevez l'ensemble de boîtier de pédale, soulevez-le par les deux bords.*

2 Appuyez le clavier contre un mur en faisant très attention.

Pour faciliter la pose des pieds, placez une couverture épaisse, ou un matériau similaire, sur le plancher à proximité d'un mur. Fermez le protège-clavier et placez la face avant du Clavinova (côté clavier) sur la couverture et appuyez ensuite le clavier contre le mur de la manière illustrée. **ASSUREZ-VOUS QU'IL NE PEUT PAS TOMBER**.

⚠PRECAUTION

- *Ne posez pas le clavier à l'envers sur le sol.*

3 Posez les pieds avant.

Fixez les deux pieds avant en utilisant trois vis par pied (utilisez un tournevis cruciforme "+") comme illustré. Vérifiez que les vis sont serrées à fond.

CVP-105: Montaje

⚠CUIDADO

- *Observe cuidado para no confundir las piezas, y asegúrese de montar todas ellas en el sentido correcto. Proceda al montaje en el orden indicado a continuación.*
- *El montaje deberá realizarse al menos por dos personas.*
- *Procure utilizar los tornillos del tamaño adecuado, según se indica arriba. El empleo de tornillos inadecuados puede ocasionar daños en el instrumento.*
- *Asegúrese de apretar bien todos los tornillos después de montar cada unidad.*
- *Para desmontar las unidades, invierta la secuencia de montaje facilitada a continuación.*

1 Abra la caja y extraiga todas las partes.

Saque los dos amortiguadores de embalaje de la caja de cartón y póngalos en el suelo. Entonces, saque la unidad principal y póngala encima de los amortiguadores de embalaje. Coloque los amortiguadores de modo que protejan las tomas de auriculares de la base de la unidad. Extraiga todas las partes de la caja. Confirme que están incluidas todas las partes que se muestran en la ilustración de arriba.

⚠CUIDADO

- *Cuando levante el conjunto de la caja de pedales, asegúrese de que levanta ambas patas.*

2 Incline con cuidado la unidad principal contra una pared.

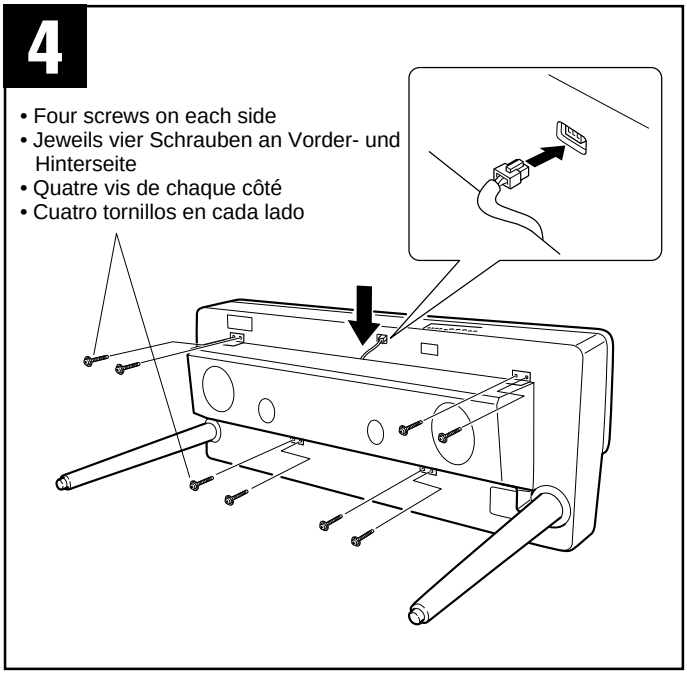
Para facilitar la instalación de las patas, coloque una manta blanda o un material semejante sobre el piso cerca de una pared, cierre la cubierta del teclado de la Clavinova, coloque el panel frontal de la Clavinova (el lado con el teclado) sobre la manta e incline con cuidado la unidad contra la pared — **ASEGURANDOSE DE QUE NO PUEDA CAERSE** — como se muestra en la ilustración.

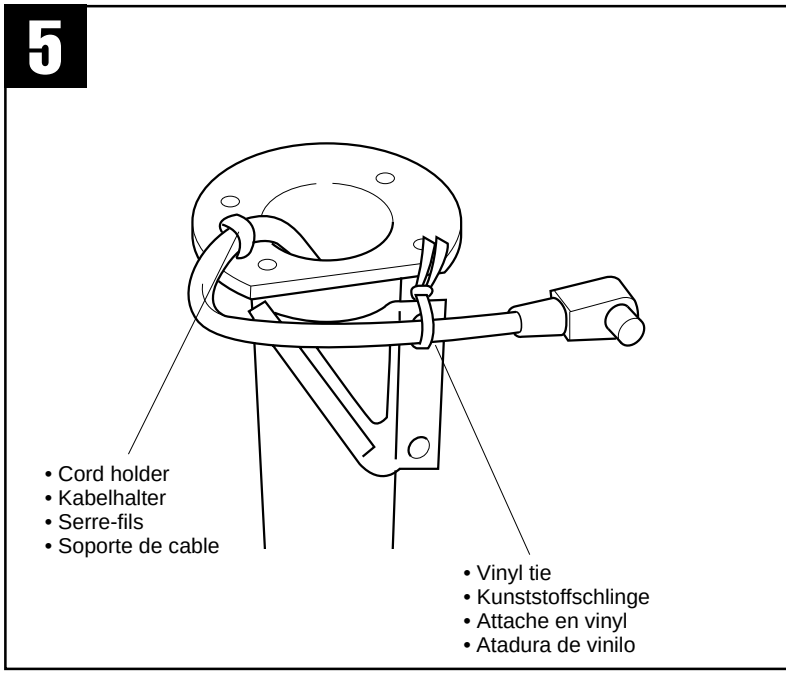
⚠CUIDADO

- *No ponga la unidad principal al revés sobre el suelo.*

3 Coloque las patas delanteras.

Fije las dos patas delanteras usando tres tornillos para cada pata (emplee un destornillador de cabeza en cruz "+") como se muestra en la ilustración. Asegúrese de que los tornillos queden bien apretados.





4 Attach the speaker box.

Gently rest the speaker box onto the corresponding brackets on the front legs. Make sure the speaker cord is extending out from the rear of the speaker box. Loosely secure the speaker box to the main keyboard unit using four screws on both the front and back. (The speaker will be secured in step **5**.) Insert the speaker cord connector into the corresponding socket on the main keyboard unit, making sure that the protruding clip on the connector is facing up.

5 Attach the pedal box assembly.

First, remove the vinyl tie from the left leg. Make sure you don't remove the cord holder on the top of the left leg. Using 6 screws for each leg (four screws per leg and two screws on each leg bracket) loosely secure the rear leg and pedal box assembly making sure that the pedal cord on the left leg protrudes from the cut hole on the underside of the main unit. Once loosely attached, go back and firmly tighten all 12 screws on the rear leg and pedal assembly, and also secure the 8 screws on the speaker box. After the rear leg and pedal assembly is securely attached, insert the pedal cord plug into the PEDAL connector on the rear panel.

6 Secure the speaker box.

Stand the main unit on its legs and securely attach the speaker box to the bracket on the front legs using two screws for each bracket. If it is impossible to align the bracket holes with the speaker box holes, slightly loosen the three screws on each of the front legs, align the holes, and secure the speaker box. After the speaker box is firmly attached, retighten the screws on the front legs firmly.

4 Den Lautsprecherkasten montieren.

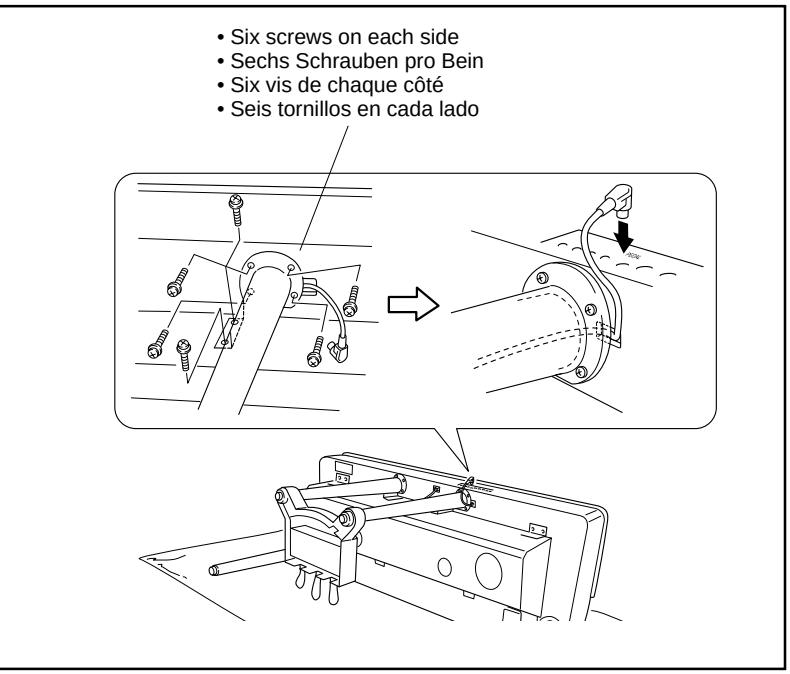
Setzen Sie den Lautsprecherkasten vorsichtig auf die Halterungen an den vorderen Beinen. Das Lautsprecherkabel muß an der Hinterseite (d.h. oben) aus dem Lautsprecherkasten ragen. Befestigen Sie die Lautsprecherbox provisorisch mit jeweils vier Schrauben vorn und hinten an der Haupttastatur, ohne die Schrauben anzuziehen. (Die endgültige Befestigung des Lautsprechers erfolgt in Schritt **5**.) Schließen Sie dann das Lautsprecherkabel an die Buchse der Haupteinheit an (die Führungsnase am Stecker muß dabei nach oben weisen).

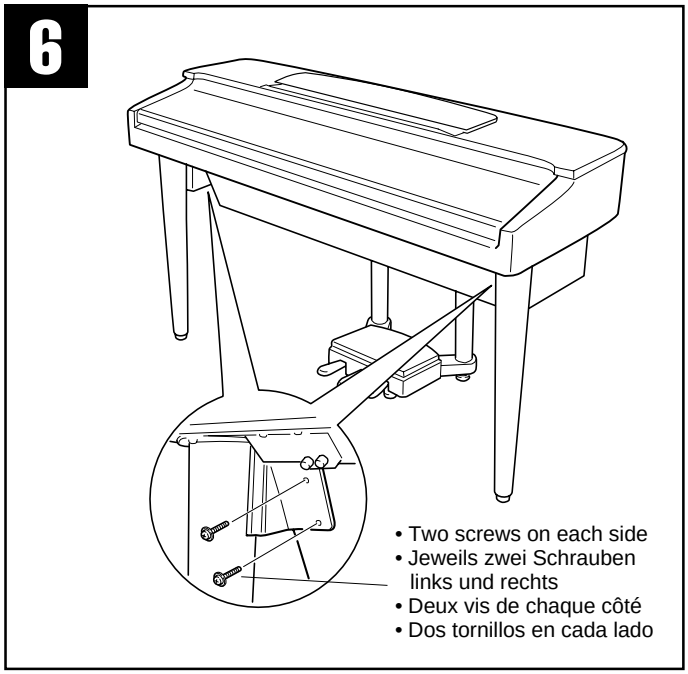
5 Die Pedalkastengruppe montieren.

Lösen Sie zuerst die Kunststoffschlinge am linken Bein. Vergewissern Sie sich, daß Sie nicht versehentlich die Kabelhalterung am linken Bein oben entfernen. Verschrauben Sie dann die hinteren Beine und die Pedalkastengruppe mit sechs Schrauben pro Bein (jeweils vier für ein Bein und zwei für die Halterung am Bein), ohne dabei die Schrauben fest anzuziehen; auf diese Weise ragt das am linken Bein befindliche Pedalkabel an der Aussparung auf der Unterseite der Haupteinheit hervor. Nun können Sie alle 12 Schrauben an der Hinterbein-/Pedalbaugruppe und die 8 Schrauben zur Befestigung der Lautsprecherbox fest anziehen. Stecken Sie nun noch den Pedalkabelstecker in die PEDAL-Buchse an der Rückwand.

6 Den Lautsprecherkasten an den vorderen Beinen sichern.

Stellen Sie das Instrument nun auf seine Beine, um den Lautsprecherkasten zusätzlich mit jeweils zwei Schrauben an die Halterungen der beiden vorderen Beine zu schrauben. Sollten die Schraubenbohrungen nicht zur Deckung gebracht werden können, lösen Sie die Befestigungsschrauben der vorderen Beine ein wenig. Nach Festschrauben des Lautsprecherkastens dürfen Sie jedoch nicht vergessen, die Schrauben der Beine wieder fest anzuziehen.





4 Posez la boîte des haut-parleurs.

Poser la boîte des haut-parleurs sur les ferrures correspondantes des pieds avant. Assurez-vous que le cordon des haut-parleurs sort de l'arrière de la boîte. Fixez de façon lâche le boîtier du haut-parleur à l'unité principale du clavier en utilisant quatre vis à l'avant et à l'arrière. (Voir étape **5** pour fixation du haut-parleur.) Branchez le connecteur du câble des haut-parleurs à la prise correspondante du clavier en veillant à ce que la partie en saillie du connecteur soit dirigée vers le haut.

5 Fixez le pédalier.

Tout d'abord, retirez l'attache en vinyl du pied gauche en prenant garde à ne pas retirer le serre-fils situé au-dessus. En utilisant 6 vis pour chaque pied (4 vis par pied et 2 vis pour chaque ferrure de fixation), fixez l'ensemble pied arrière/pédalier sans trop serrer et en veillant à ce que le câble de la pédale du pied gauche dépasse de la fente située sous le clavier. Après les avoir fixés de façon lâche, resserrez fermement les 12 vis sur le montage de l'arrière-pied et de la pédale et resserrez également les 8 vis sur le boîtier du haut-parleur. Après avoir fixé l'ensemble pied arrière/pédalier, branchez la prise du câble de la pédale dans le connecteur PEDAL (PEDALE) situé sur le panneau arrière.

6 Fixer la boîte des haut-parleurs.

Mettez le clavier sur ses pieds et fixez la boîte des haut-parleurs à la ferrure de fixation des pieds avant à l'aide de deux vis par ferrure. S'il est impossible d'aligner les trous des ferrures de fixation sur les trous de la boîte des haut-parleurs, desserrez légèrement les trois vis de chaque pied avant, alignez les trous et fixez la boîte des haut-parleurs.

4 Monte la caja de altavoces.

Apoye con cuidado la caja de altavoces en las ménsulas correspondientes de las patas delanteras. Asegúrese de que el cable de altavoz se extienda desde la parte posterior de la caja del altavoz. Fije suavemente la caja del altavoz al teclado principal utilizando cuatro tornillos en la parte frontal y posterior. (El altavoz se fija en el paso **5**.) Introduzca el conector del cable de altavoces en el receptáculo correspondiente de la unidad del teclado principal, asegurándose de que el retenedor que sobresale del conector queda orientado hacia arriba.

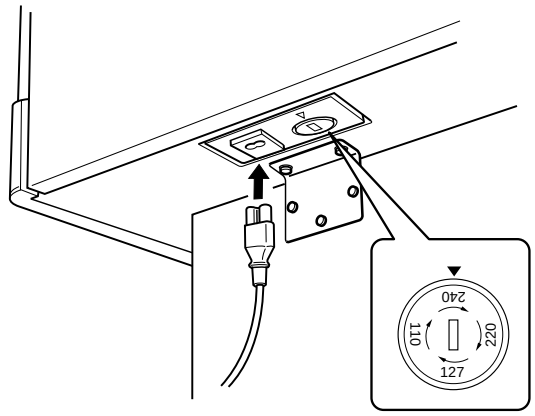
5 Monte el conjunto de la caja de pedales

En primer lugar, retire la atadura de vinilo de la pata izquierda. Asegúrese de no retirar el soporte de cable de la parte superior de la pata izquierda. Utilice 6 tornillos para cada pata (cuatro tornillos por pata y dos tornillos en cada soporte de pata) para asegurar provisionalmente el conjunto de las patas posteriores y la caja de pedales, cerciorándose de que el cable de los pedales en la pata izquierda sobresale a través del orificio de la parte inferior de la unidad principal. Una vez sujeto, vuelva y apriete firmemente los 12 tornillos del pedal y la pata posterior, así como los 8 tornillos de la caja del altavoz. Cuando el conjunto de las patas posteriores y los pedales esté bien apretado, introduzca la clavija del cable de los pedales en el conector PEDAL situado en el panel posterior.

