SPX2000

Digital Multi-effect Processor















Rear Panel

New-generation SPX effect unit with 24-bit 96-kHz processing and advanced REV-X reverb algorithms.

- Superb sonic quality with 24-bit/96-kHz processing throughout.
- 96-kHz DSP LSI with 32-bit internal processing (58-bit accumulator).
- 24-bit, 128-times oversampling AD and DA converters achieve 106 dB dynamic range and flat response from 20 Hz to 40 kHz at the 96-kHz sampling rate.
- REV-X reverb programs deliver the richest reverberation tone and smoothest decay available.
- In addition to a large range of ambience programs, including many that use the acclaimed REV-X reverb algorithms, the SPX2000 includes popular SPX programs such as gate reverbs, delays, pitch effects, modulation and other special effects.
- Other advanced algorithms such as Multi-band Dynamic Processors are inherited from the DM series Digital Production Consoles
- Professional analog and digital audio I/O and control connectors.
- SPX2000 Editor software provides a common operating environment and interface for the SPX2000 and Yamaha digital mixing consoles.

OPTION



GENERAL SPECIFICATIONS

Memory bank	PRESET: 97, USER: 99, CLASSIC: 27		
Sampling frequency rate	Internal : 44.1kHz,48kHz,88.2kHz,96kHz External: Normal rate: 44.1kHz (-10%) to 48kHz (+6%) Double rate: 88.2kHz (-10%) to 96kHz (+6%)		
Signal delay	Less than 426µs INPUT to OUTPUT (@fs=96kHz)		
Total harmonic distortion*1	Less than 0.05%, 20Hz to 20kHz @+14dBu into 600Ω (@fs=48kHz) Less than 0.05%, 20Hz to 40kHz @+14dBu into 600Ω (@fs=96kHz)		
Frequency response	20Hz - 20kHz, +1, -3dB, @+4dBu into 600Ω (@fs=48kHz) 20Hz - 40kHz, +1, -3dB, @+4dBu into 600Ω (@fs=96kHz)		
Dynamic range	106dB typ. AD+DA		
Hum & noise level (20Hz to 20kHz), Rs=150Ω	-80dBu residual noise		
Crosstalk (@1kHz)	-80dB input to output		
Power requirements	Japan: AC100V 50/60Hz, 25W North America: AC120V, 60Hz, 25W Other Areas: AC230V, 50/60Hz, 25W		
Power consumption	25W		
Dimensions (W x H x D)	480W x 45H x 372.5Dmm		
Weight	4.0kg		

*1 Total harmonic distortion is measured with a 18dB/Oct filter @80kHz.
*2 Hum & noise level is measured with a 6dB/oct filter @12.7kHz; equivalent to 20kHz filter with infinite dB/Oct attenuation.

ANALOG INPUT AND OUTPUT SPECIFICATIONS

	Innut Lovel		Impedance For use with		Level			
Terminal	Level SW	evel SW Input Level VR.		For use with nominal	Nominal	Max. before clip	Connector	
INDUT (L. D.)	+4dBu	Nominal: 0dB	10kΩ	600Ω Lines	+4dBu	+24dBu	XLR3-31 type*	
INPUT [L, R]	-10dBu	Max: +10dB	IUKS2	TUKS2 60052 Lines	-10dBu	+10dBu	TRS Phone Jack*	
OUTPUT	+4dBu	- 75Ω	75Ω 60	600Ω Lines	+4dBu	+24dBu	XLR3-32 type*	
[L, R]	-10dBu			/ 252	60075 Filles	-10dBu		TRS Phone Jack*

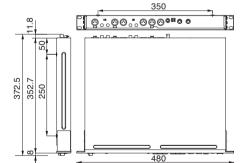
DIGITAL INPUT AND OUTPUT SPECIFICATIONS

Terminal	Format	Data Length	Level	Connector
AES/EBU (IN)	AES/EBU	24bit	RS422	XLR3-31 type
AES/EBU (OUT)	AES/EBU	24bit	RS422	XLR3-32 type

