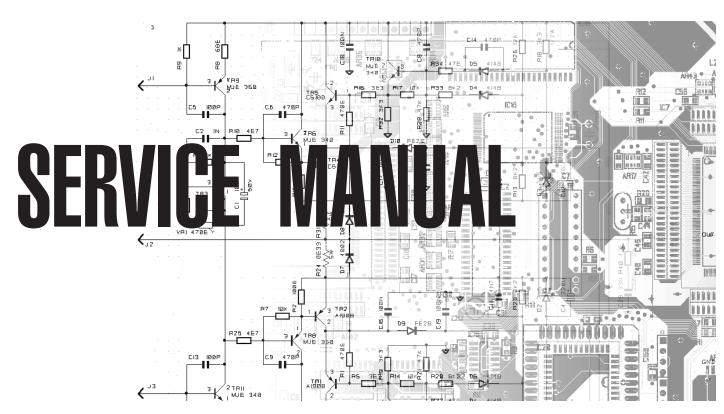
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40-bit DUAL STEREO DIGITAL EFFECT PROCESSOR





► CODE: 270250

Index

Technical Specifications & Preset Table

Controls & Rear Panels

Schematic Diagram

Timing Table & Spare Part List

Warnings

Service must be carried out by qualified personnel only. Any tampering carried out by unqualified personnel during the guarantee period

For a correct operation of the instrument, after having switched off, be careful to wait at least 3 seconds before switching on again

To improve the device's specifications, the schematic diagrams may be subject to change without prior notice.

manufacturer's specified parts.

The (µ) micro symbol of capacitance value is substituted by U.

The (Ω) omega symbol of resistance value is substituted by E.

The electrolytic capacitors are 25Vdc rated voltage unless otherwise specified.

All switches shown in the "OFF" position. All DC voltages measured to ground with a voltmeter 20KOhm/V.

- ← Soldering point. Male connector.
- Supply voltage.
- 5- Female connector. M/F faston connector.
- Flag joined with one or more flags with the same signal name inscribed.
- Logic supply ground. _ Analog supply ground.
- L Chassis ground.
- Earth ground.

ATTENTION Observe precautions when handling electrostatic sensitive devices.

Address



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EV 22	• TECHNICAL SPECIFICATIONS				
	INPUT section				
Connectors	2 x JACK 1/4" unbalanced				
Input sensitivity	0 dB / 0.775 V				
Max. input level	+12 dB				
Impedance	47 kOhms				
mpedanee	OUTPUT section				
Connectors	2 x JACK 1/4" unbalanced				
Nominal output level	0 dB				
Max. output level	+12 dB				
Impedance	1 kOhms				
	DSP section				
A/D converters	20 bit				
D/A converters	24 bit				
Internal dynamics	40 bit				
Sampling frequency	48 kHz				
	Features				
Configurations	DUAL STEREO / COMBI				
Type of effects	Hall, Room, Vocal, Plate & Gate Reverbs - Delay - Chorus - Flanger -				
	Phaser - Rotary				
Presets	121 + 121 PRESET BANK & VARIATIONS selectors				
Controls					
	DUAL/COMBI selector				
	MIX & OUTPUT controls				
	LED PEAK & POWER ON				
	MUTE FOOTSWITCH connector				
	General Specifications				
Frequency response	20 Hz - 20 kHz				
Dynamic range	102 dB				
Distortion (THD)	0.06% @ 1 kHz (dry)				
Power supply	AC/DC ADAPTER 12V / 500 mA				
Dimensions	210 x 40 x 170 mm (WxHxD)				
Weight	1.2 kg				