6 Fije la caja de altavoces

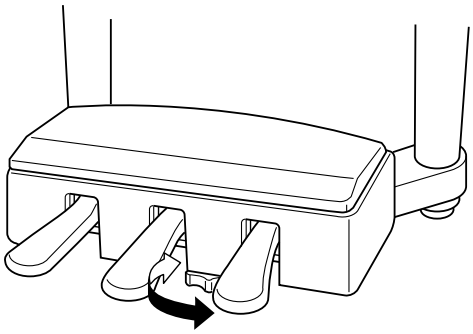
Apoye la unidad principal sobre sus patas y monte con seguridad la caja de altavoces en la ménsula de las patas delanteras usando dos tornillos para cada ménsula. Si es imposible alinear los orificios de las ménsulas con los orificios de la caja de altavoces, afloje un poco los tres tornillos de cada una de las patas delanteras, alinee los orificios, y fije la caja de altavoces. Después de haber montado firmemente la caja de altavoces, vuelva a apretar bien los tornillos de las patas delanteras.

7



- A voltage selector is provided in some areas.
- Spannungswähler (nur in bestimmten Verkaufsgebieten)
- Un sélecteur de tension est prévu pour certaines régions
- El selector de tensión está provisto para ciertos destinos.

8



7 Voltage Selector

Before connecting the AC power cord, check the setting of the voltage selector which is provided in some areas. To set the selector for 110V, 127V, 220V or 240V main voltages, use a "minus" screwdriver to rotate the selector dial so that the correct voltage for your region appears next to the pointer on the panel. The voltage selector is set at 240V when the unit is initially shipped.

After the proper voltage has been selected, connect the AC power cord to the AC INLET and an AC wall outlet. A plug adaptor may be also provided in some areas to match the pin configuration of the AC wall outlets in your area.

⚠CAUTION

- *An improper voltage setting can cause serious damage to the CVP-105 or result in improper operation.*

8 Set the adjuster.

For stability, an adjuster is provided on the bottom of the pedal box. Rotate the adjuster until it comes in firm contact with the floor surface. The adjuster ensures stable pedal operation and facilitates pedal effect control. If the adjuster is not in firm contact with the floor surface, distorted sound may result.

■ After completing the assembly, please check the following.

- Are there any parts left over?
  - ➔ Review the assembly procedure and correct any errors.
- Is the Clavinova clear of doors and other movable fixtures?
  - ➔ Move the Clavinova to an appropriate location.
- Does the Clavinova make a rattling noise when you shake it?
  - ➔ Tighten all screws.
- Does the pedal box rattle or give way when you step on the pedals?
  - ➔ Turn the adjuster so that it is set firmly against the floor.
- Are the pedal and power cords inserted securely into the sockets?
  - ➔ Check the connection.
- If the main unit creaks or is otherwise unsteady when you play on the keyboard, refer to the assembly diagrams and retighten all screws.

7 Den Spannungswähler einstellen.

Bevor Sie nun das Netzkabel anschließen, müssen Sie den Spannungswähler (falls vorhanden) auf die örtliche Netzspannung einstellen. Zum Verstellen drehen Sie den Spannungswähler mit einem Schlitzschraubendreher, bis der richtige Spannungswert (110, 127, 220 oder 240) an der Pfeilmarkierung steht. Bei der Auslieferung werden alle Instrumente mit Spannungswähler auf "240" voreingestellt. Stecken Sie nach Auswahl der geeigneten Spannung ein Ende des Netzkabels in die Gerätebuchse AC INLET (Wechselstrom-Anschluß) und das andere Ende in eine Wandsteckdose.

Einigen Geräten ist ein Adapter zum Anschließen an Wandsteckdosen mit einer anderen Anschlußbelegung beigepackt.

⚠VORSICHT

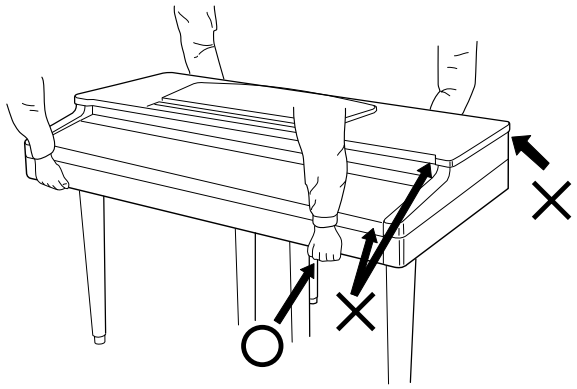
- *Ein falsch eingestellter Spannungswähler kann zur Beschädigung des CVP-105 führen oder zu einem unsachgemäßen Betrieb.*

8 Die Pedalstützen einstellen.

Zur Stabilisierung ist an der Unterseite des Pedalkastens (C) ein Höhenversteller vorgesehen. Schrauben Sie den Höhenversteller heraus, bis er fest auf dem Fußboden steht. Der Höhenversteller sorgt für stabile Pedalbetätigung und ermöglicht eine präzise Regelung des Betätigungshubs. Wenn er nicht fest auf dem Boden steht, können beim Treten der Pedale Klangverzerrungen auftreten.

■ Wenn der Zusammenbau beendet ist, prüfen Sie bitte folgende Dinge:

- Sind Teile übrig geblieben?
  - ➔ Gehen Sie den Vorgang des Zusammenbaus noch einmal durch und korrigieren Sie eventuelle Fehler.
- Befindet sich das Clavinova weit genug von Türen und anderen beweglichen Vorrichtungen entfernt?
  - ➔ Bewegen Sie das Clavinova an einen entsprechend sicheren Ort.
- Macht das Clavinova Klappergeräusche, wenn Sie es schütteln?
  - ➔ Ziehen Sie alle Schrauben fest.
- Klappert der Pedalkasten oder gibt er nach, wenn Sie das Pedal treten?
  - ➔ Drehen Sie den Höhenversteller, bis er fest auf dem Fußboden steht.
- Sind Pedal-und Netzkabel richtig an den Buchsen angeschlossen?
  - ➔ Prüfen Sie die Verbindung.
- Wenn die Haupteinheit knarrt oder beim Spielen wackelt, betrachten Sie die Abbildungen und ziehen Sie alle Schrauben noch einmal nach.



⚠CAUTION

- *When moving the instrument after assembly, always hold the lower surface of the main unit, NEVER the top portion or keyboard cover. Improper handling can result in damage to the instrument or personal injury.*

⚠VORSICHT

- *Fassen Sie zum Umstellen des Instruments nach dem Zusammenbau stets unter das Gehäuse; heben Sie es NIEMALS am oberen Teil des Gehäuses oder am Tastaturdeckel. Bei Nichtbeachtung dieses Punkts kann das Instrument beschädigt und im Extremfall eine Verletzung hervorgerufen werden.*

⚠PRECAUTION

- *Pour déplacer l'instrument après le montage, toujours tenir l'instrument par la surface inférieure, JAMAIS par sa partie supérieure ou par le protège-clavier. Une mauvaise manipulation peut provoquer des dommages ou des blessures.*

⚠CUIDADO

- *Cuando mueva el instrumento después del montaje, sostenga siempre la superficie inferior de la unidad principal, y NUNCA la parte superior de la cubierta del teclado. La manipulación indebida puede causar daños en el instrumento o personales.*

7 Sélecteur de tension

Avant de connecter le cordon d'alimentation, vérifiez le réglage du sélecteur de tension qui est prévu pour certaines régions. Pour régler le sélecteur sur 110 V, 127 V, 220 V ou 240 V, utilisez un tournevis à lame plate pour tourner le cadran du sélecteur afin de mettre l'indication correspondant à la tension de votre région vis à vis du repère triangulaire situé sur le panneau. Le sélecteur de tension est réglé sur 240 V au départ d'usine.
Après avoir sélectionné la tension qui convient, branchez le câble d'alimentation de CA dans l'AC INLET (la prise de CA) puis dans une prise murale de CA.
Vous pouvez également dans certains cas avoir recours à un adaptateur de prise en fonction de la configuration des prises murales de CA de votre pays.

⚠PRECAUTION

- *Un mauvais réglage de la tension peut gravement endommager le CVP-105 ou entraîner des dysfonctionnements.*

8 Réglez la hauteur du pédalier.

Pour assurer la stabilité du pédalier, un dispositif de réglage a été prévu à sa partie inférieure. Tournez ce dispositif jusqu'à ce qu'il soit en contact ferme avec la surface du sol. Ce dispositif assure la stabilité du pédalier lors de son utilisation et facilite la commande au pied des effets. Si ce dispositif n'est pas en contact ferme avec le sol, il pourra se produire une distorsion du son.

■ Lorsque le montage est terminé, veuillez mener à bien les vérifications suivantes.

- Reste-t-il des pièces non utilisées?
  - → Passer en revue la procédure de montage et corriger toute erreur éventuelle.
- Le Clavinova est-il placé à l'écart des portes et de toute autre structure mobile?
  - → Déplacer le Clavinova vers un emplacement approprié.
- Lorsque vous secouez quelque peu le Clavinova, entendez-vous un cliquetis?
  - → Serrer convenablement toutes les vis.
- Le pédalier fait-il du bruit ou s'écarte-t-il lorsque vous appuyez sur les pédales?
  - → Tourner le stabilisateur de sorte que le Clavinova repose fermement sur le sol.
- Les cordons des pédales et d'alimentation sont-ils bien enfoncés dans les prises?
  - → Vérifier toutes les connexions.
- Si la partie principale de l'appareil craque ou est instable lorsque vous jouez sur le clavier, consulter les diagrammes de montage et resserrer toutes les vis.

7 Selector de tensión

Antes de conectar el cable de alimentación de CA, compruebe el ajuste del selector de tensión que se incorpora para ciertos destinos. Para ajustar el selector a 110V, 127V, 220V ó 240V de la red de alimentación, emplee un destornillador de cabeza recta "-" para girar el selector de modo que la tensión correcta de su zona aparezca al lado del indicador del panel. El selector de tensión se ajusta a 240V cuando la unidad sale de fábrica.
Cuando haya seleccionado la tensión correcta, conecte el cable de alimentación al conector AC INLET (entrada de CA) y a una toma de corriente.
En algunos países también podrá suministrarse un adaptador de clavija para permitir su conexión a las tomas de corriente locales.

⚠CUIDADO

- *Un ajuste incorrecto de la tensión podrá ocasionar daños graves al instrumento CVP-105 o provocar un funcionamiento defectuoso.*

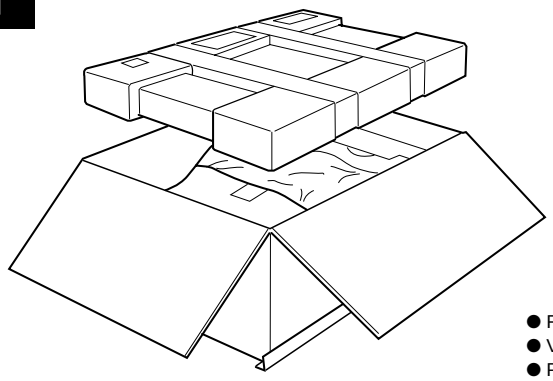
8 Ajuste los reguladores

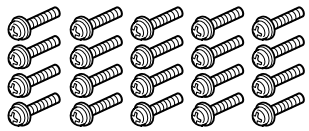
Para la estabilidad del aparato, se proporciona un ajustador en la parte inferior de la caja de pedales. Gire el ajustador hasta que contacte firmemente con el suelo. El ajustador asegura una operación estable de los pedales y facilita el control del efecto de los pedales. Si el ajustador no contacta firmemente con el suelo, puede resultar en sonido distorsionado.

■ Cuando haya concluido el montaje, compruebe los siguientes puntos:

- ¿Ha quedado alguna pieza sin instalar?
  - → Revise el procedimiento de montaje y corrija cualquier error que se haya podido cometer.
- ¿Está el Clavinova alejado del recorrido de puertas y muebles?
  - → Traslade el Clavinova a una posición adecuada.
- ¿Suena algún ruido de holgura cuando se mueve el Clavinova?
  - → Apriete con firmeza todos los tornillos.
- ¿Vibra o cede la caja de pedales cuando se pisan los pedales?
  - → Gire el estabilizador hasta que apoye firmemente sobre el suelo.
- ¿Están perfectamente insertados los cables de pedal y alimentación en los conectores?
  - → Revise las conexiones.
- Si la unidad principal cruje o presenta algún signo de inestabilidad cuando se toca el teclado, consulte los esquemas de montajee y vuelva a apretar todos los tornillos.

1



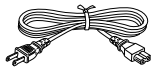


5 x 20 mm long screws
Lange Schrauben
(5 x 20 mm)
Vis longue 5 x 20 mm
Tornillos largos de 5 x 20 mm

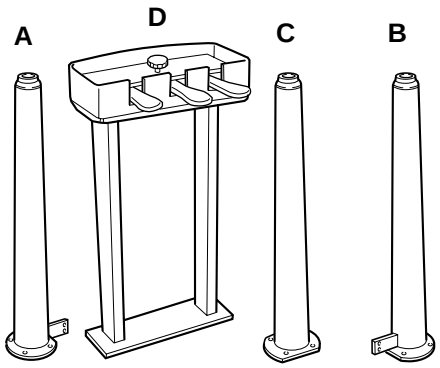
x 20

- Cord holders
- Kabelhalter
- Serre-câble
- Soportes de cable

x 2



- AC power cord
- Netzkabel
- Cordon d'alimentation
- Cable de alimentación de CA



- Front leg **A**
- Vorderes Standbein **A**
- Pied avant **A**
- Pata frontal **A**

- Front leg **B**
- Vorderes Standbein **B**
- Pied avant **B**
- Pata frontal **B**

- Rear leg **C**
- Hinteres Standbein **C**
- Pied arrière **C**
- Pata trasera **C**

- Pedal box **D**
- Pedalkasten **D**
- Pédalier **D**
- Caja de pedales **D**

CVP-700: Assembly

⚠CAUTION

- *Be careful not to confuse parts, and be sure to install all parts in the correct direction. Please assemble in accordance with the sequence given below.*
- *Assembly should be carried out by at least two persons. Attempting to assemble alone is dangerous.*
- *Be sure to use the correct screw size, as indicated above. Use of incorrect screws can cause damage.*
- *Be sure to tighten up all screws upon completing assembly of each unit.*
- *The entire package must be turned over during assembly, so select an area that is large enough for the unpacking and assembly operation.*

1 Open the carton and remove the parts from the upper level.

Referring to the illustration, make sure that you have all the required parts.

NOTE • *A bench may be supplied or optional, depending on the location in which the instrument was purchased.*

2 Attach the three legs (A, B, C).

Use scissors or a cutter to remove the packing material in which the main unit is wrapped. Then attach the legs to the bottom of the main unit using four 5 x 20 mm long screws per leg. Please refer to the illustration carefully when attaching the legs, to ensure that the positions of the (A) and (B) legs are not reversed. Also make sure that there is minimum space between the (A) and (B) leg flanges and the metal frame on the bottom of the main unit (the screws which attach the legs to this frame will be installed later, in step **6**).