CONTROL I/O SPECIFICATIONS

Terminal		Format	Level	Connector
TO HOST	USB	USB 1.1 0	-3.3V	B Type USB Connector
MIDI	IN	MIDI		DIN Connector 5P
MIDI	OUT - THRU		-	DIN Connector 5P
WORD CLOCK	IN	-	TTL/75Ω	BNC Connector
FOOT SW	-	-	-	Phone Jack**

DIMENSIONS



EFFECT PROGRAM NO. LIST

No.	EFFECT NAME	CLASSIFICATION	LCD COLO
1	REV-X LARGE HALL	HALL	CYAN
2	REV-X MED HALL		
3	REV-X SMALL HALL		
4	REV-X TINY HALL		
5	REV-X WARM HALL		
6	REV-X BRITE HALL		
7	REV-X HUGE HALL		
8	AMBIENCE		
9	STEREO HALL		
-	VOCAL CHAMBER		
11	BRIGHT HALL		
	BREATHY REVERB		
	CONCERT HALL		
	REVERB FLANGE		
	REVERB STAGE		
	REV-X VOCAL PLT	PI ATF	1
	REV-X BRIGHT PLT	FLAIL	
	REV-X SNARE PLT		
	VOCAL PLATE ECHO ROOM 1		
	ECHO ROOM 2		
	PRESENCE REVERB		
	ARENA		
	THIN PLATE		
	OLD PLATE		
_	DARK PLATE		
27	REV-X CHAMBER	ROOM	
	REV-X WOOD ROOM		
	REV-X WARM ROOM		
	REV-X LARGE ROOM		
31			
	REV-X SMALL ROOM		
	REV-X SLAP ROOM		
	FAT REFLECTIONS		
	BIG SNARE		
	BAMBOO ROOM		
	REFLECTIONS		
	STONE ROOM		
	CONCRETE ROOM	0.175 05155	-
	REVERSE PURPLE	GATE REVERB	
	FULL METAL GATE		
	REVERSE GATE		-
43	DRUM MACH. AMB S	DRUM MACHINE	
	DRUM MACH. AMB L	REVERB	
	ELECT. SNR PLAT		
46	MONO DELAY	DELAYS	WHITE
47	120 BPM MONO DDL		
48	120 BPM X-DDL		
49	STEREO DELAY		
50	DELAY LCR		
51	KARAOKE ECHO		