		FX 22 -	PRESE	ΓTABL	E
1 BRIGHT HALL					
No. Variation	Pre-delay	Rev Time	Room Size	HF filter	
1 Large Hall	22	2.4	54	6.94	
2 Mid Hall 3 Small Hall	14 12	1.5 0.7	38 20	6.94 8.98	
4 Concert Hall	35	0.7	45	3.21	
5 Brass Hall	40	1.7	50	8.98	
6 Crystal Mid	22	1.7	35	thru	
7 Crystal Small	22	1	27	thru	
8 Choir Large	40	2.4	50	11.6	
9 Choir Mid 10 Percussion Mid	16 16	1.7 1.7	38	11.6 8.98	
11 Percussion Small	20	1.7	35 5	8.98	
		1.7		0.00	
2 WARM HALL No. Variation	Pre-delay	Rev Time	Room Size	HF filter	
1 Large Hall	23	2.9	55	1.49	
2 Mid Hall	14	1.7	38	1.92	
3 Small Hall	11	0.7	22	1.49	
4 Large Acoustic	20	1.7	45	1.92	
5 Small Acoustic	15	1.5	25	2.49	
6 Concert Hall 7 Horn Hall	35 50	0.9 2.1	45 40	1.15 5.37	
8 Cathedral	50 50	2.1 6.1	40 55	5.37 1.49	
9 Jazz Club	12	0.6	22	1.49	
10 Stadium	50	2.4	55	0.53	
11 Theatre	50	1.5	55	0.53	
3 ROOM					
No. Variation	Pre-delay	Rev Time	Room Size	HF filter	
1 Large Room	15	2.4	57	8.98	
2 Mid Room	15	1.7	45	5.37	
3 Small Room	7	0.8	25	2.49	
4 Tom Room 5 BD Room	8 7	1.3 0.8	35 35	8.98 5.37	
6 SD Room 1	4	1.7	25 35	5.57 1.15	
7 SD Room 2	6	0.9	35	1.15	
8 Small Wood	9	1	30	3.21	
9 Bright Room	9	1.2	30	8.98	
10 Dark Room	12	1.2	25	0.53	
11 Studio	8	0.8	15	1.49	
4 VOCAL					
No. Variation	Pre-delay	Rev Time	Room Size	HF filter	
1 Female Slow 2 Female Mid	70 40	2.9 1	70 55	3.21 1,15	
3 Female Fast	30	0.9	15	3.21	
4 Male Slow	70	2.9	70	4.16	
5 Male Mid	40	1	55	0.69	
6 Male Fast	30	0.9	15	4.16	
7 Backing Vox 1	70	0.7	50	6.94	
8 Backing Vox 2	40	0.6	50 35	8.98	
9 Backing Vox 3 10 Child Slow	10 40	1.3 1.7	35 50	1.15 2.49	
11 Child Fast	15	0.9	28	1.15	
5 PLATE					
No. Variation	Pre-delay	Rev Time	Room Size	HF filter	
1 Drums Small	6	0.9	10	6.94	
2 Drums Mid	8	1.2	22	5.37	
3 Drums Large	40	3.6	22	8.98	
4 Piano Small	15 25	0.6	5 42	11.6	
5 Piano Mid 6 Piano Large	25 20	2.1 1.3	42 42	11.6 5.37	
7 Vocal Small	15	1.3	15	1.15	
8 Vocal Mid	33	2.1	45	6.94	
9 Vocal Large	70	3.6	60	5.37	
S .			00	6.94	
10 Choir Small	14	1	20		
10 Choir Small 11 Choir Large		1 2.1	45	6.94	
10 Choir Small 11 Choir Large 6 GATE	14 35	2.1	45		
10 Choir Small 11 Choir Large 6 GATE No. Variation	14 35 <i>Pre-delay</i>	2.1 Rev Time	45 Room Size	HF filter	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1	14 35 Pre-delay 8	2.1 Rev Time 1.5	45 Room Size 27	HF filter 6.94	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1 2 Drums Gate 2	14 35 <i>Pre-delay</i> 8 8	2.1 Rev Time 1.5 1.2	45 Room Size 27 22	<i>HF filter</i> 6.94 5.37	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1	14 35 Pre-delay 8	2.1 Rev Time 1.5	45 Room Size 27	HF filter 6.94	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1 2 Drums Gate 2 3 SD Gate	14 35 <i>Pre-delay</i> 8 8 8	2.1 Rev Time 1.5 1.2 0.9	45 Room Size 27 22 35	<i>HF filter</i> 6.94 5.37 1.15	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1 2 Drums Gate 2 3 SD Gate 4 BD Gate 5 Percussion Gate 6 Vocal Gate	14 35 Pre-delay 8 8 6 7 7 40	2.1 Rev Time 1.5 1.2 0.9 0.8 1.2 0.6	45 Room Size 27 22 35 25 23 80	HF filter 6.94 5.37 1.15 5.37 6.94 8.98	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1 2 Drums Gate 2 3 SD Gate 4 BD Gate 5 Percussion Gate 6 Vocal Gate 7 Brass Gate	14 35 Pre-delay 8 8 6 7 7 40 40	2.1 Rev Time 1.5 1.2 0.9 0.8 1.2 0.6 1.7	45 Room Size 27 22 35 25 23 80 50	HF filter 6.94 5.37 1.15 5.37 6.94 8.98 8.98	
10 Choir Small 11 Choir Large 6 GATE No. Variation 1 Drums Gate 1 2 Drums Gate 2 3 SD Gate 4 BD Gate 5 Percussion Gate 6 Vocal Gate	14 35 Pre-delay 8 8 6 7 7 40	2.1 Rev Time 1.5 1.2 0.9 0.8 1.2 0.6	45 Room Size 27 22 35 25 23 80	HF filter 6.94 5.37 1.15 5.37 6.94 8.98	