CVP-700: Zusammenbau

⚠VORSICHT

- *Achten Sie darauf, die Teile nicht zu verwechseln, und installieren Sie alle Teile in der richtigen Ausrichtung. Gehen Sie beim Zusammenbau bitte in der angegebenen Reihenfolge vor.*
- *Die Montage sollte von mindestens zwei Personen vorgenommen werden. Der Versuch, das Instrument alleine aufzustellen, ist gefährlich.*
- *Achten Sie darauf, die richtige Schraubengröße zu verwenden, wie es oben gezeigt ist. Die Verwendung der falschen Schrauben kann zu Schäden führen.*
- *Achten Sie während der Montage darauf, bei jedem Arbeitsgang alle Schrauben festzuziehen.*
- *Das Instrument wird im Karton zusammengebaut und muß abschließend zum Aufstellen umgedreht werden. Achten Sie darauf, daß ausreichend Platz zum Auspacken und Aufstellen vorhanden ist.*

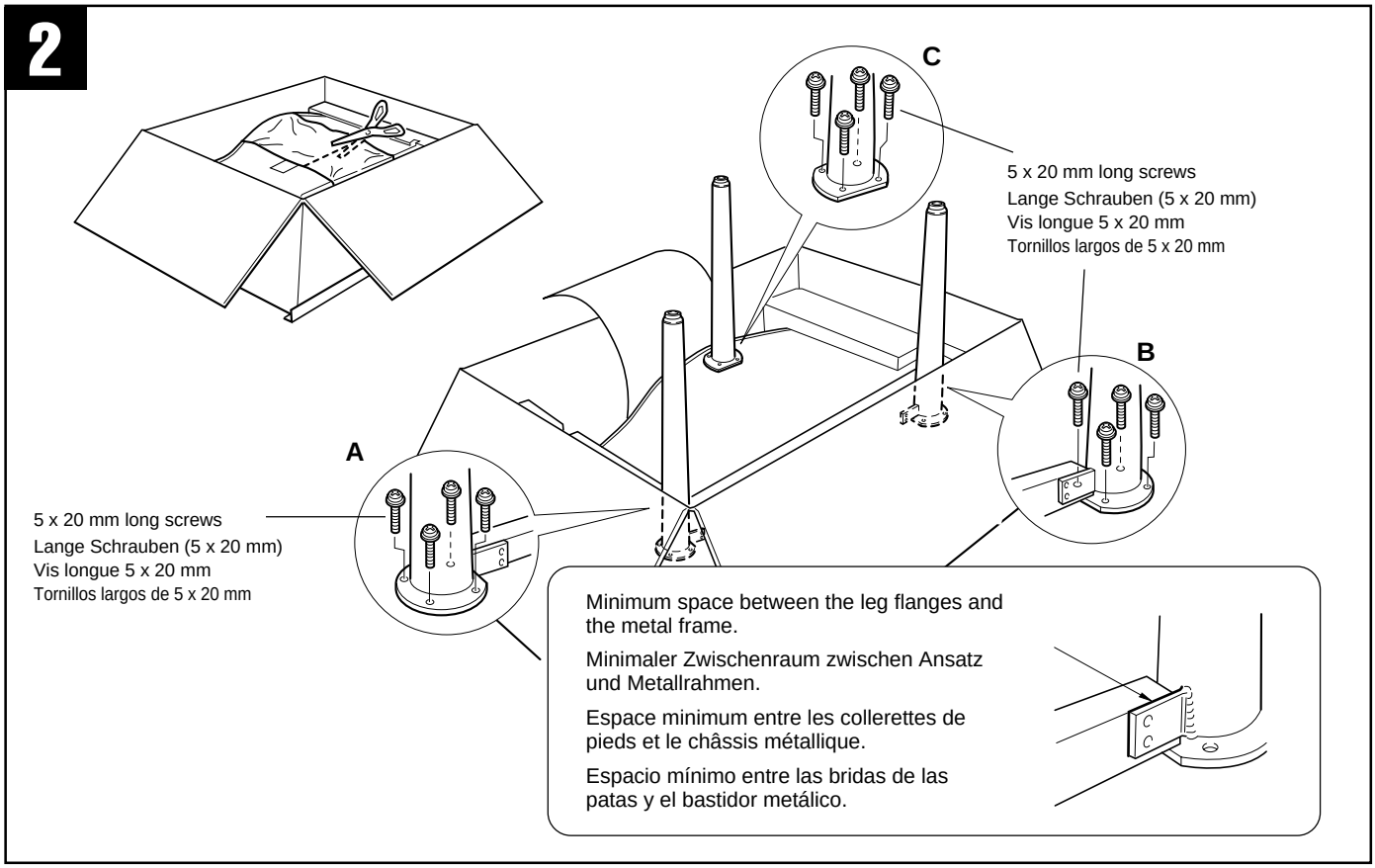
1 Den Karton öffnen und die Teile der obersten Lage herausnehmen.

Prüfen Sie anhand der Abbildung, ob die Teile vollzählig vorhanden sind.

NOTIZ • *Je nach Vertriebsland wird eine Sitzbank entweder standardmäßig mitgeliefert oder ist als Sonderzubehör erhältlich.*

2 Die drei Standbeine (A, B und C) montieren.

Entfernen Sie das Verpackungsmaterial an der Unterseite des Instruments mit einer Schere oder einem anderen Schneidwerkzeug. Schrauben Sie dann die drei Standbeine mit jeweils vier langen Schrauben (5 x 20 mm) an das Instrument. Richten Sie sich bei der Montage der Standbeine bitte nach der Abbildung — die vorderen Standbeine (A und B) dürfen nicht vertauscht werden. Achten Sie auch darauf, daß zwischen den Ansätzen an den vorderen Standbeinen (A und B) und dem Metallrahmen an der Unterseite des Instruments ein möglichst kleiner Zwischenraum verbleibt (die Standbeine werden an späterer Stelle, in Schritt **6** , mit diesem Rahmen verschraubt).



CVP-700: Montage

⚠PRECAUTION

- *Veiller à ne pas mélanger les pièces et à les installer dans le sens correct. Veuillez assembler l'instrument dans l'ordre indiqué ci-dessous.*
- *La présence de deux personnes minimum est nécessaire pour procéder au montage. Il est très dangereux de vouloir effectuer l'assemblage seul.*
- *Toujours utiliser des vis aux dimensions correctes, comme indiqué cidessus. l'utilisation de vis aux dimensions incorrectes pourrait en effet endommager l'instrument.*
- *Resserrer convenablement toutes les vis après le montage de chaque élément.*
- *L'ensemble du carton d'emballage doit être retourné pendant le montage aussi, choisir un endroit suffisamment spacieux pour les opérations de déballage et de montage.*

1 Ouvrir le carton et retirer les pièces du niveau supérieur.

Vérifier que toutes les pièces figurant sur l'illustration se trouvent bien dans le carton.

NOTE • *Un banc peut être fourni ou en option, selon l'endroit où l'instrument a été acheté.*

2 Monter les trois pieds (A, B, C).

Utiliser une paire de ciseaux ou un cutter pour retirer les matériaux dans lesquels l'instrument est emballé. Puis, monter les pieds au-dessous de l'instrument avec quatre vis longues 5 x 20 mm par pied. Pour le montage des pieds,se référer soigneusement à l'illustration afin de garantir que la position des pieds (A) et (B) n'est pas inversée. S'assurer aussi qu'il y a un espace minimum entre les collerettes de pieds (A) et (B) et le châssis metallique sous l'instrument (les vis qui fixent les pieds sur ce châssis seront installées ultérieurement, à l'étape 6).

CVP-700: Montaje

⚠CUIDADO

- *Observe cuidado para no confundir las piezas, y asegúrese de montar todas ellas en el sentido correcto. Proceda al montaje en el orden indicado a continuación.*
- *El montaje deberá realizarse al menos por dos personas. Es peligroso intentar hacerlo por sí mismo.*
- *Procure utilizar los tornillos del tamaño adecuado, según se indica arriba. El empleo de tornillos inadecuados puede ocasionar daños en el instrumento.*
- *Asegúrese de apretar bien todos los tornillos después de montar cada unidad.*
- *Deberá dar la vuelta a todo el paquete durante el montaje, por lo que es mejor que seleccione un lugar espacioso para efectuar el desembalaje y el montaje.*

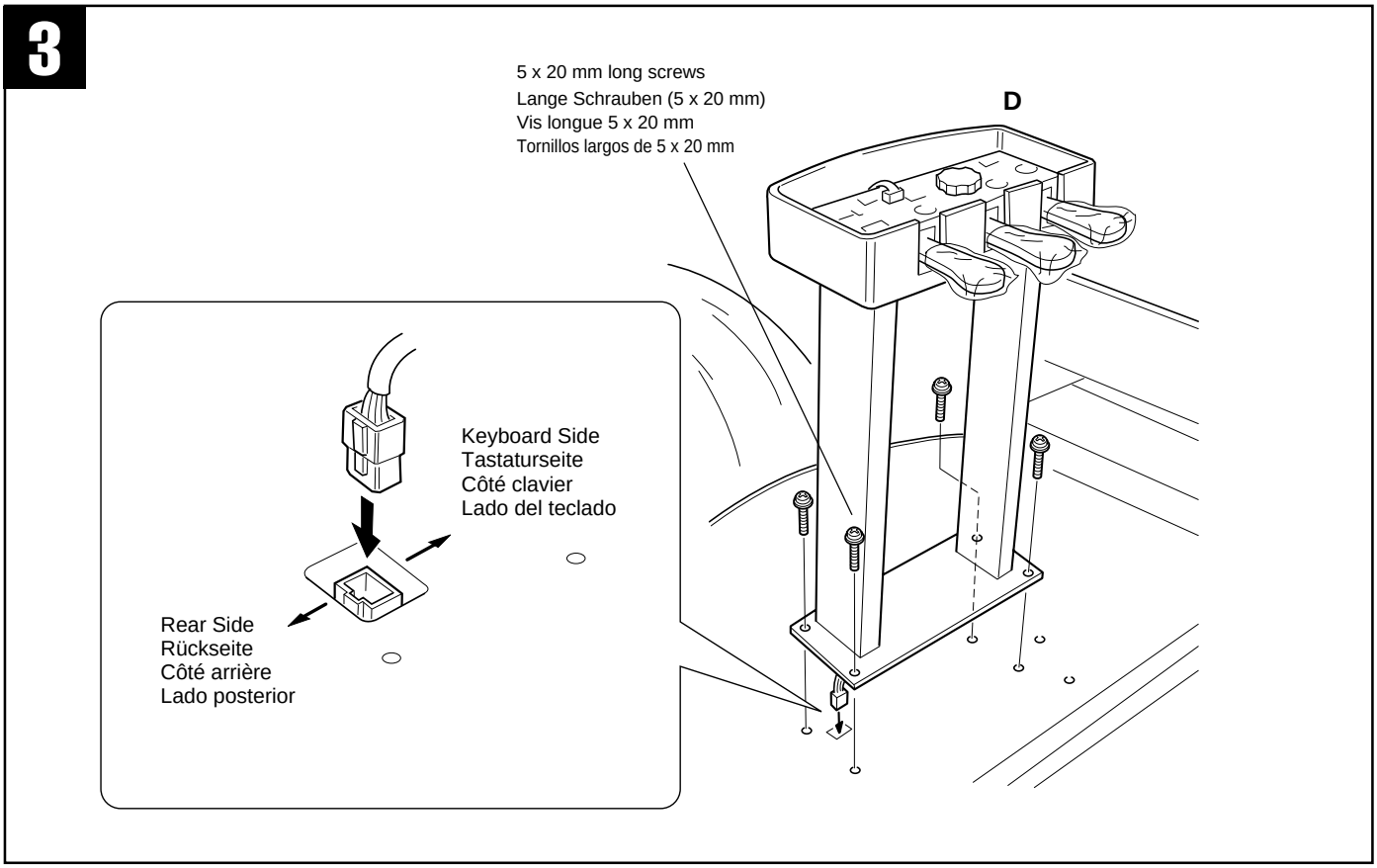
1 Abra el cartón y extraiga las partes del nivel superior.

Consultando la ilustración, asegúrese de que dispone de todas las partes necesarias.

NOTA • *Es posible que se suministre un banco o que sea opcional, dependiendo del lugar de venta del instrumento.*

2 Coloque las tres patas (A, B, C).

Emplee unas tijeras o un cortador para sacar el material de embalaje en el que está envuelta la unidad principal. Luego, mote las patas en la parte inferior de la unidad principal empleando cuatro tornillos largos de 5 x 20 mm por pata. Consulte con cuidado la ilustración para asegurarse de que las posiciones de las patas (A) y (B) no se invierten. Asegúrese también que existe un espacio mínimo entre las bridas de las patas (A) y (B) y el bastidor metálico en la parte inferior de la unidad principal (los tornillos que se unen las patas a este bastidor se instalarán después, en el paso 6).



3 Attach the pedal box (D).

Before attaching the pedal box, connect the pedal cord. Pull the pedal plug out from the hole in the base plate and plug it into the socket in the bottom of the main unit with the lug on the plug facing the rear of the main unit (refer to the illustration). If the plug won't go in properly, don't force it … check the plug orientation and try again.

Making sure that the pedal cord doesn't get caught between the base plate and main unit, carefully lower the pedal box assembly onto the bottom of the main unit and line up the screw holes. Finally, attach the pedal box with four 5 x 20 mm long screws.

4 Turn over the instrument and packing.

Make sure that the three legs are firmly attached, then using the front legs (A) and (B) for support, turn over the instrument and packing so that the carton is on top of the instrument.

⚠CAUTION

- *Make sure that two persons are used to turn the instrument over. Holding the sides carefully turn over the instrument.*

3 Den Pedalkasten (D) montieren.

Schließen Sie vor der Montage des Pedalkastens zunächst das Pedalkabel an. Führen Sie den Kabelstecker durch das Loch in der Grundplatte, um ihn dann, mit der Führungsnase zur Rückseite des Instruments weisend, an die Buchse an der Unterseite anzuschließen (siehe Abbildung). Wenn der Stecker nicht in die Buchse paßt, bitte nicht mit Gewalt hineinstecken ... prüfen Sie seine Ausrichtung, und versuchen Sie es dann noch einmal.

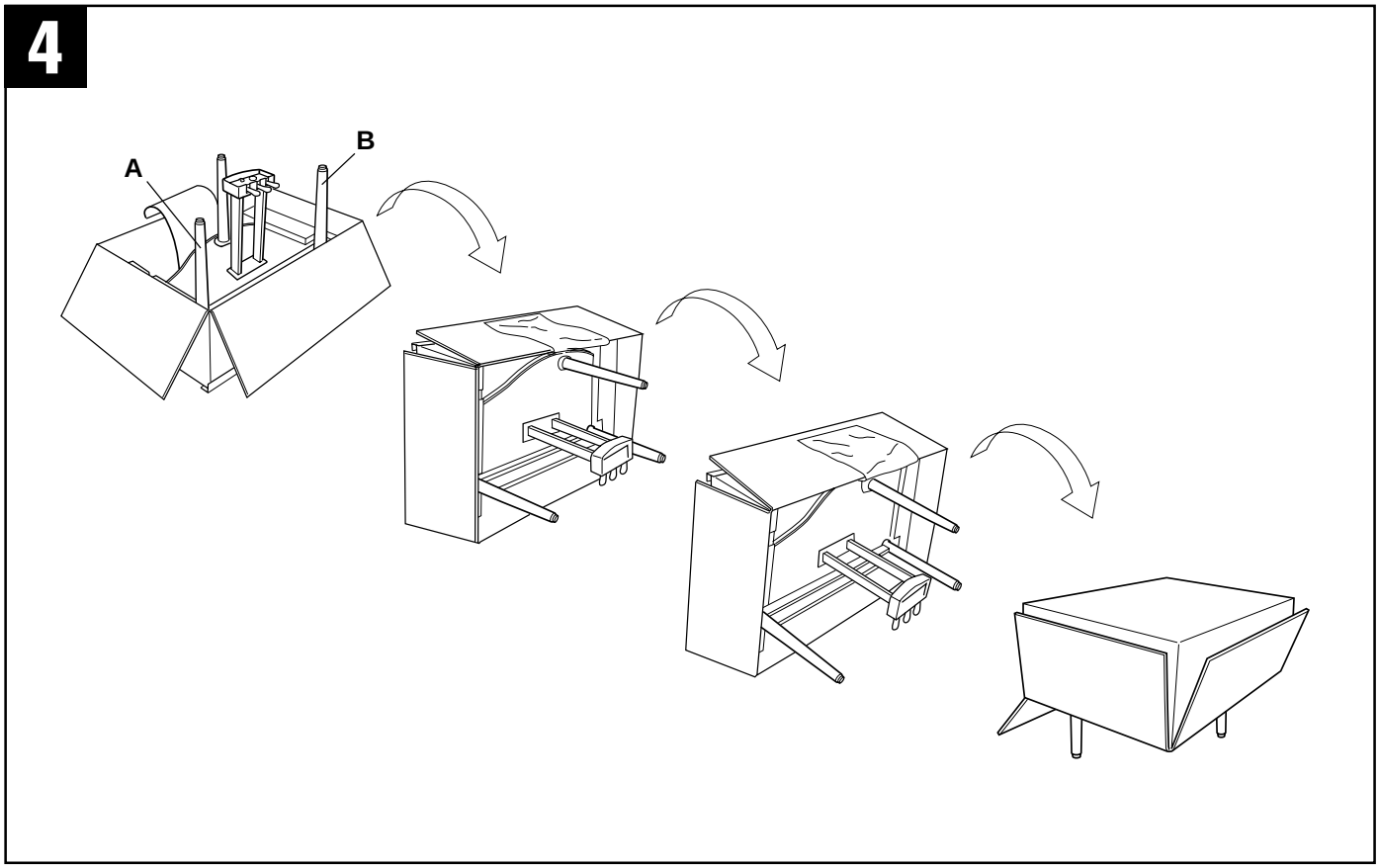
Setzen Sie den Pedalkasten nun so auf der Unterseite des Instruments an, daß das Pedalkabel nicht zwischen Grundplatte und Instrument eingeklemmt wird und die Schraubenbohrungen zur Deckung kommen. Schrauben Sie den Pedalkasten dann mit vier langen Schrauben (5 x 20 mm) fest.