33 VOCAL SHIFT 34 VOCAL SHIFT 35 FALL COMB 36 HALD COMB 37 GRUMPY FLUTTER 38 ROGER ON THE 12 39 BOTTOM WHACKER 60 VOICE DOUBLER 61 SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 64 CHORUS & REVERB 65 BASS CHORUS 65 STERC PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 67 TEMPO TOWN FLANGE 71 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD PILTER 76 DYNA FLANGE 77 DYNA FLANGE	No.	EFFECT NAME	CLASSIFICATION	LCD COLOR
44 STEREO PITCH 55 PITCH SLAP 56 HALO COMB 57 ROWINFY FLUTTER 58 ROGER ON THE 12 59 BOTTOM WHACKER 60 VOICE DOUBLER 61 SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 64 CHORUS A EVERB 65 BASS CHORUS 66 STEREO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 70 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA FLITER 77 DYNA FLITER 78 DYNA FLITER 78 DYNA FLITER 79 IN. BAND DYNA 60 MULTI FILTER 11 FLITERED VOICE 62 DISTORTION 63 AMP SIMULATOR 64 REV SYMPHONIC 68 REV → CHORUS 68 REV → STAMPHONIC 68 REV → SYMPHONIC 68 REV → STAMPHONIC 69 DELAY → ER 1 61 DELAY → ER 2 69 DELAY → ER 2 69 DELAY → ER 2 69 DELAY → ER 2 60 DELAY → ER 2 60 DELAY → ER 2 61 D	52	GOOD OL P.CHANGE	PITCH EFFECTS	MAGENTA
55 PITCH SLAP 56 HALO COMB 57 GRUMMY FLUTTER 58 ROGER ON THE 12 59 BOTTOM WHACKER 60 VOICE DOUBLER 61 SYMPHONIC 62 REV-SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 64 CHORUS & REVERB 65 SASS CHORUS 66 STERD PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 TANAGE 77 DYNA FLANGE 77 DYNA FLANGE 77 DYNA FLANGE 78 OYMA FLITER 79 W. BAND DYNA 80 MULTI FILTER 81 LITERED VOICE 82 DISTORTION 81 MISTORTION 84 DIST → FLANGE 85 SIEY → SYMPHONIC 85 REV → SYMPHONIC 86 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 81 REV → SYMPHONIC 81 REV → SYMPHONIC 82 DIST → DELAY 82 EV → SYMPHONIC 83 REV → SYMPHONIC 84 REV → STAPPHONIC 85 REV → SYMPHONIC 86 REV → SYMPHONIC 87 REV → STAPPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 89 REV → STAPPHONIC 80 REV → STAPPHONIC 81 REV → STAPPHONIC 81 REV → SYMPHONIC 81 REV → STAPPHONIC 81 REV → STAPPHONIC 82 REV → STAPPHONIC 83 REV → STAPPHONIC 84 REV → STAPPHONIC 85 REV → STAPPHONIC 86 REV → STAPPHONIC 87 REV → STAPPHONIC 88 REV → STAPPHONIC 89 REV → STAPPHONIC 80 REV → STAPPHONIC 80 REV → STAPPHONIC 81 REV → STAPPHONIC 82 REV → STAPPHONIC 83 REV → STAPPHONIC 84 REV → STAPPHONIC 85 REV → STAPPHONIC 86 REV → STAPPHONIC 87 REV → STAPPHONIC 87 REV → STAPPHONIC 88 REV → STAPPHONIC 89 REV → STAPPHONIC 80	53	VOCAL SHIFT		
56 HALD COMB 57 GRUMPY FLUTTER 58 ROGER ON THE 12 59 BOTTOM WHACKER 50 VOICE DOUBLER 61 SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 65 ETREC PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 70 TERMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 OWN FLANGE 77 DYNA FLANGE 77 DYNA FLANGE 77 DYNA FLANGE 78 DYNA FLANGE 78 DYNA FLANGE 79 M. BAND DYNA 80 MULTI FLITER 11 FLITERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 86 REV → CHORUS 81 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 LELAY→ ER 1 91 DELAY→ ER 1 91 DELAY→ ER 1 91 DELAY→ ER 2 93 DELAY→ ER 2 93 DELAY→ ER 2 94 DELAY→ ER 2	54	STEREO PITCH		