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		FX 22 -	PRESE	T TABL	.E			
10 Strong Cut 1 11 Strong Cut 2	10 10	1.2 0.8	20 20	3.21 3.21				
7 DELAY								
No. Variation	Left Delay	Right Delay	Left F.B.	Right F.B.				
1 Stereo 75 bpm	200	400	47%	23%				
2 Stereo 110 bpm	272	545	47%	23%				
3 Stereo 120 bpm	250	500	50%	23%				
4 Stereo 132 bpm	227	454	50%	23%				
5 Stereo 160 bpm	187.5	375	50%	23%				
6 Bounce 100 bpm	300	150	0%	0%				
7 Bounce 120 bpm	500	250	0%	0%				
8 Tape Back	35	75	10%	10%				
9 R&R	70	80	19%	18%				
10 Robotica	20	10	50%	58%				
11 Tube	35	35	53%	52%				
8 CHORUS / FLANGER								
No. Variation	Mod. Freq.	Mod. Depth	Pan. Depth	Left F.B.	Right F.B.			
1 Vocal Chorus 1	0.7	0.8	0					
2 Vocal Chorus 2	1.5	0.675	0.14					
3 Guitar Chorus 1 4 Guitar Chorus 2	0.6	0.615	0.29					
4 Guitar Chorus 2 5 Rich Chorus	0.3 1	0.87 0.87	0.25 0.29					
6 Vibra Chorus	5.2	0.67	0.29					
7 Moving Flanger	1.5	0.255	0.475	60%	60%			
8 Guitar Flanger	1.5	0.43	0.473	58%	57%			
9 Rich Flanger	1.5	0.665	0.43	68&	48%			
10 Large Flanger	0.1	0.895	0.165	68%	75%			
11 Under Water	4.7	0.86	0.545	58&	77%			
9 PHASER / ROTARY								
No. Variation	Mod. Freq.	Mod. Depth	F.B.	LPF	Fast/Slow			
1 Fast Phaser	6.1/0.8	0.675	65%	-19	. 400 0.011			
2 Mid Phaser	0.8	0.675	65%	-19				
3 Slow Phaser	0.5/0.8	0.675	65%	-19				
4 Funky Phaser	1/2	0.58/0.575	31%	-6				
5 Large Phaser	0.5/0.2	1	79%/78%	-6				
6 Slow Rotary					SLOW			
7 Fast Rotary		•		•	FAST			
8 Fast Tremolo 9 Slow Tremolo	0 0	0 0	0 0	0 0				
10 Hard Rotation	16.3/19.6	0.43/0.44	55%/53%	0				
11 Sweet Rotation	3.8/11.2	0.43/0.115	31%/33%	0				
10 REVERB + DELAY								
No. Variation	Pre-delay	Rev Time	Room Size	HF filter	Left Delay	Right Delay	Left F.B.	Right F.B.
1 Heavy Vocals	5	4.5	30	3.21	300	150	24%	60%
2 Soft Vocals	20	1	15	6.94	111.20	150	0	0
3 Percussion Hall	16	1.7	35	0.00	000	100	45%	45%
4.0	10		00	8.98	200	100		
4 Small Reflections	16	1	15	8.98 8.98	100	90	5%	5%
5 Plate Delay	16 18	1 1.7	15 20	8.98 8.98	100 300	90 150	5% 38%	60%
5 Plate Delay6 Speed Room	16 18 18	1 1.7 2.4	15 20 14	8.98 8.98 24	100 300 340	90 150 112	5% 38% 16%	60% 38%
5 Plate Delay6 Speed Room7 Gymnasium	16 18 18 225	1 1.7 2.4 1.5	15 20 14 20	8.98 8.98 24 6.94	100 300 340 200	90 150 112 209.29	5% 38% 16% 38%	60% 38% 38%
5 Plate Delay6 Speed Room7 Gymnasium8 Smooth Church	16 18 18 225 20	1 1.7 2.4 1.5 2.1	15 20 14 20 38	8.98 8.98 24 6.94 3.21	100 300 340 200 150	90 150 112 209.29 250	5% 38% 16% 38% 54%	60% 38% 38% 29%