4 Das Instrument mit dem Karton aufstellen.

Prüfen Sie noch einmal, ob die drei Standbeine fest montiert sind, und stellen Sie das Instrument dann über die vorderen Standbeine (A und B) so aufrecht, daß der Karton oben ist.

⚠VORSICHT

- *Das Aufstellen des Instruments muß von zwei Personen ausgeführt werden, die es hierfür vorsichtig an den Seiten halten und umdrehen.*



3 Monter le pédalier (D).

Avant de monter le pédalier, raccordez son cordon. Sortir le connecteur de pédalier de l'orifice de l'embase et le brancher dans la prise sous de l'instrument, la cosse du connecteur orienté vers l'arrière de l'instrument (comme indiqué sur l'illustration). Si la prise est difficile à enclencher, ne pas forcer... vérifier l'orientation de la prise et essayer à nouveau.

En vérifiant que le cordon du pédalier n'est pas pincé entre l'embase et l'instrument, abaisser soigneusement l'ensemble de pédalier en place au bas de l'instrument et l'aligner sur les trous de vis. Pour finir, monter le pédalier avec quatre vis longues 5 x 20 mm.

4 Retourner l'instrument et l'emballage.

Vérifier que les trois pieds sont fermement fixés, puis, en utilisant les pieds avant (A) et (B) comme support, retourner l'instrument et l'emballage, de manière à ce que le carton se trouve sur l'instrument.

⚠PRECAUTION

- *Assurez-vous que deux personnes sont en présence pour retourner l'instrument. Saisissez délicatement les bords de l'instrument puis retournez-le.*

3 Coloque la caja de pedales (D).

Antes de montar la caja de pedales, conecte el cable de los pedales. Tire de la clavija de pedales desde el orificio de la placa de la base y enchúfelo a la toma de la parte inferior de la unidad principal con el apéndice de la clavija encarado a la parte posterior de la unidad principal (consulte la ilustración). Si la clavija no entra correctamente, no la fuerza ... compruebe la orientación de la clavija e inténtelo de nuevo.

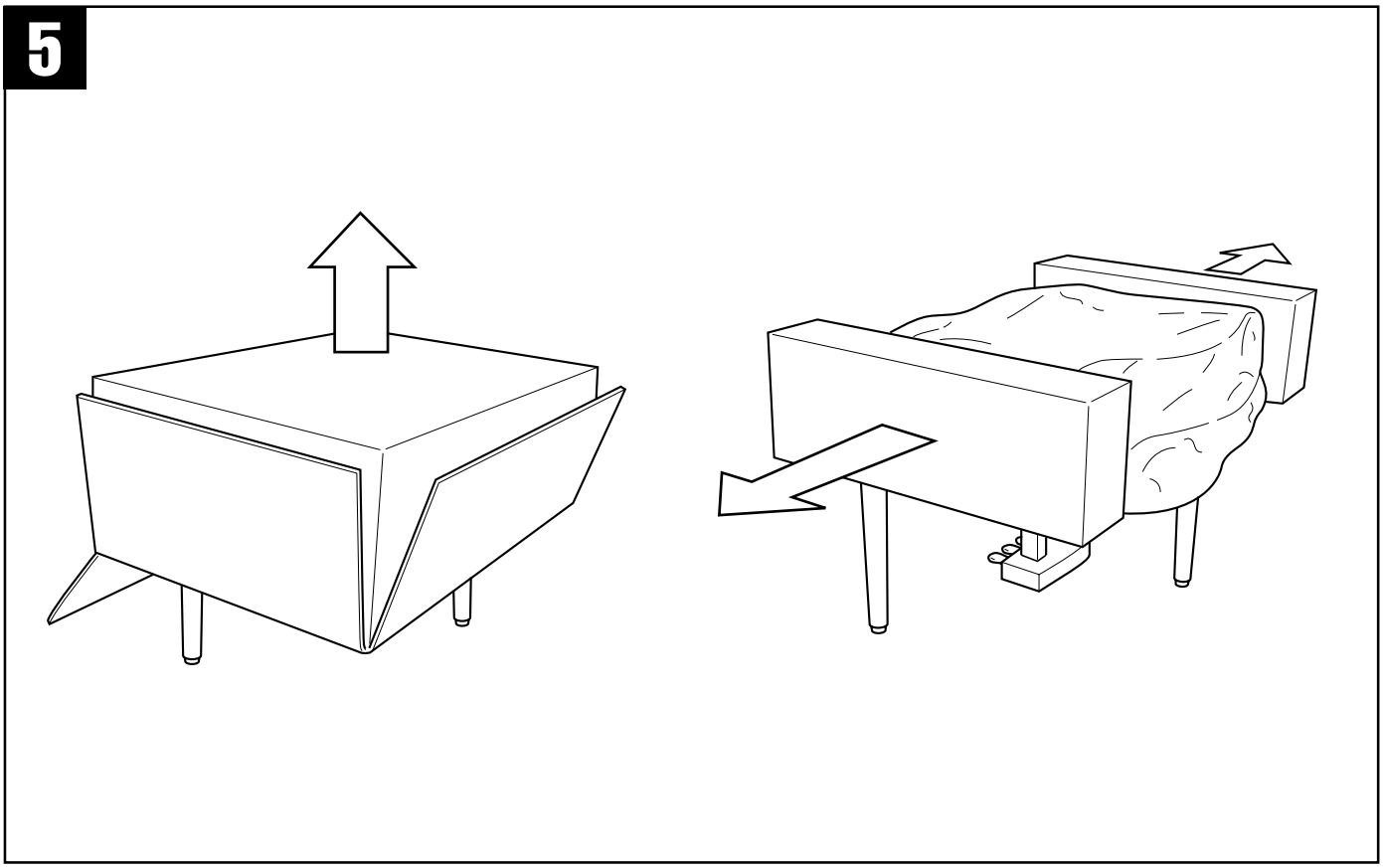
Teniendo cuidado de que el cable de los pedales no queda pillado entre la placa de la base y la unidad principal, baje con cuidado el conjunto de la caja de pedales a la parte inferior de la unidad principal y alinee los orificios de los tornillos. Finalmente, monte la caja de pedales con cuatro tornillos largos de 5 x 20 mm.

4 Dé la vuelta al instrumentos y al embalaje.

Asegúrese de que las tres patas estén firmemente unidas, y empleando las patas frontales (A) y (B) como soporte, dé la vuelta al instrumento y al embalaje de modo que el cartón quede en la parte superior del instrumento.

⚠CUIDADO

- *Asegúrese de que sean dos personas las que den la vuelta al instrumento. Tomándolo con cuidado por los lados, dé la vuelta al instrumento.*



5 Remove the carton and packing material.

Lift and remove the carton, then remove the remaining packing material from the main unit.

6 Attach the front leg/frame screws.

Firmly attach the front legs (A) and (B) to the frame on the bottom of the main unit using two 5 x 20 mm long screws for each leg.

7 Voltage Selector

Check the setting of the voltage selector which is provided in some areas. To set the selector for 110V, 127V, 220V or 240V main voltages, use a "minus" screwdriver to rotate the selector dial so that the correct voltage for your region appears next to the pointer on the panel. The voltage selector is set at 240V when the unit is initially shipped.

⚠CAUTION

- *An improper voltage setting can cause serious damage to the CVP-700 or result in improper operation.*

5 Den Karton und das Verpackungsmaterial entfernen.

Heben Sie zunächst den Karton weg, und entfernen Sie dann die beiden Formstücke und das übrige Verpackungsmaterial.

6 Die vorderen Standbeine mit dem Rahmen verschrauben.

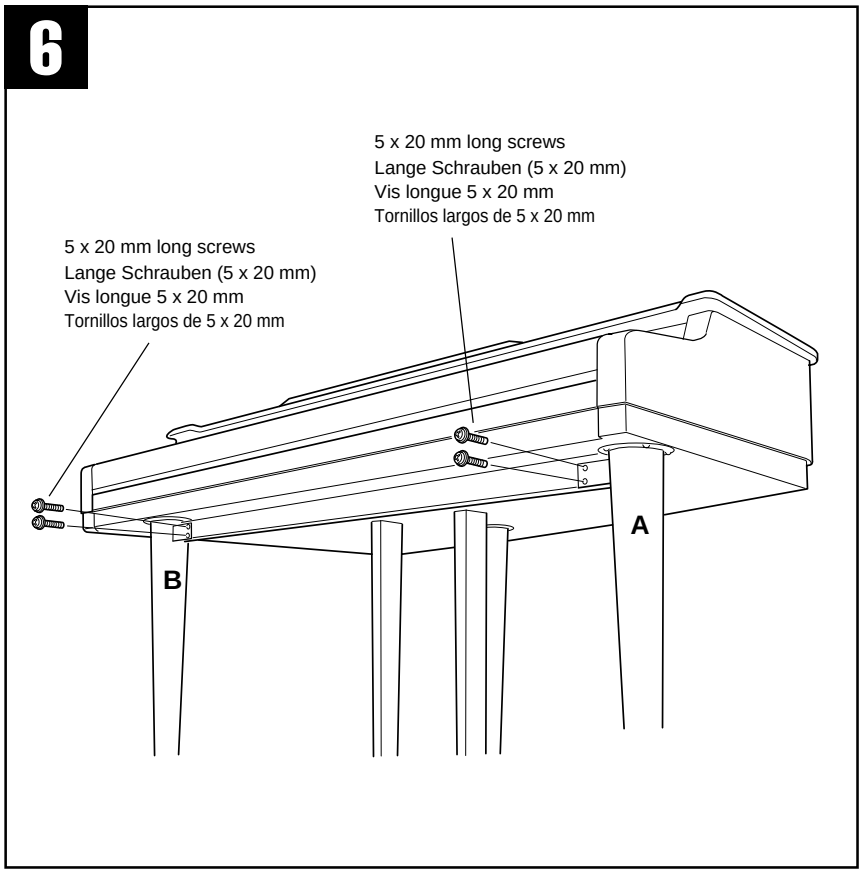
Schrauben Sie die vorderen Standbeine (A und B) mit jeweils zwei langen Schrauben (5 x 20 mm) gut am Rahmen an der Unterseite des Instruments fest.

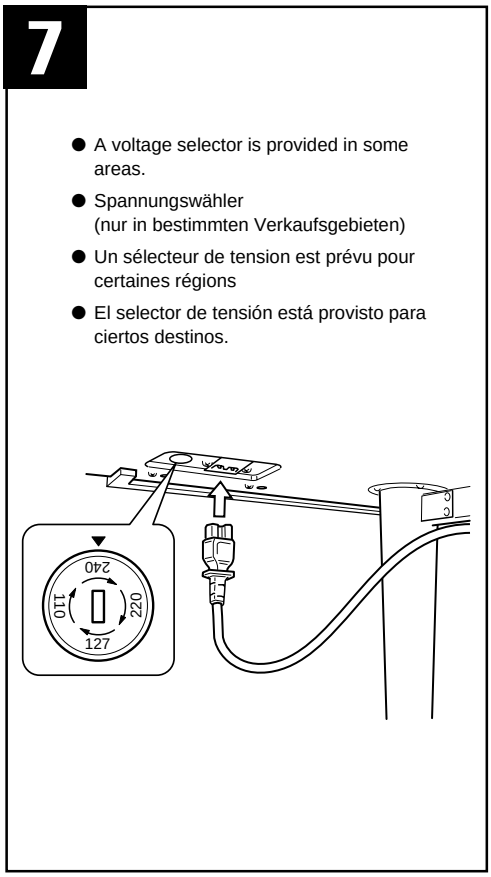
7 Den Spannungswähler einstellen.

Stellen Sie den Spannungswähler (falls vorhanden) auf die örtliche Netzspannung ein. Zum Verstellen drehen Sie den Spannungswähler mit einem Schlitzschraubendreher, bis der richtige Spannungswert (110, 127, 220 oder 240) an der Pfeilmarkierung steht. Bei der Auslieferung werden alle Instrumente mit Spannungswähler auf "240" voreingestellt.

⚠VORSICHT

- *Ein falsch eingestellter Spannungswähler kann zur Beschädigung des CVP-700 führen oder zu einem unsachgemäßen Betrieb.*





5 Retirer le carton et les matériaux de garniture.

Soulever le carton et le retirer, puis retirer les matériaux d'emballage qui restaient sur l'instrument.

6 Fixer les vis pieds avant/châssis.

Fixer fermement, sous l'instrument, les pieds avant (A) et (B) au châssis avec deux vis longues 5 x 20 mm par pied.

7 Sélecteur de tension.

Vérifiez le réglage du sélecteur de tension qui est prévu pour certaines régions. Pour régler le sélecteur sur 110 V, 127 V, 220 V ou 240 V, utilisez un tournevis à lame plate pour tourner le cadran du sélecteur afin de mettre l'indication correspondant à la tension de votre région vis à vis du repère triangulaire situé sur le panneau. Le sélecteur de tension est réglé sur 240 V au départ d'usine.

⚠PRECAUTION

- *Un mauvais réglage de la tension peut gravement endommager le CVP-700 ou entraîner des dysfonctionnements.*

5 Extraiga el cartón y el material de embalaje.

Levante y extraiga el cartón, y saque entonces el material de embalaje restante de la unidad principal.

6 Monte los tornillos de las patas frontales/ bastidor.

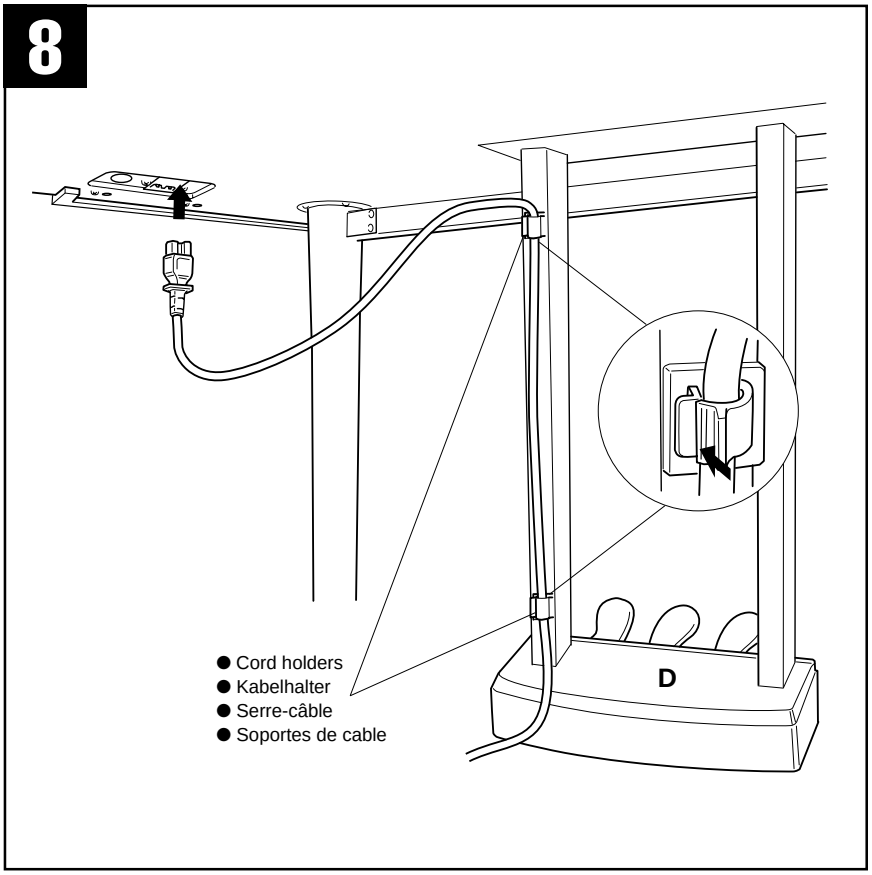
Coloque firmemente las patas frontales (A) y (B) en el bastidor en la parte inferior de la unidad principal empleando dos tornillos largos de 5 x 20 mm para cada pata.