57 GRUMPY FLUTTER 58 ROGER ON THE 12 59 BOTTOM WHACKER 50 VOICE DOUBLER 51 SYMPHONIC 62 REV-SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 64 CHORUS & REVERB 65 HASS CHORUS 66 STEREO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 70 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FLITER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FLITER 78 DYNA FLITER 79 M. BAND DYNA 80 MULTI FILTER 79 M. BAND DYNA 80 MULTI FILTER 81 LITERE VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → ELANGE 85 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 89 REV → SYMPHONIC 89 REV → STANGE 81 DELAY → ER 2 91 DELAY→ ER 1 91 DELAY→ ER 2	55	PITCH SLAP		
88 ROGER ON THE 12 99 BOTTOM WHACKER 50 VOICE DOUBLER 61 SYMPHONIC 63 DETUNE CHORUS 63 DETUNE CHORUS 64 CHORUS A REVERB 65 BASS CHORUS 66 STEREO PHASING 67 CLASSY GLASSY 88 SILKY SWEEP 89 UP DOWN FLANGE 70 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FLETER 78 DYNA FLETER 79 M. BAND DYNA 80 MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 FILTERED VOICE 85 DIST → DELAY 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 90 DELAY → ER 1 91 DELAY-ER 1 91 DELAY-ER 1 91 DELAY-ER 2 92 DELAY → ER 2 93 DELAY → ER 2 93 DELAY → ER 2 94 DELAY-REV	56	HALO COMB		
59 BOTTOM WHACKER 50 VOICE DOUBLER 51 SYMPHONIC 52 REV-SYMPHONIC 52 REV-SYMPHONIC 53 DETUNE CHORUS 54 CHORUS & REVERB 56 STERD PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 70 TREMOLO 71 TREMOLO 71 TREMOLO 71 TREMOLO 72 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FILTER 78 WAG AFILTER 79 WAG PHASE 79 WAG PHASE 70 SYMPHASE 71 SYMA FILTER 78 M. BAND DYNA 79 M. BAND 70 M	57	GRUMPY FLUTTER		
60 VIOLE DOUBLER 61 SYMPHONIC 62 REV-SYMPHONIC 63 DETUNE CHORUS 66 BASS CHORUS 66 STEREO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 71 ROTARY SPEAKER 72 JAITO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FLITER 79 M. BAND DYNA 80 MULTI FILTER 11 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST→ FLANGE 85 DIST→ DELAY 86 REV→ SYMPHONIC 88 REV→ SYMPHONIC 89 CEV→ SYMPHONIC 80 DELAY→ ER 1 91 DELAY→ ER 1 91 DELAY→ ER 2 92 DELAY→ ER 1 93 DELAY→ ER 2 93 DELAY→ ER 2 94 DELAY→ RE 7 95 DELAY+ RE 7	58	ROGER ON THE 12		
61 SVMPHONIC 62 REV+SVMPHONIC 63 DETUNE CHORUS 63 DETUNE CHORUS 64 CHORUS & REVERB 65 TEREO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 71 TERMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DVMA FLANGE 77 DVMA FLANGE 77 DVMA PHASER 78 DVMA PHITER 78 DVMA PHITER 79 M. BAND DVMA 80 MULTI FILTER 81 FILTERED VOICE 82 DIST → DELAY 83 DIST → ELANGE 83 DIST → DELAY 86 REV → CHORUS 87 REV+FLANGE 88 REV → SYMPHONIC 89 REV → STANGE 81 DELAY→ ER 1 91 DELAY→ ER 2 92 DELAY→ ER 1 93 DELAY→ ER 2 93 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY→ ER 2 95 DELAY→ ER 2 95 DELAY→ ER 2 95 DELAY→ ER 2 95 DELAY→ ER 2 94 DELAY→ ER 2 95 DELAY→ ER 2 94 DELAY→ ER 2 95 DELAY→ ER 2 95 DELAY→ ER 2	59	BOTTOM WHACKER		