5 Plate Delay6 Speed Room7 Gymnasium8 Smooth Church9 Backing Vox	16 18 18 225 20 20	1 1.7 2.4 1.5 2.1 1.7	15 20 14 20 38 30	8.98 8.98 24 6.94 3.21 6.94	100 300 340 200 150 111.20	90 150 112 209.29 250 150	5% 38% 16% 38% 54% 0	60% 38% 38% 29% 0
5 Plate Delay6 Speed Room7 Gymnasium8 Smooth Church9 Backing Vox10 Back Gate	16 18 18 225 20	1 1.7 2.4 1.5 2.1 1.7 0.6	15 20 14 20 38 30 10	8.98 8.98 24 6.94 3.21 6.94 6.94	100 300 340 200 150 111.20 200	90 150 112 209.29 250 150 300	5% 38% 16% 38% 54% 0	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box	16 18 18 225 20 20 5.	1 1.7 2.4 1.5 2.1 1.7	15 20 14 20 38 30	8.98 8.98 24 6.94 3.21 6.94	100 300 340 200 150 111.20	90 150 112 209.29 250 150	5% 38% 16% 38% 54% 0	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS	16 18 18 225 20 20 5.	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7	15 20 14 20 38 30 10 30	8.98 8.98 24 6.94 3.21 6.94 6.94	100 300 340 200 150 111.20 200	90 150 112 209.29 250 150 300 8	5% 38% 16% 38% 54% 0 0	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation	16 18 18 225 20 20 5. 5	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7	15 20 14 20 38 30 10 30	8.98 8.98 24 6.94 3.21 6.94 6.94 <i>HF filter</i>	100 300 340 200 150 111.20 200 10	90 150 112 209.29 250 150 300 8	5% 38% 16% 38% 54% 0 0 71%	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals	16 18 18 225 20 20 5. 5	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7	15 20 14 20 38 30 10 30 **Room Size 20	8.98 8.98 24 6.94 3.21 6.94 6.94 HF filter 1.15	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals	16 18 18 225 20 20 5. 5 Pre-delay 15 8	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1	15 20 14 20 38 30 10 30 **Room Size 20 40	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1	16 18 18 225 20 20 5. 5	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7	15 20 14 20 38 30 10 30 **Room Size 20 40 43	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98	100 300 340 200 150 111.20 200 10 Mod. Freq. 0.6 0.6 2.4	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675 0.835	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1	15 20 14 20 38 30 10 30 **Room Size 20 40	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1 4 Backing Vox 2	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38 125	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1 1.2 2.1	15 20 14 20 38 30 10 30 Room Size 20 40 43 20	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98 8.98	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6 2.4 2.4	90 150 112 209.29 250 150 300 8 Mod. Depth 0.86 0.675 0.835 0.63	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37 0	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1 4 Backing Vox 