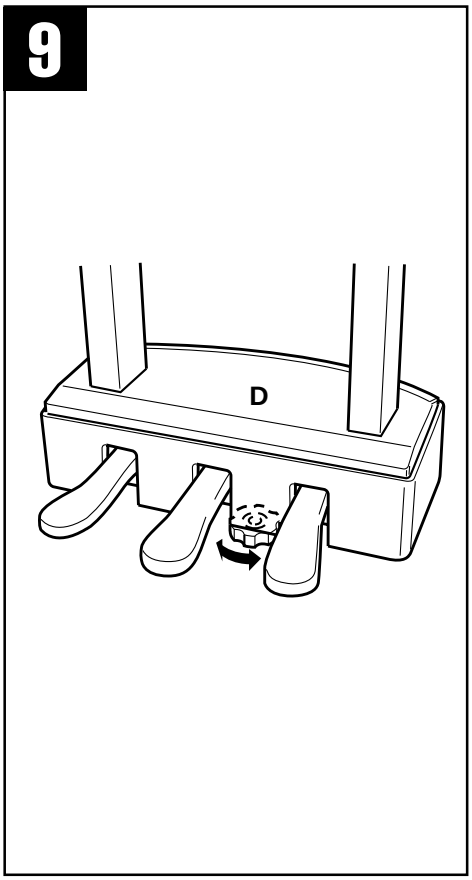
7 Selector de tensión.

Compruebe el ajuste del selector de tensión que se incorpora para ciertos destinos. Para ajustar el selector a 110V, 127V, 220V ó 240V de la red de alimentación, emplee un destornillador de cabeza recta "-" para girar el selector de modo que la tensión correcta de su zona aparezca al lado del indicador del panel. El selector de tensión se ajusta a 240V cuando la unidad sale de fábrica.

⚠CUIDADO

- *Un ajuste incorrecto de la tensión podrá ocasionar daños graves al instrumento CVP-700 o provocar un funcionamiento defectuoso.*





8 Attach the cord holders and plug in the AC cord.

Remove the protective backing from the adhesive surface of the cord holders, and attach at approximately the locations shown in the illustration. Plug the main-unit end of the AC cord into the corresponding socket on the bottom of the main unit, then secure the cord with the cord holders.

A plug adaptor may be also provided in some areas to match the pin configuration of the AC wall outlets in your area.

9 Set the adjuster.

For stability, an adjuster is provided on the bottom of the pedal box (D). Rotate the adjuster until it comes in firm contact with the floor surface. The adjuster ensures stable pedal operation and facilitates pedal effect control. If the adjuster is not in firm contact with the floor surface, distorted sound may result.

■ After completing the assembly, please check the following.

- Are there any parts left over?
  → Review the assembly procedure and correct any errors.
- Is the Clavinova clear of doors and other movable fixtures?
  → Move the Clavinova to an appropriate location.
- Does the Clavinova make a rattling noise when you shake it?
  → Tighten all screws.
- Does the pedal box rattle or give way when you step on the pedals?
  → Turn the adjuster so that it is set firmly against the floor.
- Are the pedal and power cords inserted securely into the sockets?
  → Check the connection.
- If the main unit creaks or is otherwise unsteady when you play on the keyboard, refer to the assembly diagrams and retighten all screws.

8 Die Kabelhalter anbringen und das Netzkabel anschließen.

Ziehen Sie das Schutzpapier von der Klebefläche der Kabelhalter ab, und bringen Sie die Halter ungefähr an den in der Abbildung gezeigten Stellen an. Stecken Sie den kleineren Stecker des Netzkabels in die entsprechende Buchse an der Unterseite des Instruments, um das Kabel dann in die Kabelhalter zu legen.

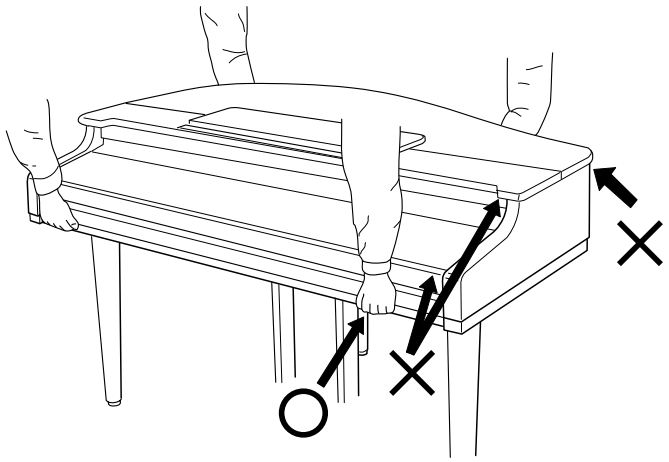
In manchen Gebieten wird ein Steckerdapter mitgeliefert, um den Anschluß an die evtl. unterschiedlich geformte Steckdose zu ermöglichen.

9 Den Pedalfuß einstellen.

Um dem Pedalkasten (D) mehr Standfestigkeit zu geben, ist er mit einem verstellbaren Pedalfuß ausgestattet. Drehen Sie diesen Fuß heraus, bis er fest auf der Bodenfläche steht. Der Pedalfuß stabilisiert den Pedalkasten und ermöglicht eine präzise Pedalbetätigung. Wenn der Pedalfuß nicht fest auf dem Boden steht, können Klangverzerrungen auftreten.

■ Wenn der Zusammenbau beendet ist, prüfen Sie bitte folgende Dinge:

- Sind Teile übrig geblieben?
  → Gehen Sie den Vorgang des Zusammenbaus noch einmal durch und korrigieren Sie eventuelle Fehler.
- Befindet sich das Clavinova weit genug von Türen und anderen beweglichen Vorrichtungen entfernt?
  → Bewegen Sie das Clavinova an einen entsprechend sicheren Ort.
- Macht das Clavinova Klappergeräusche, wenn Sie es schütteln?
  → Ziehen Sie alle Schrauben fest.
- Klappert der Pedalkasten oder gibt er nach, wenn Sie das Pedal treten?
  → Drehen Sie den Höhenversteller, bis er fest auf dem Fußboden steht.
- Sind Pedal-und Netzkabel richtig an den Buchsen angeschlossen?
  → Prüfen Sie die Verbindung.
- Wenn die Haupteinheit knarrt oder beim Spielen wackelt, betrachten Sie die Abbildungen und ziehen Sie alle Schrauben noch einmal nach.



⚠CAUTION

- *When moving the instrument after assembly, always hold the lower surface of the main unit, NEVER the lid or keyboard cover. Improper handling can result in damage to the instrument or personal injury.*

⚠VORSICHT

- *Fassen Sie zum Umstellen des Instruments nach dem Zusammenbau stets unter das Gehäuse; heben Sie es niemals am Gehäuse- oder Tastaturdeckel. Bei Nichtbeachtung dieses Punkts kann das Instrument beschädigt und im Extremfall eine Verletzung hervorgerufen werden.*

⚠PRECAUTION

- *Pour déplacer l'instrument après le montage, toujours tenir l'instrument par la surface inférieure, JAMAIS par le couvercle ou le protège-clavier. Une mauvaise manipulation peut provoquer des dommages ou des blessures.*

⚠CUIDADO

- *Cuando mueva el instrumento después del montaje, sostenga siempre la superficie inferior de la unidad principal. NUNCA por la tapa ni cubierta del teclado. La manipulación indebida puede causar daños en el instrumento o personales.*

8 Fixer les serre-fils et brancher le cordon de l'alimentation secteur.

Retirer le film protecteur des surfaces adhésives aux serre-fils et les fixer approximativement aux emplacements indiqués sur l'illustration. Brancher l'extrémité instrument du cordon secteur dans la prise correspondante au bas de l'instrument et fixer le cordon avec les serre-fils.

Un adaptateur de prise peut également être fourni dans certaines régions pour pouvoir brancher le cordon à la prise secteur murale.

9 Régler la hauteur du pédalier

Pour assurer la stabilité, un dispositif de réglage du pédalier (D) est équipé. Tourner ce dispositif jusqu'à ce qu'il soit en contact ferme avec le sol. Ce dispositif assure la stabilité du pédalier pendant son utilisation et facilite la commande au pied des effets. Si ce dispositif n'est pas fermement en contact avec le sol, le son pourra être déformé.

■ Lorsque le montage est terminé, veuillez mener à bien les vérifications suivantes.

- Reste-t-il des pièces non utilisées?
  → Passer en revue la procédure de montage et corriger toute erreur éventuelle.
- Le Clavinova est-il placé à l'écart des portes et de toute autre structure mobile?
  → Déplacer le Clavinova vers un emplacement approprié.
- Lorsque vous secouez quelque peu le Clavinova, entendez-vous un cliquetis?
  → Serrer convenablement toutes les vis.
- Le pédalier fait-il du bruit ou s'écarte-t-il lorsque vous appuyez sur les pédales?
  → Tourner le stabilisateur de sorte qu'il repose fermement sur le sol.
- Les cordons des pédales et d'alimentation sont-ils bien enfoncés dans les prises?
  → Vérifier toutes les connexions.
- Si la partie principale de l'appareil craque ou est instable lorsque vous jouez sur le clavier, consulter les diagrammes de montage et resserrer toutes les vis.

8 Monte los soportes de cable y enchufe el cable de CA

Extraiga el dorso protector de la superficie adhesiva de los soportes de cable, y colóquelos aproximadamente en los lugares mostrados en la ilustración. Enchufe e extremo de la unidad principal del cable de CA en la toma correspondiente de la parte inferior de la unidad principal, y fije el cable con los soportes de cables.

En algunas zonas puede suministrarse también un adaptador para adaptar la configuración de las patillas de los tomacorrientes de CA de su localidad.

9 Ajuste el ajustador.

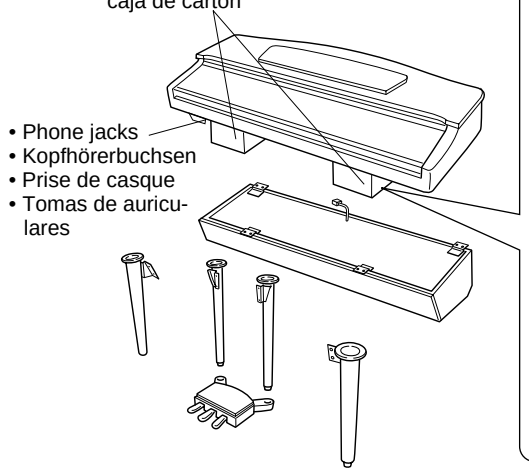
Para mayor estabilidad, se proporciona un ajustador en la parte inferior de la caja de pedales (D). Gire el ajustador hasta que se ponga firmemente en contacto con la superficie del suelo. El ajustador asegura la operación estable de lo pedales y facilita el control de efectos de los pedales. Si el ajustador no está firmemente en contacto con la superficie del suelo, puede producirse sonido distorsionado.

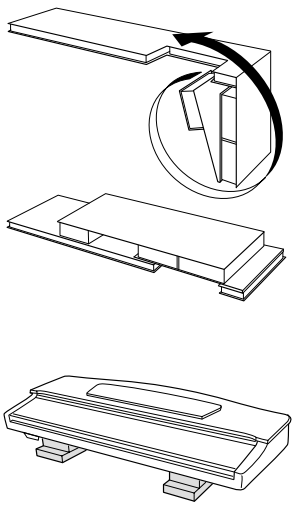
■ Cuando haya concluido el montaje, compruebe los siguientes puntos:

- ¿Ha quedado alguna pieza sin instalar?
  → Revise el procedimiento de montaje y corrija cualquier error que se haya podido cometer.
- ¿Está el Clavinova alejado del recorrido de puertas y muebles?
  → Traslade el Clavinova a una posición adecuada.
- ¿Suena algún ruido de holgura cuando se mueve el Clavinova?
  → Apriete con firmeza todos los tornillos.
- ¿Vibra o cede la caja de pedales cuando se pisan los pedales?
  → Gire el ajustador hasta que se apoye firmemente sobre el suelo.
- ¿Están perfectamente insertados los cables de pedal y alimentación en los conectores?
  → Revise las conexiones.
- Si la unidad principal cruje o presenta algún signo de inestabilidad cuando se toca el teclado, consulte los esquemas de montajee y vuelva a apretar todos los tornillos.

1

- Cardboard packing cushions
- Kartonformstücke
- Cales d'emballage en carton
- Amortiguadores de embalaje la caja de cartón





- Depending upon the unit type, the unit may be packed with the cardboard packing cushions shown in the illustration. In this case, refold the cushions as shown in the illustration. Rest the main unit in a stable manner on the cushions as shown in the illustration.
- Bei manchen Geräten, abhängig vom Gerätetyp, umfaßt die Verpackung die in der Abbildung gezeigten Pappkissen. In diesem Fall falten Sie die Polsterungen, wie ebenfalls in der Abbildung dargestellt. Bringen sie das Hauptgehäuse in eine stabile Lage auf den Polstern, wie dargestellt.
- Selon le type de l'unité, celle-ci peut être emballée dans les coussins d'emballage en carton que l'on voit sur l'illustration. Dans ce cas, il faut replier les coussins et placer l'unité principale sur les coussins dans une position stable comme il est indiqué dans l'illustration.
- En función del tipo de unidad, ésta puede ir embalada con las almohadillas de cartón indicadas en la ilustración. Si es así, dóblelas tal y como se indica. Coloque la unidad principal de forma estable sobre las almohadillas como se indica en la ilustración.

CVP109/107: Assembly

⚠CAUTION

- *Be careful not to confuse parts, and be sure to install all parts in the correct direction. Please assemble in accordance with the sequence given below.*
- *Assembly should be carried out by at least two persons.*
- *Be sure to use the correct screw size, as indicated above. Use of incorrect screws can cause damage.*
- *Be sure to tighten up all screws upon completing assembly of each unit.*
- *To disassemble, reverse the assembly sequence given below.*

1 Open the box and remove all the parts.

Take out the two cardboard packing cushions and place them on the floor. Then take out main unit and place it on top of the packing cushions. Position the cushions so as to protect the phone jacks on the base of the unit.
Remove all parts from the box. Confirm that all parts shown in the illustration above are provided.

2 Carefully lean the main unit against a wall.

To make it easier to install the legs, place a soft blanket or similar material on the floor near a wall, close the Clavinova keyboard cover, place the front panel of the Clavinova (the side with the keyboard) on the blanket and gently lean the unit against the wall — **MAKING SURE THAT IT CAN NOT FALL** — as shown in the illustration.

⚠CAUTION

- *Do not lay the main unit upside-down on the floor.*

3 Pedal assembly.

A: Under the pedal box, remove the vinyl tie from the pedal cable (the illustration shows the tie removed). Paying close attention to the direction of the rear legs (take note of the leg brackets in the illustration), slide the pedal box onto the left leg.
B: Align the cut hole in the pedal box with the hole in the left leg and insert the cable into the hole on the left leg, pull the cable out of the top of the left leg.
C: Align the screw holes, attach the two 4 x 12 millimeter small screws to 2 locations. (First tighten both screws loosely, once the position has been determined tighten firmly.)

Use the same procedure (A, B and C) to attach the right leg.(However, the right leg is not equipped with a pedal cord.)