EQ. REV-SYMPHONUC B3 DETUNE CHORUS B4 CHORUS & REVERB 65 BASS CHORUS 66 STREED PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 71 REMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYMA FLANGE 77 DYMA FLANGE 77 DYMA FLANGE 77 DYMA FLANGE 78 DYMA FLORE 80 MULTI FILTER 90 MULTI FILTER 91 LITERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 85 DIST → DELAY 86 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 DELAY ← ST 10 DELAY ← ST 11 DELAY ← ST 12 DELAY ← ST 12 DELAY ← ST 13 DELAY ← ST 14 DELAY ← ST 15 DELAY ← ST 15 DELAY ← ST 16 DELAY ← ST 17 DELAY ← ST 18 DELAY ← ST 19 DELAY ← ST	60	VOICE DOUBLER		
83 DETUNE CHORUS 64 CHORUS & REVERB 65 BASS CHORUS 66 TEREO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 99 UP DOWN FLANGE 70 TREMOLO 71 ROTARY SPEAKER 72 ALTO PAN 73 PHASER 74 RING MODULATION 75 MOD FLITER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 HING FROM PHASE 79 M. BAND DYNA 80 MULTI FLITER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DISTS FLANGE 77 REV-FLANGE 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → STANGE 81 DELAY-ER 1 91 DELAY-ER 1 91 DELAY-ER 2 92 DELAY → ER 2 93 DELAY → ER 2 94 DELAY → ER 2 94 DELAY-REV	61	SYMPHONIC	MODULATION]
64 CHORUS & REVERB 65 BASS CHORUS 66 STERCO PHASING 67 CLASSY GLASSY 68 SILKY SWEEP 69 UP DOWN FLANGE 70 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FLITER 76 DYNA FLANGE 77 DYNA FLANGE 77 DYNA FLANGE 77 DYNA FLANGE 78 OYAS FLANGE 79 M. BAND DYNA 80 MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 MP SIMULATOR 84 DIST → FLANGE 85 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 80 REV → STANGE 80 REV → STANGE 81 DELAY → STANGE 81 DELAY → STANGE 81 DELAY → STANGE 82 DELAY → STANGE 83 DELAY → STANGE 84 DELAY → STANGE 85 DELAY → STANGE 86 REV → SYMPHONIC 87 DELAY → STANGE 88 REV → STANGE 88 REV → STANGE 89 DELAY → STANGE 80 DELAY → STANGE 80 DELAY → STANGE 81 DELAY → STANGE 81 DELAY → STANGE 82 DELAY → STANGE 83 DELAY → STANGE 84 DELAY → STANGE 85 DELAY → STANGE 86 DELAY → STANGE 87 DELAY → STANGE 88 DELAY → STANGE 89 DELAY → STANGE 80 DELAY → STANGE	62	REV+SYMPHONIC		
B5 BASS CHORUS B5 STERED PHASING B7 CLASSY GLASSY B8 SILKY SWEEP B9 UP DOWN FLANGE 70 TERMOLO 71 ROTARY SPEAKER 72 JALTO PAN 73 PHASER 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FLITER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATION 78 AMP SIMULATOR 44 DIST → ELANGE 78 TREVELANGE 79 TREVELANGE 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 44 DIST → ELANGE 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 89 REV → SYMPHONIC 99 TEV → SYMPHONIC 91 DELAY-ER 1 10 DELAY-ER 1 10 DELAY-ER 1 10 DELAY-ER 2 10 DELAY-ER 1 10 DELAY-ER 2 10 DELAY-RE 1 10 DELAY-RE 1 10 DELAY-RE 1 10 DELAY-RE 2	63	DETUNE CHORUS		