2 5 Guitar Combo	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38 125 8	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1 1.2 2.1 1.2	15 20 14 20 38 30 10 30 Room Size 20 40 43 20 30	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98 8.98 8.98	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6 2.4 2.4 1	90 150 112 209.29 250 150 300 8 Mod. Depth 0.86 0.675 0.835 0.63 0.835	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37 0 0.395	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1 4 Backing Vox 2 5 Guitar Combo 6 Electric Hall 7 Soft Chords 8 Room Combo	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38 125 8 15 10 15	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1 1.2 2.1 1.2 1.7 1.3 0.8	15 20 14 20 38 30 10 30 Room Size 20 40 43 20 30 30 15 30	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98 8.98 8.98 5.37 11.6 1.49	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6 2.4 2.4 1 7.1	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675 0.835 0.63 0.835 0.475 1 0.475	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37 0 0.395 0.755	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1 4 Backing Vox 2 5 Guitar Combo 6 Electric Hall 7 Soft Chords 8 Room Combo 9 New Gothic	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38 125 8 15 10 15 5	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1 1.2 2.1 1.2 1.7 1.3 0.8 2.9	15 20 14 20 38 30 10 30 80 80 80 80 80 80 80 80 80 80 80 80 8	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98 8.98 8.98 5.37 11.6 1.49 1.49	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6 2.4 2.4 1 7.1 1 8.9 1.5	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675 0.835 0.63 0.835 0.475 1 0.475 0.475	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37 0 0.395 0.755 0.475 0 0.755	60% 38% 38% 29% 0
5 Plate Delay 6 Speed Room 7 Gymnasium 8 Smooth Church 9 Backing Vox 10 Back Gate 11 Guitar Box 11 REVERB + CHORUS No. Variation 1 Heavy Vocals 2 Soft Vocals 3 Backing Vox 1 4 Backing Vox 2 5 Guitar Combo 6 Electric Hall 7 Soft Chords 8 Room Combo	16 18 18 225 20 20 5. 5 Pre-delay 15 8 38 125 8 15 10 15	1 1.7 2.4 1.5 2.1 1.7 0.6 1.7 Rev Time 2.1 1 1.2 2.1 1.2 1.7 1.3 0.8	15 20 14 20 38 30 10 30 Room Size 20 40 43 20 30 30 15 30	8.98 8.98 24 6.94 3.21 6.94 6.94 6.94 HF filter 1.15 4.16 8.98 8.98 8.98 5.37 11.6 1.49	100 300 340 200 150 111.20 200 10 <i>Mod. Freq.</i> 0.6 0.6 2.4 2.4 1 7.1 1 8.9	90 150 112 209.29 250 150 300 8 <i>Mod. Depth</i> 0.86 0.675 0.835 0.63 0.835 0.475 1 0.475	5% 38% 16% 38% 54% 0 0 71% Mod. Pan 0.6 0.6 0.37 0 0.395 0.755 0.475 0	60% 38% 38% 29% 0