⚠CAUTION

- *When you lift the pedal box assembly, make sure that you lift by both legs.*

CVP-109/107: Zusammenbau

⚠VORSICHT

- *Achten Sie darauf, die Teile nicht zu verwechseln, und installieren Sie alle Teile in der richtigen Ausrichtung. Gehen Sie beim Zusammenbau bitte in der angegebenen Reihenfolge vor.*
- *Die Montage sollte von mindestens zwei Personen vorgenommen werden.*
- *Achten Sie darauf, die richtige Schraubengröße zu verwenden, wie es oben gezeigt ist. Die Verwendung der falschen Schrauben kann zu Schäden führen.*
- *Achten Sie während der Montage darauf, bei jedem Arbeitsgang alle Schrauben festzuziehen.*
- *Für die Demontage muß die angegebene Reihenfolge umgekehrt befolgt werden.*

1 Den Versandkarton öffnen und alle Teile auspacken.

Nehmen Sie die beiden Kartonformstücke heraus, und legen Sie sie auf den Boden. Nehmen Sie dann die Haupteinheit heraus, und stellen Sie sie auf die abgelegten Formstücke. Positionieren Sie die Formstück dabei so, daß die Kopfhörerbuchsen unten am Instrument nicht beschädigt werden können. Vergewissern Sie sich, daß alle in der obigen Abbildung aufgeführten Teile vollzählig vorhanden sind.

2 Die Haupteinheit vorsichtig an eine Wand lehnen.

Um das Anschrauben der Beine zu erleichtern, breiten Sie eine Decke oder ein weiches Tuch neben der Wand auf dem Boden aus, schließen die Tastaturabdeckung des Clavinova, stellen das Instrument mit der Vorderkante (Seite mit der Tastatur) vorsichtig auf die Decke und lehnen es an die Wand, wie in der Abbildung gezeigt. **VERGEWISSERN SIE SICH, DASS DAS INSTRUMENT NICHT KIPPEN ODER WEGRUTSCHEN KANN!**

⚠VORSICHT

- *Legen Sie die Haupteinheit nicht mit der Oberseite nach unten auf den Boden!*

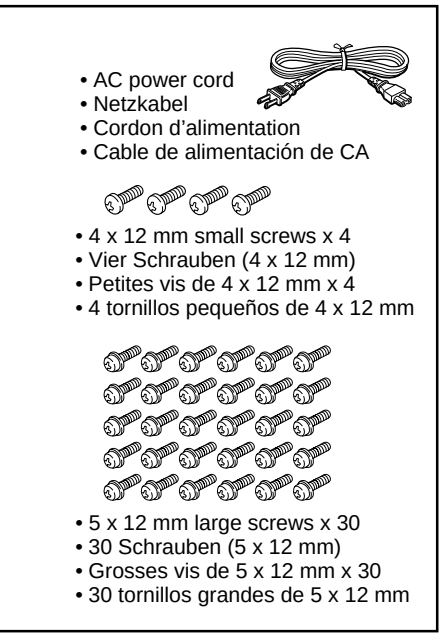
3 Montage des Pedals.

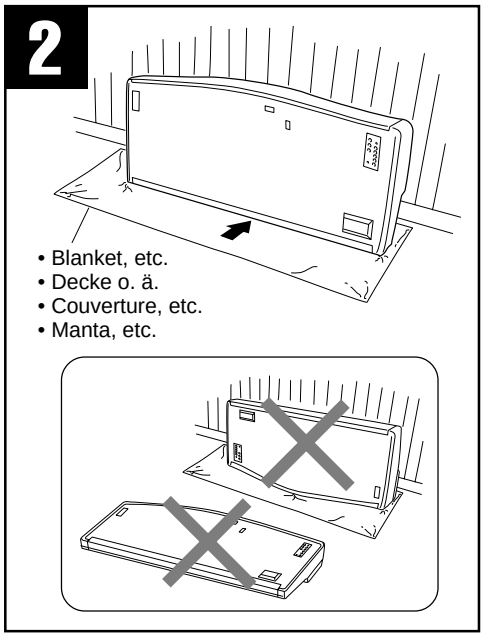
A: Ziehen Sie die Kunststoffschlinge vom Pedalkabel ab; diese befindet sich an der Unterseite des Pedalkastens (die Abbildung zeigt den Pedalkasten ohne Kunststoffschlinge). Schieben Sie dann den Pedalkasten auf das linke Bein und beobachten dabei die Führung der hinteren Beine (denken Sie an die Halterungen am Bein in der Abbildung).
B: Richten Sie die Aussparung im Pedalkasten an der Bohrung im linken Bein aus und ziehen Sie das Kabel durch die Bohrung am linken Bein bis nach oben.
C: Justieren Sie die Bohrungen für die Schrauben und befestigen Sie die beiden 4 x 12 mm Schrauben an den zwei Stellen. (Beide Schrauben locker anziehen und erst festziehen, wenn sie alle richtig sitzen.)

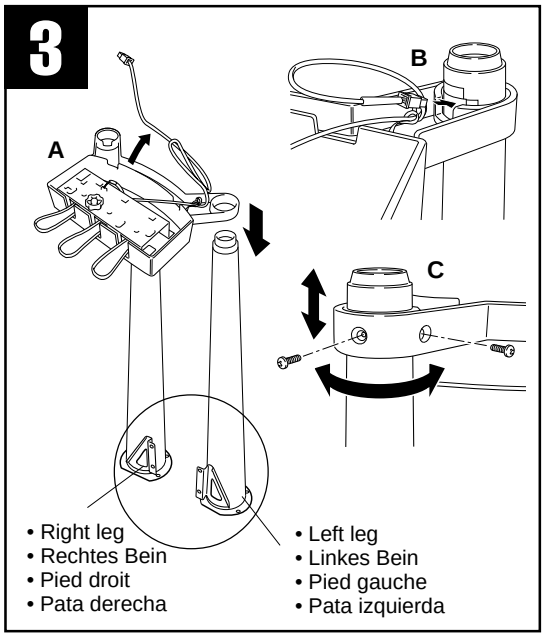
Benutzen Sie die Schritte A, B und C auch, um das rechte Bein zu befestigen. (Am rechten Bein gibt es aber kein Pedalkabel.)

⚠VORSICHT

- *Halten Sie die Pedalkasten-Baugruppe beim Heben stets an beiden Beinen.*







CVP-109/107: Montage

⚠PRECAUTION

- *Veiller à ne pas mélanger les pièces et à les installer dans le sens correct. Veuillez assembler l'instrument dans l'ordre indiqué ci-dessous.*
- *La présence de deux personnes minimum est nécessaire pour procéder au montage.*
- *Toujours utiliser des vis aux dimensions correctes, comme indiqué cidessus. l'utilisation de vis aux dimensions incorrectes pourrait en effet endommager l'instrument.*
- *Resserrer convenablement toutes les vis après le montage de chaque élément.*
- *Pour démonter le Clavinova, inverser l'ordre des indications données ci-dessous.*

1 Ouvrez le carton et retirez toutes les pièces.

Sortez les deux cales d'emballage en carton et placez-les sur le sol. Puis sortez le clavier et placez-le sur ces cales. Positionnez les cales de manière à protéger la prise de casque d'écoute sur la base du clavier. Vérifiez que toutes les pièces qui figurent sur l'illustration sont bien fournies.

2 Appuyez le clavier contre un mur en faisant très attention.

Pour faciliter la pose des pieds, placez une couverture épaisse, ou un matériau similaire, sur le plancher à proximité d'un mur. Fermez le protège-clavier et placez la face avant du Clavinova (côté clavier) sur la couverture et appuyez ensuite le clavier contre le mur de la manière illustrée. **ASSUREZ-VOUS QU'IL NE PEUT PAS TOMBER**.

⚠PRECAUTION

- *Ne posez pas le clavier à l'envers sur le sol.*

3 Ensemble Pédale.

A: Sous le pédalier, retirez l'attache en vinyl du câble de la pédale (sur l'illustration, l'attache est retirée). En faisant bien attention à la direction des pieds arrières (remarquez la position des ferrures de fixation sur l'illustration), faites glisser le pédalier sur le pied gauche.
B: Alignez la fente du pédalier avec le trou du pied gauche. Introduisez le câble dans ce trou, et faites-le sortir par le haut du pied.
C: Alignez les trous des vis et fixez les petites vis 4 x 12 mm en deux endroits. (Tout d'abord sans trop serrer puis après vous être assuré qu'elles sont bien positionnées serrez-les à fond).

Répétez cette procédure (A, B et C) pour fixer le pied droit. (Cependant, ce dernier n'est pas équipé d'un câble de pédale).

⚠PRECAUTION

- *Lorsque vous soulevez l'ensemble de boîtier de pédale, soulevez-le par les deux bords.*

CVP-109/107: Montaje

⚠CUIDADO

- *Observe cuidado para no confundir las piezas, y asegúrese de montar todas ellas en el sentido correcto. Proceda al montaje en el orden indicado a continuación.*
- *El montaje deberá realizarse al menos por dos personas.*
- *Procure utilizar los tornillos del tamaño adecuado, según se indica arriba. El empleo de tornillos inadecuados puede ocasionar daños en el instrumento.*
- *Asegúrese de apretar bien todos los tornillos después de montar cada unidad.*
- *Para desmontar las unidades, invierta la secuencia de montaje facilitada a continuación.*

1 Abra la caja y extraiga todas las partes.

Saque los dos amortiguadores de embalaje de la caja de cartón y póngalos en el suelo. Entonces, saque la unidad principal y póngala encima de los amortiguadores de embalaje. Coloque los amortiguadores de modo que protejan las tomas de auriculares de la base de la unidad. Extraiga todas las partes de la caja. Confirme que están incluidas todas las partes que se muestran en la ilustración de arriba.

2 Incline con cuidado la unidad principal contra una pared.

Para facilitar la instalación de las patas, coloque una manta blanda o un material semejante sobre el piso cerca de una pared, cierre la cubierta del teclado de la Clavinova, coloque el panel frontal de la Clavinova (el lado con el teclado) sobre la manta e incline con cuidado la unidad contra la pared — **ASEGURANDOSE DE QUE NO PUEDA CAERSE** — como se muestra en la ilustración.

⚠CUIDADO

- *No ponga la unidad principal al revés sobre el suelo.*

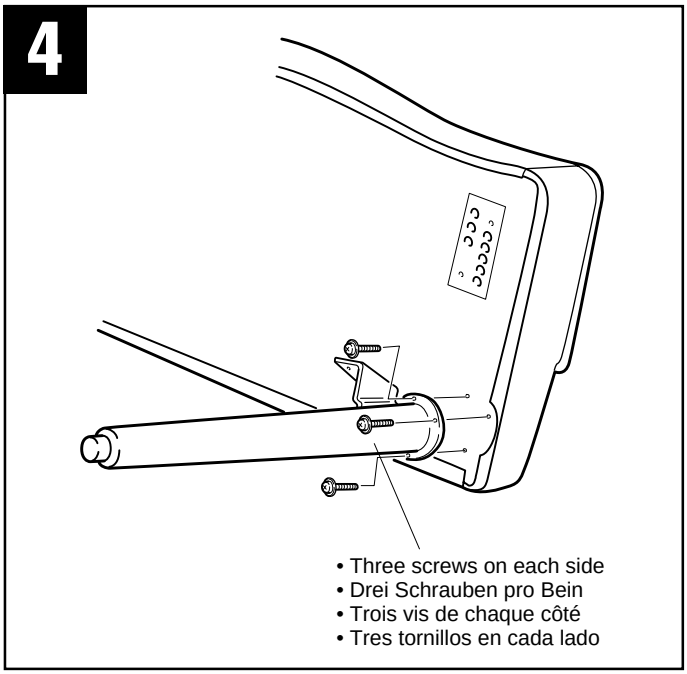
3 Unidad del pedal.

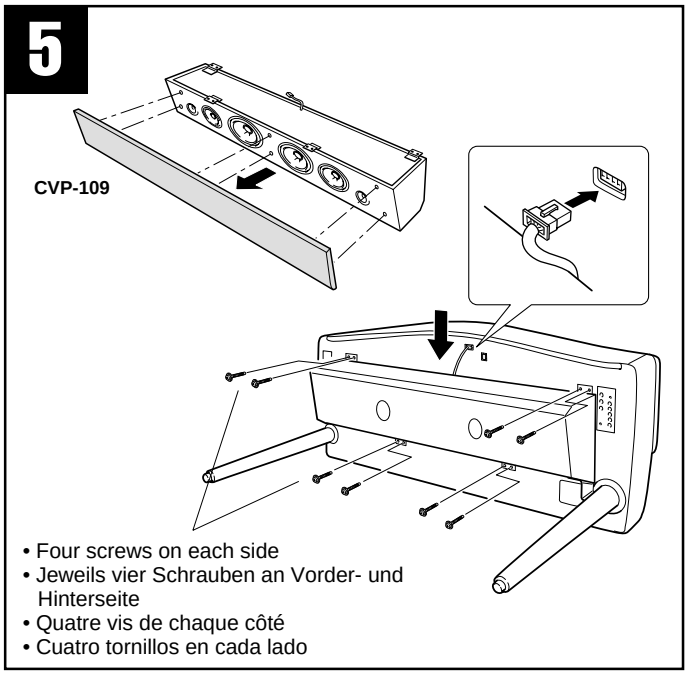
A: Debajo de la caja de pedales, retire la atadura de vinilo del cable de los pedales (en la figura se muestra la atadura retirada). Preste atención a la dirección de las patas posteriores (observe los soportes de las patas en la figura) y deslice la caja de los pedales en la pata izquierda.
B: Alinee el orificio de la caja de pedales con el orificio de la pata izquierda e introduzca el cable en el orificio de la pata izquierda; tire del cable para extraerlo por la parte superior de la pata izquierda.
C: Alinee los orificios de los tornillos y fije los dos tornillos pequeños de 4 x 12 mm en las dos posiciones. (Primero apriete ambos tornillos con la mano; una vez que haya determinado la posición, apriételos firmemente.)

Siga el mismo procedimiento (A, B y C) para fijar la pata derecha. (Sin embargo, la pata derecha no está provista de un cable de pedales.)

⚠CUIDADO

- *Cuando levante el conjunto de la caja de pedales, asegúrese de que levanta ambas patas.*





4 Attach the front legs.

Securely attach the two front legs using three 5 x 12 millimeter large screws for each leg (use a Philips "+" screwdriver) as shown in the illustration. Make sure that the screws are firmly tightened.

5 Attach the speaker box.

Remove the speaker box cover (attached to the speaker box in 6 places with plastic plugs) from the speaker box. Gently rest the speaker box onto the corresponding brackets on the front legs. (Be careful not to touch the speakers when handling the speaker box. Damage may result.) Make sure the speaker cord is extending out from the rear of the speaker box. Loosely secure the speaker box to the main keyboard unit using four 5 x 12 millimeter large screws on both the front and back. (The speaker will be secured in step **6**.) Insert the speaker cord connector into the corresponding socket on the main keyboard unit, making sure that the protruding clip on the connector is facing up.

6 Attach the pedal box assembly.

⚠CAUTION

- *When you lift the pedal box assembly, make sure that you lift by both legs.*

Before attaching the rear leg and pedal box assembly, insert the pedal cord plug extending from the left leg into the corresponding socket in the main unit. Make sure that the protruding clip on the connector is on the right. Put the excess cord into the leg and loosely secure the rear leg and pedal assembly using six 5 x 12 millimeter large screws for each leg (four screws per leg and two screws on each leg bracket). Once the rear leg and pedal assembly has been loosely attached, go back and tighten all 12 of the screws on the rear leg and pedal assembly, and also secure the 8 screws on the speaker box.

4 Die vorderen Beine montieren.

Schrauben Sie die beiden vorderen Beine mit jeweils drei Schrauben (5 x 12 mm, Kreuzschlitzschraubendreher verwenden!) gut am Clavinova fest, wie in der Abbildung gezeigt. Ziehen Sie die Schrauben fest an.