66 STEREO PHASING 67 CLASSY GAS 88 SILKY SWEEP 89 UP DOWN FLANGE 71 ROTARY SPEAKER 72 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 OWA FILTER 79 M. BAND DYNA 80 MULTI FILTER 80 INTER 81 LITERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 85 DIST → DELAY 86 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 89 LELAY → ER 1 91 DELAY ← ER 1	64	CHORUS & REVERB		
67 CLASSY GLASSY 68 SILKY SWEEP 99 UP DOWN FLANGE 70 TREMOLO 71 TREMOLO 71 TREMOLO 71 TREMOLO 71 TREMOLO 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FLITER 79 M. BAND DYNA MOUTH FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 FILTER DELAY 86 REV → CHORUS 85 DIST → DELAY 86 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 90 DELAY→ER 1 91 DELAY→ER 1 91 DELAY→ER 2 92 DELAY→ER 1 93 DELAY→ER 2 93 DELAY→ER 2 94 DELAY→RE 9	65	BASS CHORUS		
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99 UP DOWN FLANGE 70 TREMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 78 DYNA FLARGE 77 DYNA PHASER 78 DYNA FLARGE 78 DYNA FLARGE 78 DYNA FLARGE 78 DYNA FLARGE 79 M. BAND DYNA 81 FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST⇒ FLANGE 85 DIST⇒ DELAY 86 REV⇒ CHORUS 87 REV=FLANGE 88 REV⇒ SYMPHONIC 88 REV⇒ SYMPHONIC 88 REV⇒ SYMPHONIC 91 DELAY-ER 91 DELAY-ER 91 DELAY-ER 92 DELAY→ER 92 DELAY→ER 93 DELAY→ER 93 DELAY→ER 94 DELAY→ER 94 DELAY→ER 95 DELAY→ER 95 DELAY→ER 95 DELAY→ER 96 DELAY→ER 97 DELAY-RE 97 DELAY-RE 98 DELAY→ER 98 DELAY→ER 99 DELAY-RE 99 DELAY-RE 90 DELAY-RE 90 DELAY-RE 91 DELAY-RE 91 DELAY-RE 92 DELAY-RE 94 DELAY-RE 95 DELAY-RE 96 DELAY-RE 97 DELAY-RE 98 DELAY-RE 99 DELAY-RE 99 DELAY-RE	67	CLASSY GLASSY		
70 TERMOLO 71 ROTARY SPEAKER 72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FILTER 78 DYNA FILTER 78 H. RAND DYNA 80 MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 85 DIST → DELAY 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 89 REV → SYMPHONIC 80 REV → STAP 80 DELAY-ER 81 DELAY-ER 81 DELAY-ER 82 DELAY-ER 83 DELAY-ER 84 DELAY-ER 85 DELAY-ER 86 REV → SYMPHONIC 86 REV → SYMPHONIC 87 REV-FLANGE 88 REV → STAP 88 REV → STAP 80 DELAY-ER	68	SILKY SWEEP		
71 ROTARY SPEAKER 72 ROTARY SPEAKER 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 78 DYNA FILTER 78 DYNA FILTER 78 DYNA FILTER 78 DYNA FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 85 DIST → DELAY 86 REV → CHORUS 87 REV → FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 90 DELAY-ER 1 91 DELAY-ER 2 92 DELAY → ER 1 93 DELAY-RE 2 94 DELAY-RE V	69	UP DOWN FLANGE	İ	
72 AUTO PAN 73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 77 DYNA PHASER 78 DYNA FILTER 79 M. BAND DYNA 80 MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST> FLANGE 85 DIST> DELAY 86 REV> CHORUS 87 REV-FLANGE 88 REV> SYMPHONIC 88 REV> SYMPHONIC 88 REV> SYMPHONIC 89 REV> FLANGE 88 REV> SYMPHONIC 99 DELAY-ER 1 91 DELAY-ER 1 91 DELAY-ER 2 92 DILAY > ER 2 93 DELAY > ER 2 94 DELAY-ER 1 93 DELAY-ER 1 93 DELAY-ER 1 93 DELAY-ER 2 94 DELAY-REV	70	TREMOLO	İ	