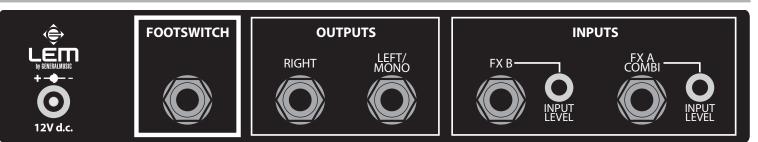
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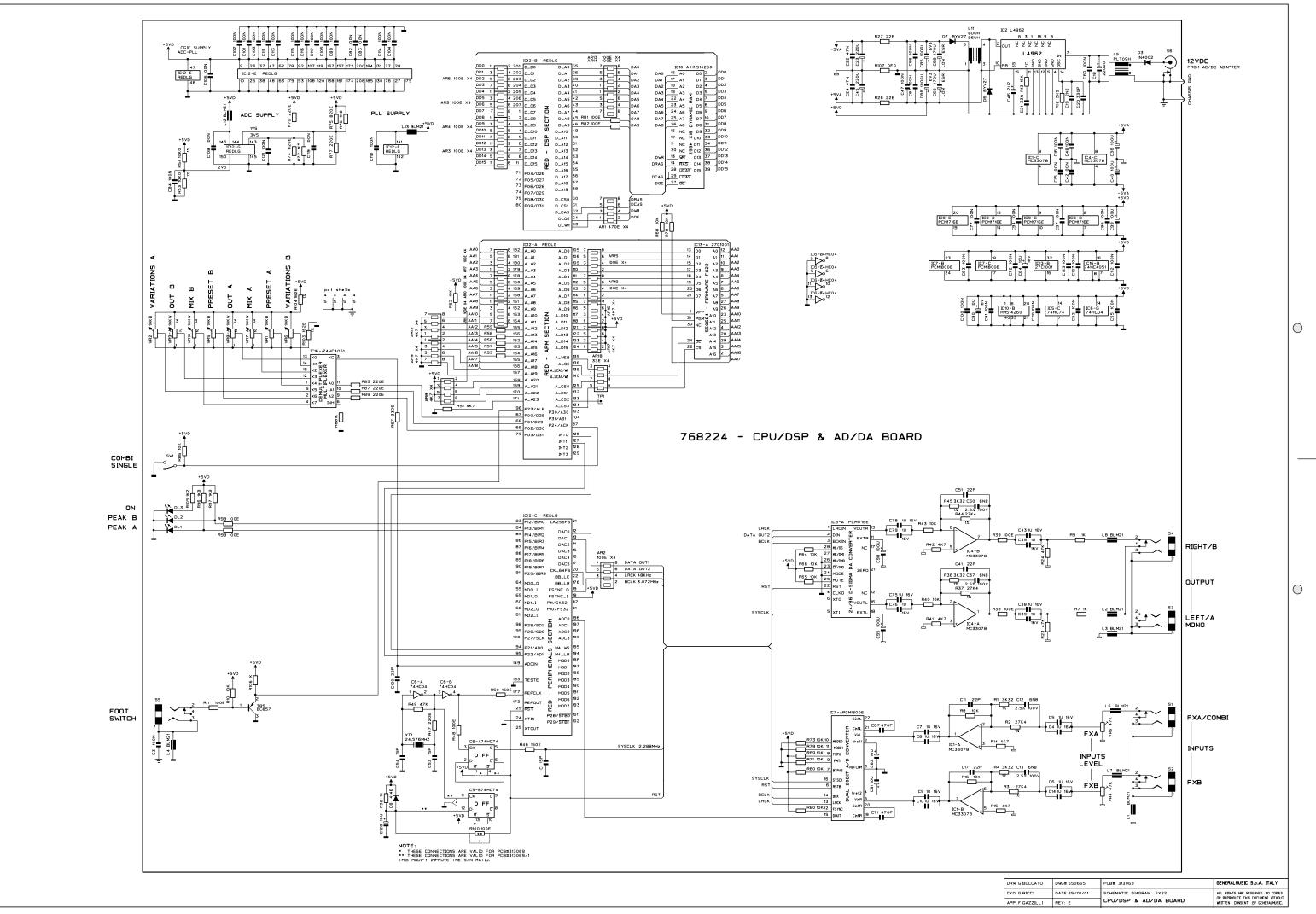
CONTROLS PANEL