5 Den Lautsprecherkasten montieren.

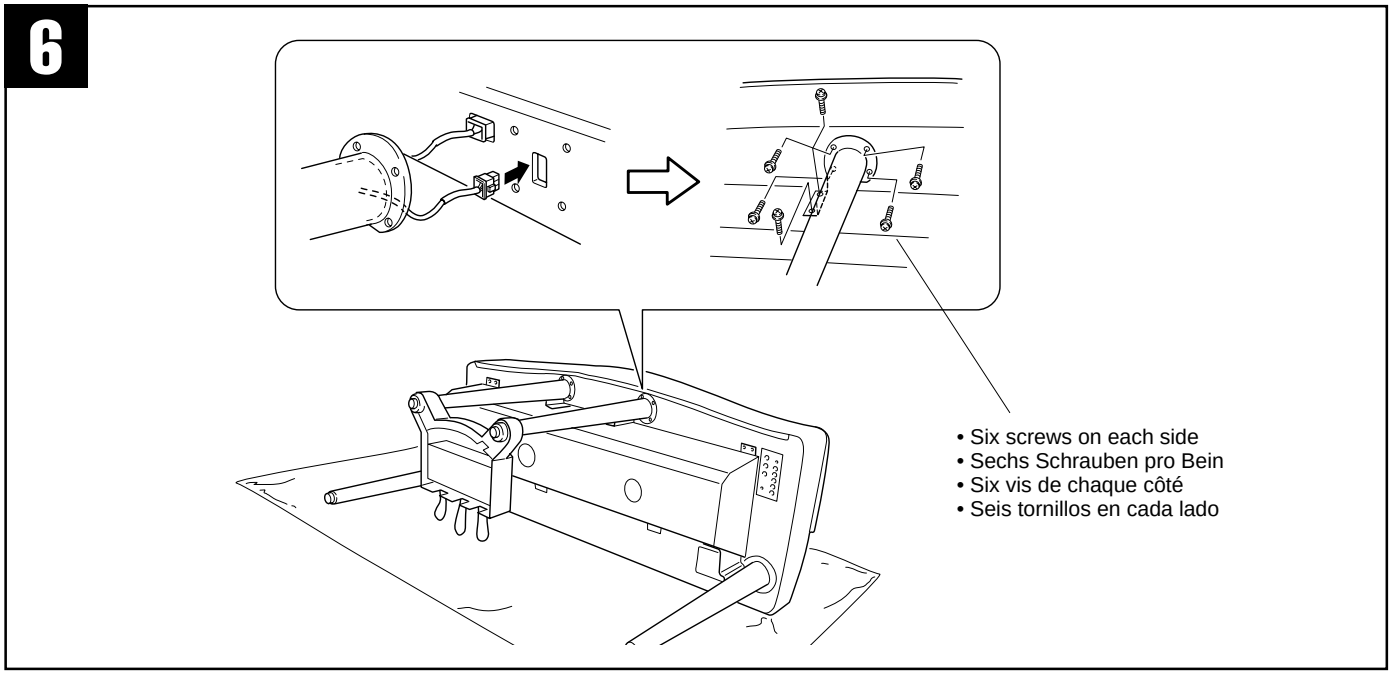
Nehmen Sie die Bespannung (wird an 6 Punkten von Plastikdübeln gehalten) vom Lautsprecherkasten ab. Setzen Sie den Lautsprecherkasten vorsichtig auf die Halterungen an den vorderen Beinen. (Vermeiden Sie dabei unbedingt ein Berühren der Lautsprechermembrane.) Das Lautsprecherkabel muß an der Hinterseite (d.h. oben) aus dem Lautsprecherkasten ragen. Befestigen Sie die Lautsprecherbox provisorisch mit jeweils vier Schrauben (5 x 12 mm) vorn und hinten an der Haupttastatur, ohne die Schrauben anzuziehen. (Die endgültige Befestigung des Lautsprechers erfolgt in Schritt **6**). Schließen Sie dann das Lautsprecherkabel an die Buchse der Haupteinheit an (die Führungsnase am Stecker muß dabei nach oben weisen).

6 Die Pedalkastengruppe montieren.

⚠VORSICHT

- *Halten Sie die Pedalkasten-Baugruppe beim Heben stets an beiden Beinen.*

Bevor Sie die Pedalkastengruppe mit den hinteren Beinen montieren, schließen Sie das aus dem linken Bein ragende Pedalkabel an die entsprechende Buchse der Haupteinheit an (die Führungsnase am Stecker muß dabei nach rechts weisen). Schieben Sie das überlange Kabel wieder in das Bein zurück, und schrauben Sie dann die hinteren Beine mit der Pedalkastengruppe provisorisch mit sechs Schrauben (5 x 12 mm) pro Bein (jeweils 4 für das Bein selbst und 2 für die Halterung am Bein) an die Haupteinheit. Nun können Sie alle 12 Schrauben an der Hinterbein-/Pedalbaugruppe und die 8 Schrauben zur Befestigung der Lautsprecherbox fest anziehen.



4 Posez les pieds avant.

Fixez les deux pieds avant en utilisant trois grosses vis 5 x 12 mm par pied (utilisez un tournevis cruciforme “+”) comme le montre l’illustration. Vérifiez que les vis sont serrées à fond.

5 Posez la boîte des haut-parleurs.

Retirez le couvercle du coffret du haut-parleur (fixé au coffret du haut-parleur en six endroits avec des chevilles en plastique) au coffret du haut-parleur. Poser la boîte des haut-parleurs sur les ferrures correspondantes des pieds avant. (Faites bien attention de ne pas toucher les haut-parleurs lorsque vous manipulez la boîte. Cela pourrait les endommager.) Assurez-vous que le cordon des haut-parleurs sort de l’arrière de la boîte. Fixez de façon lâche le boîtier du haut-parleur à l’unité principale du clavier en utilisant quatre vis de dimensions 5 x 12 mm à l’avant et à l’arrière. (Voir étape 6 pour fixation du haut-parleur). Branchez le connecteur du câble des haut-parleurs à la prise correspondante du clavier en veillant à ce que la partie en saillie du connecteur soit orientée vers le haut.

6 Fixez le pédalier.

⚠PRECAUTION

- *Lorsque vous soulevez l’ensemble de boîtier de pédale, soulevez-le par les deux bords.*

Avant de poser l’ensemble pied arrière/pédalier, branchez le connecteur du câble de pédalier sortant du pied gauche à la prise correspondante du clavier. Veillez à ce que la partie en saillie du connecteur soit dirigée vers la droite. Placez le câble en excès dans le pied et montez sans trop serrer l’ensemble pied arrière/pédalier en utilisant six grosses vis 5 x 12 mm pour chaque pied (4 vis par pied et 2 vis pour chaque ferrure de fixation). Après les avoir fixés de façon lâche, resserrez fermement les 12 vis sur le montage de l’arrière-pied et de la pédale et resserrez également les 8 vis sur le boîtier du haut-parleur.

4 Coloque las patas delanteras.

Fije las dos patas delanteras utilizando tres tornillos grandes de 5 x 12 mm para cada pata (emplee un destornillador de cabeza en cruz “+”), como se muestra en la figura. Asegúrese de que los tornillos queden bien apretados.

5 Monte la caja de altavoces.

Extraiga la cubierta de la caja de altavoces (unida a la caja de altavoces en 6 lugares con tapones de plástico) desde la caja de altavoces. Apoye con cuidado la caja de altavoces en las ménsulas correspondientes de las patas delanteras. (Tenga cuidado en no tocar los altavoces cuando se manipule la caja de altavoces. Podrían ocasionarse daños.) Asegúrese de que el cable de altavoz se extienda desde la parte posterior de la caja del altavoz. Fije suavemente la caja del altavoz al teclado principal utilizando cuatro tornillos grandes de 5 x 12 milímetros en la parte frontal y posterior. (El altavoz se fija en el paso 6). Introduzca el conector del cable de altavoces en el receptáculo correspondiente de la unidad del teclado principal, asegurándose de que el retenedor que sobresale del conector queda orientado hacia arriba.

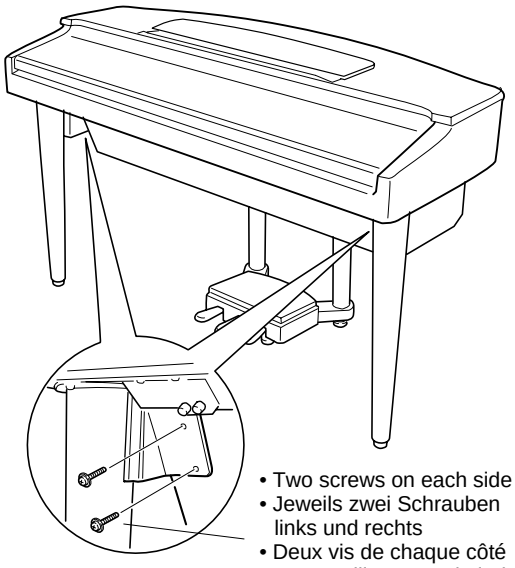
6 Monte el conjunto de la caja de pedales

⚠CUIDADO

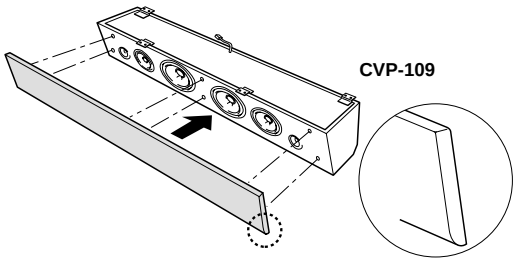
- *Cuando levante el conjunto de la caja de pedales, asegúrese de que levanta ambas patas.*

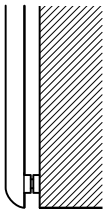
Antes de montar el conjunto de las patas traseras y la caja de pedales, introduzca la clavija del cable de los pedales, que se extiende desde la pata izquierda, en el receptáculo correspondiente de la unidad principal. Asegúrese de que el retenedor que sobresale del conector queda a la derecha. Introduzca el cable sobrante en la pata y fije sin apretar el conjunto de las patas traseras y los pedales utilizando 6 tornillos grandes de 5 x 12 mm para cada pata (cuatro tornillos por pata y dos tornillos en el soporte de cada pata). Una vez sujetos el pedal y la pata posterior, vuelva y apriete los 12 tornillos de los mismos, así como los 8 tornillos de la caja del altavoz.

7



- Two screws on each side
- Jeweils zwei Schrauben links und rechts
- Deux vis de chaque côté
- Dos tornillos en cada lado





- Make sure the plugs are fully inserted and there is no space left around the plugs and holes.
- Vergewissern Sie sich, daß die Dübel bis zum Anschlag in den Löchern sitzen und kein Zwischenraum verbleibt.
- Vérifiez que les chevilles sont complètement insérées et qu'il n'y a pas d'espace entre la cheville et le matériau.
- Asegúrese de que los tapones estén insertados a fondo y que no quede espacio en torno a los tapones y los orificios.

7 Secure the speaker box.

Stand the main unit on its legs and securely attach the speaker box to the bracket on the front legs using two 5 x 12 millimeter large screws for each bracket. If it is impossible to align the bracket holes with the speaker box holes, slightly loosen the three screws on each of the front legs, align the holes, and secure the speaker box. After the speaker box is firmly attached, retighten the screws on the front legs firmly. Put the speaker box cover back in place with the rounded edge of the cover at the bottom, insert the plugs on the cover into their corresponding holes on the speaker box.

⚠CAUTION

- *When attaching the cover first, make sure the cover is not upside-down (the plugs will damage the speakers if attached upside-down) and make sure you push where the plugs are. The speaker cover is made of a soft material so pushing in a place where there are no plugs may cause damage.*

8 Voltage Selector

Before connecting the AC power cord, check the setting of the voltage selector which is provided in some areas. To set the selector for 110V, 127V, 220V or 240V main voltages, use a "minus" screwdriver to rotate the selector dial so that the correct voltage for your region appears next to the pointer on the panel. The voltage selector is set at 240V when the unit is initially shipped.

After the proper voltage has been selected, connect the AC power cord to the AC INLET and an AC wall outlet.

A plug adaptor may be also provided in some areas to match the pin configuration of the AC wall outlets in your area.

⚠CAUTION

- *An improper voltage setting can cause serious damage to the CVP-109 /107 or result in improper operation.*

9 Set the adjuster.

For stability, an adjuster is provided on the bottom of the pedal box. Rotate the adjuster until it comes in firm contact with the floor surface. The adjuster ensures stable pedal operation and facilitates pedal effect control. If the adjuster is not in firm contact with the floor surface, distorted sound may result.

7 Den Lautsprecherkasten an den vorderen Beinen sichern.

Stellen Sie das Instrument nun auf seine Beine, um den Lautsprecherkasten zusätzlich mit jeweils zwei Schrauben (5 x 12 mm) an die Halterungen der beiden vorderen Beine zu schrauben. Sollten die Schraubenbohrungen nicht zur Deckung gebracht werden können, lösen Sie die Befestigungsschrauben der vorderen Beine ein wenig. Nach Festschrauben des Lautsprecherkastens dürfen Sie jedoch nicht vergessen, die Schrauben der Beine wieder fest anzuziehen. Bringen Sie nun die Bespannung mit der abgerundeten Kante nach unten weisend wieder am Lautsprecherkasten an, indem Sie die Plastikdübel in die entsprechenden Löcher stecken.

⚠VORSICHT

- *Vergewissern Sie sich zuerst, daß Sie die Bespannung nicht verkehrt herum aufgesetzt haben (wenn die Bespannung falsch sitzt, können die Lautsprecher von den Plastikdübeln beschädigt werden). Drücken Sie zum Anbringen der Bespannung nur auf die Stellen mit den Plastikdübeln. Die Bespannung besteht aus sehr weichem Material, so daß der Lautsprecher beim Drücken auf eine andere Stelle leicht beschädigt wird.*

8 Den Spannungswähler einstellen.

Bevor Sie nun das Netzkabel anschließen, müssen Sie den Spannungswähler (falls vorhanden) auf die örtliche Netzspannung einstellen. Zum Verstellen drehen Sie den Spannungswähler mit einem Schlitzschraubendreher, bis der richtige Spannungswert (110, 127, 220 oder 240) an der Pfeilmarkierung steht. Bei der Auslieferung werden alle Instrumente mit Spannungswähler auf "240" voreingestellt. Stecken Sie nach Auswahl der geeigneten Spannung ein Ende des Netzkabels in die Gerätebuchse AC INLET (Wechselstrom-Anschluß) und das andere Ende in eine Wandsteckdose. Einigen Geräten ist ein Adapter zum Anschließen an Wandsteckdosen mit einer anderen Anschlußbelegung beigepackt.

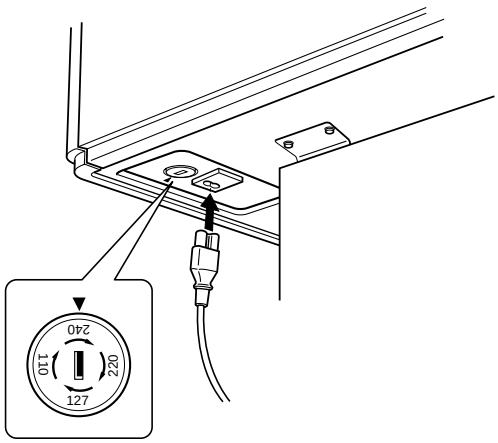
⚠VORSICHT

- *Ein falsch eingestellter Spannungswähler kann zur Beschädigung des CVP-109 /107 führen oder zu einem unsachgemäßen Betrieb.*

9 Die Pedalstützen einstellen.

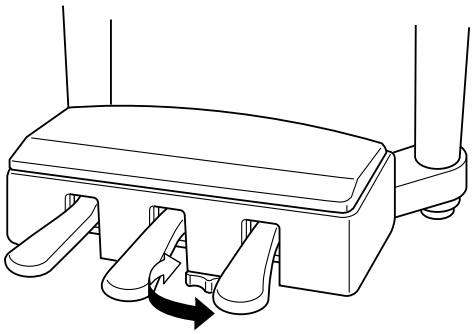
Zur Stabilisierung ist an der Unterseite des Pedalkastens ein Höhenversteller vorgesehen. Schrauben Sie den Höhenversteller heraus, bis er fest auf dem Fußboden steht. Der Höhenversteller sorgt für stabile Pedalbetätigung und ermöglicht eine präzise Regelung des Betätigungshubs. Wenn er nicht fest auf dem Boden steht, können beim Treten der Pedale Klangverzerrungen auftreten.

8



- A voltage selector is provided in some areas.
- Spannungswähler (nur in bestimmten Verkaufsgebieten)
- Un sélecteur de tension est prévu pour certaines régions
- El selector de tensión está provisto para ciertos destinos.