73 PHASER 74 RING MODULATION 75 MOD FILTER 76 DYNA FLANGE 77 DYNA PHASER 78 DYNA FILTER 78 DYNA FILTER 78 DYNA FILTER 78 DYNA FILTER 80 MULTI FILTER 81 FILTER DYNA 80 MULTI FILTER 81 FILTER DYNA 80 MULTI FILTER 81 FILTER DYNA 80 MULTI FILTER 81 FILTER DYNA 80 MULTI FILTER 81 FILTER DYNA 81 MIN FILTER 81 FILTER DYNA 81 MIN FILTER 85 DISTORTION 81 MULTI FILTER 85 DISTORTION 81 MULTI FILTER 85 DISTORTION 81 MULTI FILTER 85 FILTER 85 FILTER 86 FILTER 87 FILTER 87 FILTER 87 FILTER 87 FILTER 87 FILTER 87 FILTER 88 FILTER 88 FILTER 88 FILTER 88 FILTER 88 FILTER 88 FILTER 89 FILTER 80 F	71	ROTARY SPEAKER	İ	
74 RING MODULATION 75 MOD FILTER 76 DVNA FLANGE 77 DVNA PHASER 77 DVNA PHASER 78 DVNA FLITER 79 M. BAND DVNA MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DISTS → FLANGE 85 DISTS → DELAY 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 99 DELAY→ER 1 91 DELAY→ER 1 91 DELAY→ER 2 92 DELAY→ER 2 93 DELAY→ER 2 93 DELAY→ER 2 94 DELAY→ER 2 95 DELAY→ER 2 95 DELAY→ER 2 95 DELAY→ER 2 96 DELAY→ER 2 96 DELAY→ER 2 97 DELAY→ER 2 97 DELAY→ER 2 98 DELAY→ER 2 98 DELAY→ER 2 98 DELAY→ER 2 98 DELAY→ER 2 98 DELAY→ER 2	72	AUTO PAN	İ	
75 MOD FILTER 76 DVMA FLANGE 77 DVMA PHASER 77 DVMA PHASER 78 DVMA PHASER 78 DVMA PHASER 79 DVM. BAND DVMA 80 MULTI FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST→ FLANGE 85 DIST→ DELAY 86 REV→ CHORUS 87 REV→FLANGE 88 REV→ SYMPHONIC 88 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ SYMPHONIC 89 REV→ STANGE 80 REV→ SYMPHONIC 80 REV→ SYMPHONI	73	PHASER	İ	
75 DYMA FLANGE 77 DYNA PHASER 78 DYNA FLITER 79 M. BAND DYNA 81 FILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST→ FLANGE 85 DIST→ DELAY 86 REV→ CHORUS 88 REV→ SYMPHONIC 88 REV→ SYMPHONIC 91 DELAY-ER 1 91 DELAY-ER 1 92 DELAY→ ER 1 93 DELAY→ ER 2 94 DELAY-REV	74	RING MODULATION	İ	
77 DVMA PHASER 78 DVMA FILTER 79 M. BAND DVMA 80 HITTER 81 FILTER VELLOW 82 DISTORTION 83 AMP SIMULATOR 84 DIST → FLANGE 85 DIST → DELAY 86 REV → CHORUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 89 REV → SYMPHONIC 80 REV → SYMPHON	75	MOD FILTER		
78 DVMA FILTER 79 M. BAND DVNA 80 MULTI HILTER 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST> FLANGE 85 DIST> DELAY 85 DIST> DELAY 86 REV> CHORUS 87 REV-FLANGE 88 REV> SYMPHONIC 88 REV> SYMPHONIC 89 REV→ FNAN 90 DELAY-ER 1 91 DELAY-ER 2 92 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY+REV	76	DYNA FLANGE		
79 M. BAND DYNA 8 MULTI FILTER 81 FILTERED VOICE 22 DISTORTION 8 81 PIST FLANGE 84 DIST → FLANGE 85 DIST → DELAY 86 REV → CHORRUS 87 REV-FLANGE 88 REV → SYMPHONIC 88 REV → SYMPHONIC 90 DELAY-ER 1 91 DELAY-ER 1 92 DELAY-ER 2 92 DELAY → ER 2 94 DELAY-REV	77	DYNA PHASER		