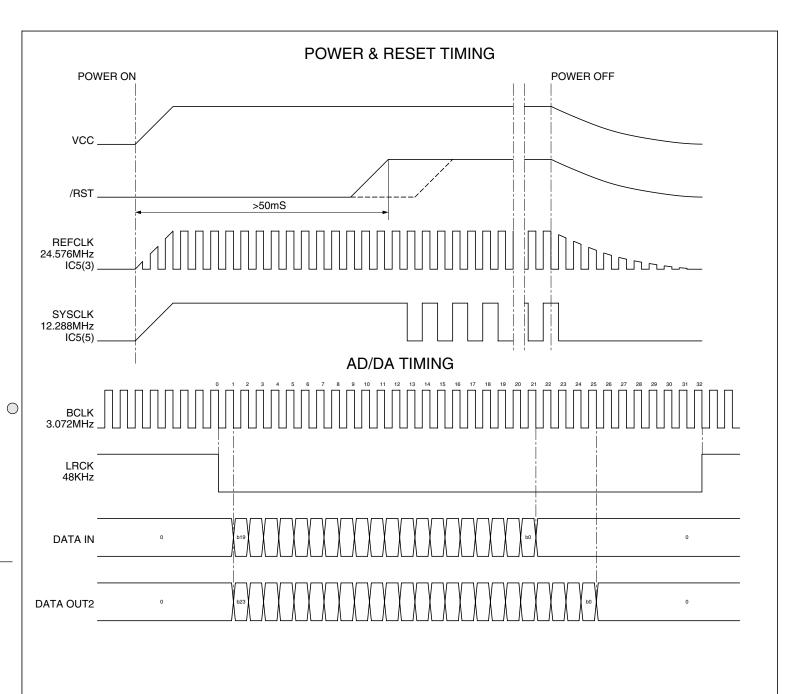


REAR PANEL



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DRW BOCCATO

CKD L.GIBIN

APP. GAZZILLI

DWG# 550666 PCB#

DISK: 6 PRT: 1/1

REV: 29/01/01

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055026 055024 055012 052039 050171 042655 042632 042605 042385 042260 030950 030805 030565 030485 030245 030082 031000 022002 021020 021018 021004 011103 011260 011232 GENERALMUSIC S.p.A. ITALY 011230 011216