9



7 Fixer la boîte des haut-parleurs.

Mettez le clavier sur ses pieds et fixez la boîte des haut-parleurs à la ferrure de fixation des pieds avant à l'aide de deux grosses vis 5 x 12 mm par ferrure. S'il est impossible d'aligner les trous des ferrures de fixation sur les trous de la boîte des haut-parleurs, desserrez légèrement les trois vis de chaque pied avant, alignez les trous et fixez la boîte des haut-parleurs. Remettez le couvercle du coffret du haut-parleur à sa place, avec le bord arrondi de ce couvercle en bas, insérez les chevilles dans le couvercle et dans leurs trous correspondant sur le coffret du haut-parleur.

⚠PRECAUTION

- *En montant le couvercle d'abord, vérifiez qu'il n'est pas à l'envers (les chevilles risquent d'endommager les haut-parleurs si elles sont fixées à l'envers) et appuyez bien à l'endroit où se trouvent les chevilles. Le couvercle du haut-parleur est constitué d'une matière souple et le fait d'appuyer à un endroit où il n'y a pas de cheville pourrait l'endommager.*

8 Sélecteur de tension

Avant de connecter le cordon d'alimentation, vérifiez le réglage du sélecteur de tension qui est prévu pour certaines régions. Pour régler le sélecteur sur 110 V, 127 V, 220 V ou 240 V, utilisez un tournevis à lame plate pour tourner le cadran du sélecteur afin de mettre l'indication correspondant à la tension de votre région vis à vis du repère triangulaire situé sur le panneau. Le sélecteur de tension est réglé sur 240 V au départ d'usine.

Après avoir sélectionné la tension qui convient, branchez le câble d'alimentation de CA dans l'AC INLET (la prise de CA) puis dans une prise murale de CA.

Vous pouvez également dans certains cas avoir recours à un adaptateur de prise en fonction de la configuration des prises murales de CA de votre pays.

⚠PRECAUTION

- *Un mauvais réglage de la tension peut gravement endommager le CVP-109/107 ou entraîner des dysfonctionnements.*

9 Réglez la hauteur du pédalier.

Pour assurer la stabilité du pédalier, un dispositif de réglage a été prévu à sa partie inférieure. Tournez ce dispositif jusqu'à ce qu'il soit en contact ferme avec la surface du sol. Ce dispositif assure la stabilité du pédalier lors de son utilisation et facilite la commande au pied des effets. Si ce dispositif n'est pas en contact ferme avec le sol, il pourra se produire une distorsion du son.

7 Fije la caja de altavoces

Apoye la unidad principal sobre sus patas y monte con seguridad la caja de altavoces en el soporte de las patas delanteras utilizando dos tornillos grandes de 5 x 12 mm para cada soporte. Si es imposible alinear los orificios de los soportes con los orificios de la caja de altavoces, afloje un poco los tres tornillos de cada una de las patas delanteras, alinee los orificios y fije la caja de altavoces. Después de haber montado firmemente la caja de altavoces, vuelva a apretar bien los tornillos de las patas delanteras. Vuelva a poner la cubierta de la caja de altavoces en su lugar con el borde redondeado de la cubierta en la parte inferior, e introduzca los tapones de la cubierta en sus orificios correspondientes de la caja de altavoces.

⚠CUIDADO

- *Cuando monte la cubierta en primer lugar, cerciórese de que no queda boca abajo (los tapones dañarán los altavoces si se coloca boca abajo) y asegúrese de empujar por la parte de los tapones. La cubierta de altavoces está hecha de material blando, por lo que si se empuja por una parte donde no hay tapones, podrán ocasionarse daños.*

8 Selector de tensión

Antes de conectar el cable de alimentación de CA, compruebe el ajuste del selector de tensión que se incorpora para ciertos destinos. Para ajustar el selector a 110V, 127V, 220V ó 240V de la red de alimentación, emplee un destornillador de cabeza recta "-" para girar el selector de modo que la tensión correcta de su zona aparezca al lado del indicador del panel. El selector de tensión se ajusta a 240V cuando la unidad sale de fábrica. Cuando haya seleccionado la tensión correcta, conecte el cable de alimentación al conector AC INLET (entrada de CA) y a una toma de corriente.

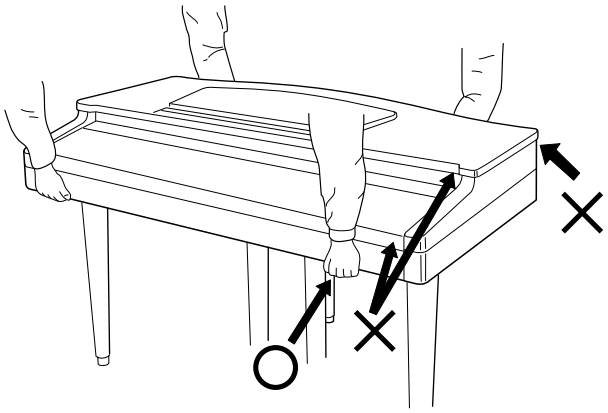
En algunos países también podrá suministrarse un adaptador de clavija para permitir su conexión a las tomas de corriente locales.

⚠CUIDADO

- *Un ajuste incorrecto de la tensión podrá ocasionar daños graves al instrumento CVP-109/107 o provocar un funcionamiento defectuoso.*

9 Ajuste los reguladores

Para la estabilidad del aparato, se proporciona un ajustador en la parte inferior de la caja de pedales. Gire el ajustador hasta que contacte firmemente con el suelo. El ajustador asegura una operación estable de los pedales y facilita el control del efecto de los pedales. Si el ajustador no contacta firmemente con el suelo, puede resultar en sonido distorsionado.



⚠CAUTION

- *When moving the instrument after assembly, always hold the lower surface of the main unit, NEVER the top portion or keyboard cover. Improper handling can result in damage to the instrument or personal injury.*

⚠VORSICHT

- *Fassen Sie zum Umstellen des Instruments nach dem Zusammenbau stets unter das Gehäuse; heben Sie es NIEMALS am oberen Teil des Gehäuses oder am Tastaturdeckel. Bei Nichtbeachtung dieses Punkts kann das Instrument beschädigt und im Extremfall eine Verletzung hervorgerufen werden.*

⚠PRECAUTION

- *Pour déplacer l'instrument après le montage, toujours tenir l'instrument par la surface inférieure, JAMAIS par sa partie supérieure ou par le protège-clavier. Une mauvaise manipulation peut provoquer des dommages ou des blessures.*

⚠CUIDADO

- *Cuando mueva el instrumento después del montaje, sostenga siempre la superficie inferior de la unidad principal, y NUNCA la parte superior de la cubierta del teclado. La manipulación indebida puede causar daños en el instrumento o personales.*

■ After completing the assembly, please check the following.

- Are there any parts left over?
  - ➔ Review the assembly procedure and correct any errors.
- Is the Clavinova clear of doors and other movable fixtures?
  - ➔ Move the Clavinova to an appropriate location.
- Does the Clavinova make a rattling noise when you shake it?
  - ➔ Tighten all screws.
- Does the pedal box rattle or give way when you step on the pedals?
  - ➔ Turn the adjuster so that it is set firmly against the floor.
- Is the power cord inserted securely into the socket?
  - ➔ Check the connection.
- If the main unit creaks or is otherwise unsteady when you play on the keyboard, refer to the assembly diagrams and retighten all screws.

■ Lorsque le montage est terminé, veuillez mener à bien les vérifications suivantes.

- Reste-t-il des pièces non utilisées?
  - ➔ Passer en revue la procédure de montage et corriger toute erreur éventuelle.
- Le Clavinova est-il placé à l'écart des portes et de toute autre structure mobile?
  - ➔ Déplacer le Clavinova vers un emplacement approprié.
- Lorsque vous secouez quelque peu le Clavinova, entendez-vous un cliquetis?
  - ➔ Serrer convenablement toutes les vis.
- Le pédalier fait-il du bruit ou s'écarte-t-il lorsque vous appuyez sur les pédales?
  - ➔ Tourner le stabilisateur de sorte que le Clavinova repose fermement sur le sol.
- Le câble d'alimentation est-il fermement inséré dans la prise ?
  - ➔ Vérifier toutes les connexions.
- Si la partie principale de l'appareil craque ou est instable lorsque vous jouez sur le clavier, consulter les diagrammes de montage et resserrer toutes les vis.

■ Wenn der Zusammenbau beendet ist, prüfen Sie bitte folgende Dinge:

- Sind Teile übrig geblieben?
  - ➔ Gehen Sie den Vorgang des Zusammenbaus noch einmal durch und korrigieren Sie eventuelle Fehler.
- Befindet sich das Clavinova weit genug von Türen und anderen beweglichen Vorrichtungen entfernt?
  - ➔ Bewegen Sie das Clavinova an einen entsprechend sicheren Ort.
- Macht das Clavinova Klappergeräusche, wenn Sie es schütteln?
  - ➔ Ziehen Sie alle Schrauben fest.
- Klappert der Pedalkasten oder gibt er nach, wenn Sie das Pedal treten?
  - ➔ Drehen Sie den Höhenversteller, bis er fest auf dem Fußboden steht.
- Steckt das Netzkabel ordnungsgemäß in der Steckdose?
  - ➔ Prüfen Sie die Verbindung.
- Wenn die Haupteinheit knarrt oder beim Spielen wackelt, betrachten Sie die Abbildungen und ziehen Sie alle Schrauben noch einmal nach.

■ Cuando haya concluido el montaje, compruebe los siguientes puntos:

- ¿Ha quedado alguna pieza sin instalar?
  - ➔ Revise el procedimiento de montaje y corrija cualquier error que se haya podido cometer.
- ¿Está el Clavinova alejado del recorrido de puertas y muebles?
  - ➔ Traslade el Clavinova a una posición adecuada.
- ¿Suena algún ruido de holgura cuando se mueve el Clavinova?
  - ➔ Apriete con firmeza todos los tornillos.
- ¿Vibra o cede la caja de pedales cuando se pisan los pedales?
  - ➔ Gire el estabilizador hasta que apoye firmemente sobre el suelo.
- ¿Ha insertado correctamente el cable de alimentación en el enchufe?
  - ➔ Revise las conexiones.
- Si la unidad principal cruje o presenta algún signo de inestabilidad cuando se toca el teclado, consulte los esquemas de montajee y vuelva a apretar todos los tornillos.

Specifications / Technische Daten / Spécifications / Especificationes

KEYBOARD		88 keys (A–1 — C7)
TONE GENERATOR		AWM (Advanced Wave Memory)
MAXIMUM SIMULTANEOUS POLYPHONY		128 (CVP-109), 64 (CVP-107/700), 64 (CVP-105), 64 (CVP-103)
VOICES		**Clavinova voices:** 224 (CVP-109/107/700), 195 (CVP-105/103) **Organ Flutes voices:** 6 (CVP-109/107/700) **XG voices:** 480 **Drum Kits:** 13 sets (CVP-109/107/700), 12 sets (CVP-105/103) **Voice Groups:** Piano, Electric Piano, Guitar, Synthesizer, Organ, Strings/Choir, Brass, Sax/Flute, Bass, Percussion, Ensemble, XG Dual, Split
EFFECTS		**Natural Reverb:** 5 types (CVP-109) **Reverb:** 12 types **Chorus:** 9 types **Effect:** 50 types x 2 (CVP-109/107/700), 45 types (CVP-105/103) **Vocal Harmony:** 42 types (CVP-109/107/700)
TONE CONTROLS		Master Equalizer (CVP-109/107/700)
ACCOMPANIMENT STYLES		**Rhythm Styles:** 157 (CVP-109), 147 (CVP-107/700), 135 (CVP-105), 125 (CVP-103) **Pianist Styles:** 35 **Custom Styles:** 12 (CVP-109/107/105/700), 4 (CVP-103) **Style Groups:** 8Beat, 16Beat, Ballad, Dance, Rock/R&B, Swing/Jazz, Latin, Country, Ballroom, Trad/Waltz, Pianist, Disk/Custom **Controls:** Intro, Main A, Main B ,Main C, Main D, Auto-fill, Ending, Fade in/out, Synchro, Start/Stop, Tap, Metronome, Tempo –/+
AUTO ACCOMPANIMENT		**Music Database:** 564 (CVP-109), 534 (CVP-107/700), 498 (CVP-105), 463 (CVP-103) Single Finger, Multi Finger, Fingered1, Fingered2, Full Keyboard Acmp Assist (CVP-109/107/105/700), Harmony, One Touch Setting, Chord Assist, Synchro Stop, Individual Part Volume Control (Mixer)
REGISTRATION		Bank A – E x 4 memory locations (20), Freeze, Registration Name (CVP-109/107/105/700)
SONG PLAY MODE		Song Playback, Repeat, Volume control of individual Parts (Mixer) **Controls:** Song, Play/Stop, Rewind, Fast forward, Pause **Guide Control:** Easy Play, Next Note, Sound Repeat Lyric Display, Piano Roll Display, Keyboard Guide Lamps
SONG RECORD MODE		Quick Recording, Track Recording, Chord Sequence, Step Edit (CVP-109/107/105/700), Song Name, Track Edit, Initial Edit, Setup Memory, Vocal Harmony Memory (CVP-109/107/700)
LCD/CONTROLS		320 x 240 dot (240 x 64 dot: CVP-103) liquid crystal display, Contrast dial, Beat lamp, Function button, Mixer button, Page ◀ ▶ buttons, Direct Access button, LCD buttons, data dial, –/+ buttons, Exit button
VOLUME CONTROLS		Master volume, Acmp/Song volume
DEMO/HELP		50 Demo Songs; 5 help languages (English, Japanese, German, French, Spanish)
DISK DRIVE		3.5-inch micro floppy disk drive
PEDAL CONTROLS	RIGHT	Damper, Pitch Bend (CVP-109/107/700)
	CENTER	Sostenuto
	LEFT	Soft, Damper (CVP-109/107/700), Start/Stop, Harmony, Registration, Registration Freeze, Ending/rit, Break, Break Fill, Bass Hold, Fade In/Out, Effect 1/2 Variation (CVP-109/107/700), Effect Variation (CVP-105/103), Glide
JACKS AND TERMINALS		PHONES jacks x 2, AUX OUT jacks (L/L+R, R), AUX IN jacks (L/L+R, R), EXP.PEDAL jack (CVP-109/107/700), MIC. jack (CVP-109/107/700), VIDEO OUT jack (CVP-109/107/700), TO HOST terminal, MIDI terminals (IN, OUT, THRU)
INPUT/OUTPUT SPECIFICATIONS		**AUX OUT:** Output Impedance: 600 Ω **AUX IN:** Input Impedance: 10 kΩ; Input Sensitivity: –10 dBm

	CVP-109	**CVP-107**	**CVP-105**	**CVP-103**	**CVP-700**
MAIN AMPLIFIERS	240W (60W x 4)	120W (60W x 2)	80W (40W x 2)	80W (40W x 2)	120W (60W x 2)
SPEAKERS	16cm x 2, 13cm x 2, 3cm x 2, 5cm x 2	16cm x 2, 5cm x 2, 3cm x 2	16cm x 2, 5cm x 2	16cm x 2, 5cm x 2	16cm x 2, 5cm x 2 3cm x 2
DIMENSIONS (W x D x H)	Music stand down				Lid down
	1415mm x 602mm x 887mm (55-3/4" x 23-11/16" x 34-15/16")	1415mm x 602mm x 887mm (55-3/4" x 23-11/16" x 34-15/16")	1402mm x 609mm x 888mm (55-3/16" x 24" x 35")	1394mm x 561mm x 854mm (54-7/8" x 22-1/16" x 33-5/8")	1417mm x 870mm x 908mm (55-3/4" x 34-1/4" x 35-3/4")
	Music stand up				Lid up
	1415mm x 602mm x 1054mm (55-3/4" x 23-11/16" x 41-1/2")	1415mm x 602mm x 1054mm (55-3/4" x 23-11/16" x 41-1/2")	1402mm x 609mm x 1049mm (55-3/16" x 24" x 41-5/16")	1394mm x 561mm x 1020mm (54-7/8" x 22-1/16" x 40-1/8")	1417mm x 870mm x 1253mm (55-3/4" x 34-1/4" x 49-3/8")
WEIGHT	71.3kg (157lbs., 3oz.)	66.3kg (146lbs., 3oz.)	64.1kg (141lbs., 5oz.)	Models with key cover: 56.0kg (123lbs., 7oz.) Models without key cover: 54.0kg (119lbs., 1oz.)	86.5kg (190lbs., 11oz.)

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