80 MULTI-FILTE 81 FILTERED VOICE 82 DISTORTION 83 AMP SIMULATOR 84 DIST → ELANGE 85 DIST → DELAY 86 REV→ CHORUS 87 REV-HANGE 88 REV→ SYMPHONIC 89 REV→ SYMPHONIC 90 PEV→ SYMPHONIC 91 DELAY-ER 1 10 DELAY-ER 1 92 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY→ ER 2 94 DELAY-REV	78	DYNA FILTER	FILTER	YELLOW
81 FILTERED VOICE 22 DISTORTION 33 AMP SIMULATOR 43 DIST> FLANGE 55 DIST> DELAY 66 REV> CHORRUS 77 REV-FLANGE 88 REV> SYMPHONIC 90 DELAY-ER 1 91 DELAY-ER 1 92 DELAY-ER 2 92 DELAY→ ER 2 93 DELAY→ ER 2 94 DELAY-RE 9 95 DELAY-RE 9 96 DELAY-RE 9 97 DELAY-RE 9 97 DELAY-RE 9 98 DELAY-RE 9 99 DELAY-RE 9 99 DELAY-RE 9 90 DELAY-RE 9 90 DELAY-RE 9 90 DELAY-RE 9 90 DELAY-RE 9				
22 DISTORTION 23 DISTORTION 33 AMP SIMULATOR 34 DIST → ELANGE 35 DIST → DELAY 68 REV → CHORUS 27 REVALANGE 38 REV → SYMPHONIC 39 REV → PANN 90 DELAY-ER 1 91 DELAY-ER 1 92 DELAY → ER 2 94 DELAY-REV	80	MULTI FILTER		
83 AMP SIMULATOR 44 DIST→FLANGE 85 DIST→DELAY 86 REV→GHORUS 7 REV→FLANGE 88 REV→SYMPHONIC 89 REV→SYMPHONIC 90 DELAY-ER 1 91 DELAY-ER 2 92 DELAY→ER 2 93 DELAY→FR 2 94 DELAY-REV	81	FILTERED VOICE	İ	
83 AMP SIMULATOR 44 DIST→FLAMGE 85 DIST→DELAY 86 REV+FLAMGE 87 REV+FLAMGE 88 REV→SYMPHONIC 99 REV→PAN 90 DELAY+GR 1 91 DELAY+GR 2 92 DELAY→S R 1 93 DELAY→S R 2 94 DELAY+REV			DISTORTION	1
85 DIST → DELAY 86 REV→ CHORUS 87 REV-FLANGE 88 REV→ SYMPHONIC 89 REV→ PAN 90 DELAY-ER 1 91 DELAY-ER 2 92 DELAY → ER 1 93 DELAY-RE 2 94 DELAY-RE 2				
85 DIST → DELAY 86 REV→ CHORUS 87 REV-HANNE 88 REV → SYMPHONIC 89 REV → SYMPHONIC 99 REV → PAN 90 DELAY-ER 1 91 DELAY-ER 2 92 DELAY → ER 1 93 DELAY-RE 2 94 DELAY-REV	84	DIST → FLANGE		
88 REV > CHORUS 87 REV-FLANGE 88 REV > SYMPHONIC 89 REV > PAN 90 DELAY-ER 1 91 DELAY-ER 1 92 DELAY-ER 2 92 DELAY > ER 1 93 DELAY > ER 2 94 DELAY-REV	85			
87 REV_ALANGE 88 REV → SYMPHONIC 89 REV → PAN 90 DELAY+ER 1 91 DELAY+ER 2 92 DELAY → ER 1 93 DELAY → ER 2 94 DELAYREV			MIIITIPLE	1
88 REV → SYMPHONIC 88 REV → PAN 90 DELAY4ER 1 91 DELAY4ER 2 92 DELAY → ER 1 93 DELAY → ER 2 94 DELAY4REV			IMOETH EE	
89 REV → PAN 90 DELAY+ER 1 91 DELAY+ER 2 92 DELAY → ER 1 93 DELAY → ER 2 94 DELAY+REV			İ	
90 DELAY+ER 1 91 DELAY+ER 2 92 DELAY - ER 1 93 DELAY - ER 2 94 DELAY+REV			İ	
91 DELAY+ER 2 92 DELAY → ER 1 93 DELAY → ER 2 94 DELAY+REV			İ	
92 DELAY → ER 1 93 DELAY → ER 2 94 DELAY+REV				
93 DELAY → ER 2 94 DELAY+REV				
94 DELAY+REV				
	-			
96 RESO DRONE				
97 FREEZE SAMPLING			SAMPLING	1

CLASSIC BANK

unit: mm

No.	EFFECT NAME	LCD COLOR	
1	REV1 HALL	GREEN	
2	REV2 ROOM		
3	REV3 VOCAL		
4	REV4 PLATE		
5	EARLY REF1		
6	EARLY REF2		
7	DELAY LR		
8	STEREO ECHO		
9	STEREO FLANGE A		
10	STEREO FLANGE B		
11	CHORUS A		
12	CHORUS B		
13	STEREO PHASING		

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No.	EFFECT NAME	LCD COLOR
14	TREMOLO	GREEN
15	SYMPHONIC	
16	GATE REVERB	
17	REVERSE GATE	
18	REVERB & GATE	
19	PITCH CHANGE A	
20	PITCH CHANGE B	
21	PITCH CHANGE C	
22	PITCH CHANGE D	
23	FREEZE A	
24	FREEZE B	
25	PAN	