Spare Part List Description **Optional Accessories** Rack Support Accessories SKK888022 230Vac/12Vdc-500mA AC/DC Adapter SKK888023 115Vac/12Vdc-500mA AC/DC Adapter Owner's Manual (Italian/English) **FX22 Digital Effect** SKK768224 Main Board (Pcb# SKK313069/1) 550684 * 27C1001 1Mbit Eprom "FX22 Firmware 25x25mm Thermoconductor Adhesive 231000 BLM21A102STP Smd EMI Coil For Signal 20uH 50V 3A Dc Line Filter 230559 * 80-85uH Switching Dual Coil 230523 177736 Controls Back Plate * 177690 Heatsink 171039 Ground Leaf 140606 32pin IC Socket 140220 Jack Slim Horizontal S-F Socket APJ678 Adimpex 140211 Dc Horizontal Male Socket * B2.9x6.5mm Screw 120276 110267 1sw 2pos Horizontal Slider Switch 106001 MC33078P SOIC Dual Low Noise Op. Amp 105008 RED208 Risc Cpu and Dsp 104003 HM514260JP SOJ 4Mbit Dynamic Ram Ta=70ns 103043 PCM1716 24 Bit Stereo Dac PCM1800 20 Bit Stereo Adc 103042 103017 74HC4051DW SOIC 8ch Analog Multiplexer * 74HC04D SOIC Hex Inverter 103010 103007 74HC74D SOIC Dual Flip-Flop L4962 5-40V 1.5A Switching Regulator 100901 BC857 TO236 Smd Pnn Transistor 091001 081000 PMLL4148 Smd 100mA 75V Signal Diode 080706 * Led 3mm 60deg Diffused Green 080705 Led 3mm 60deg Diffused Red 080170 BYV27 2A 100V Fast Recovery Diode 1N4002 1A 100V Rectifier Diode 080156 SKK074000 * 10KB Hor Rotary Potentiometer 074590 10KW Hor Rotary Potentiometer w/click SKK074001 10KB Hor Rotary Potentiometer w/11click SKK070000 * 47K 20% Ver Linear Trimmer +Knob 470E X4 1/16w 5% Smd Resistor Array 055103 33E X4 1/16w 5% Smd Resistor Array 055102 4K7 X4 1/16w 5% Smd Resistor Array 100E X4 1/16w 5% Smd Resistor Array 055100 * 47K 1/16w 5% Smd Resistor 0603 055056 055050 15K 1/16w 5% Smd Resistor 0603 055048 10K 1/16w 5% Smd Resistor 0603 055044 * 4K7 1/16w 5% Smd Resistor 0603 3K9 1/16w 5% Smd Resistor 0603 055043 1K8 1/16w 5% Smd Resistor 0603 055039 1K5 1/16w 5% Smd Resistor 0603 055038 055036 1K 1/16w 5% Smd Resistor 0603 055035 820E 1/16w 5% Smd Resistor 0603 330E 1/16w 5% Smd Resistor 0603 055030 220E 1/16w 5% Smd Resistor 0603 055028 150E 1/16w 5% Smd Resistor 0603 100E 1/16w 5% Smd Resistor 0603 10E 1/16w 5% Smd Resistor 0603 1K8 1/8w 5% Resistor 22F 1/4W 5% Resistor * 27K4 1/4W 1% Metalized Film Resistor 18K2 1/4W 1% Metalized Film Resistor 10K0 1/4W 1% Metalized Film Resistor 162E 1/4W 1% Metalized Film Resistor 0F 1/4W Resistor 470u 16V 20% Low Esr Vert Electrolytic Capacitor 2200u 25V 20% Vert Electrolytic Capacitor 1000u 6v3 20% Vert Electrolytic Capacitor 220u 25V 20% Vert Electrolytic Capacitor 100u 25V 20% Vert Electrolytic Capacitor 10u 50V 20% Vert Electrolytic Capacitor 2u2 50V 20% Vert Electrolytic Capacitor 10u 16V 20% SMD Vert Electrolytic Capacitor 1n5 2.5% 100V MKP Polypropylene Capacitor 47n 63V 10% MKT Polyester Capacitor * 33n 63V 10% MKT Polyester Capacitor 2n2 63V 10% MKT Polyester Capacitor * 1u 16V 10% Smd CL2 XTR 1206 100n 16V 10% Smd CL2 X7R 0603 * 470p 16V 10% Smd CL2 X7R 0603 * 330p 16V 10% Smd CL2 X7R 0603 * 22p 16V 10% Smd CL2 X7R 0603

SKK667718	Cover
SKK667717	Chassis
347399	Yellow Knob
347398	White Knob
347397	Black Knob
340329	Rubber Bush for Cable
120276	B2.9x6.5mm Screw
120029	M3x6tc Black Screw
Note:	
	part is single quantity unless otherwise specified.
	ix explanation:
Omitted	= First level spare part.
	= Second level, part of previous listed first level part.
	= Third level, part of previous listed second level part.
	k =
Any request	
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5) Quantity number.

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* 15p 16V 10% Smd CL2 X7R 0603

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