# Roland

# **Contact Information**

How you can reach Roland, either by phone, fax, or online services.

# **FaxBack Catalogs**

Catalogs of documents available 24 hours a day from Roland's FaxBack service.

# **Retail Price Lists**

Suggested list prices for all current Roland and Boss products.

# Reinitialization Listings

Step-by-step instructions for resetting Roland products to their factory presets.

# **Adapter Guide**

Recommended power adapters for use with Roland products.

# **Accessory Guide**

Popular options available for Roland products.

# **GR-1 Sequencing Supplemental Notes**

Comprehensive information to help with MIDI sequencing on the GR-1.

### **TurboStarts**

Quick guides for easily demonstrating features of many Roland products.

March 6, 1997

Main Phone Number (213) 685-5141 Roland Super Shop (800) 386-7575 Dealer Order Number (800) 868-3737

### **Extensions**

Sales, Parts, Repair, and Owner's Manuals FAX Back System Literature Orders VS-880 Promotional Video	289 271 331 798
Product Support Main Menu	770
Hard Disk Recording and Sampling Products	482
Desktop Media Production Products	497
Guitar and Percussion Products	498
CK/Intelligent Arranger/Sequencer Products	499
Keyboards and Sound Modules	463

### **Fax Numbers**

Customer Service	(213) 721-4875
Marketing Department	(213) 722-9233
Musical Instruments Department	(213) 726-2633
Product Support	(213) 726-8865
Service Department	(213) 722-7408

# Supplemental Notes

April 15, 1997

If you're online, you can get answers to common tech support questions, download software updates and demo files, and check out everything that's new at Roland.

On The Internet

## http://www.rolandus.com

To access the Software Downloads area:

- On the Roland Home Page, click on SOFTWARE DOWNLOADS.
- 2. Click on any file to read it's description, then click the underlined name in the description to download the file.





On America Online

### **Keyword ROLAND**

To access the Software Downloads area:

- 1. Select KEYWORD from the GoTo menu.
- 2. Type Roland and press ENTER.
- 3. Click the SOFTWARE DOWNLOADS button.
- 4. Choose a file to download and click Download Now.

### On CompuServe

### **GO ROLAND**

To access the Software Downloads area:

- 1. Click on the GO button.
- 2. Type Roland and click OK.
- 3. If you haven't been to the MIDI C Vendor forum before, click the JOIN button.
- 4. Click the BROWSE LIBRARY button.
- 5. Choose Roland Corp. files and click SELECT.
- 6. Select a file from the list and click RETRIEVE.



# Catalog One

# **Retail Price Lists**

Information on Roland and BOSS products is available to your fax machine 24 hours, 7 days a week, from Roland Corporation U.S.

Doc # Price List Pgs

### 30001 Roland Retail

6

Digital Samplers, Synthesizers & Sound Modules, MIDI Controllers, Digital Pianos, Electronic Percussion, Guitar Products, Sequencers, Signal Processors, Digital Recording & Processing, DeskTop Media Production, and Amplifiers

### 30002 BOSS Retail

2

Compact Pedals, Volume & Expression Pedals, Multi-Effects, Rhythm Units, Signal Processors, and Tuners & Metronomes

### **30003 Roland and BOSS Accessories**

2

Carrying Bags & Cases, Power Cords & Adaptors, MIDI Cables, Patch Cables, Foot Pedals, Memory Cards, Headphones, and Books & Videos



# Catalog Two

# **Product Specifications & Info**

Information on Roland and BOSS products is available to your fax machine

24 hours, 7 days a week, from Roland Corporation U.S.

213-685-5141 Ext. 271

Doc#	Model		Pgs
Keyb	oards an	d Sound Modules	
10077	A-33	MIDI Keyboard Controller	2
10074	A-90/EX	Expandable Controller	3
10017	E-12	Intelligent Synthesizer	2
10004	E-38	Intelligent Synthesizer	2
10005	E-66	Intelligent Synthesizer	2
10140	ep-7mkII/9	Digital Piano	1
10006	FP-1	Digital Piano	1
10163	G-800	Arranger Workstation	3
10160	JP-8000	Music Synthesizer <b>NEW!</b>	2
10037	JV-35	Expandable Synthesizer	5
10037	JV-50	Expandable Synthesizer	5
10037	JV-90	Expandable Synthesizer	5
10013	JV-880	Synthesizer Module	2
10036	JV-1080	Super JV Synth Module	2
10162	JV-2080	Super JV Synth Module NEW!	2
10104	KC-300	Keyboard Amplifier	1
10078	KC-500	Keyboard Amplifier	2
10103	LVC-1N	Lyrics Video Converter	1
10203	M-BD1	Bass and Drums Module NEW!	2
10028	M-GS64	Synthesizer Module	3
10028	M-OC1	Orchestral Module	3
10028	M-SE1	String Ensemble Module	3
10028	M-VS1	Vintage Synth Module	3
10149	PK-5	Dynamic MIDI Pedal	2
10085	PMA-5	Personal Music Assistant	3
10138	PMA-5	PMA-5 Patch Listing	2
10023	RA-30	Realtime Arranger	3
10023	RA-95	Realtime Arranger	3
10102	RA-800	Realtime Arranger	2
10039	RD-500	Digital Piano	2
10197	RD-600	Digital Piano <b>NEW!</b>	2
10025	SC-50	SoundCanvas	2
10041	SC-55mkll	SoundCanvas	1
10027	SC-88	Super SoundCanvas	3
10082	SR-JV80-09	Session Exp Board	1
10198	SR-JV80-10	Bass & Drums Exp Board <b>NEW!</b>	1
10146	TN-SC2	Music Style Cards	1

Doc#	Model		Pgs
Keyb	oards an	d Sound Modules con	t.
10075	VE-RD1	Voice Expansion Board	1
10201	VK-7	Combo Organ NEW!	2
10153	XP-10	Multitimbral Keyboard	2
10032	XP-50	Music Workstation	3
10073	XP-80	Music Workstation	1
Elect	ronic Pe	rcussion	
10105	DR-5	Dr. Rhythm Section	4
10000	DR-550mkll	Dr. Rhythm	4
10000	DR-660	Dr. Rhythm	4
10022	R-8mkII	Human Rhythm Composer	3
10021	R-70	Human Rhythm Composer	3
10042	SPD-11	Total Percussion Pad	2
10043	TD-5K	Compact Drum System	2
10001	TDB- 7K	Compact Drum System	4
10001	TDE- 7K	Compact Drum System	4
10200	V-PROKIT	V-Drum Compact System NEW!	3
10193	TD-10	V-Drum Sound Module <b>NEW!</b>	2
Digit	al Recor	ding and Processing	
<b>Digit</b> 10157	AP-700	ding and Processing Advanced Equalizing Processor	2
			2
10157	AP-700	Advanced Equalizing Processor	-
10157 10152	AP-700 DIF-800	Advanced Equalizing Processor Digital Interface	1
10157 10152 10098	AP-700 DIF-800 DM-800	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder	1
10157 10152 10098 10081	AP-700 DIF-800 DM-800 SN-700	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator	1 3 1
10157 10152 10098 10081 10071	AP-700 DIF-800 DM-800 SN-700 VS-880	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation	1 3 1 4
10157 10152 10098 10081 10071 10202 10072	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion <i>NEW!</i> Effects Expansion Board	1 3 1 4 1
10157 10152 10098 10081 10071 10202 10072	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion <i>NEW!</i> Effects Expansion Board	1 3 1 4 1
10157 10152 10098 10081 10071 10202 10072	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board	1 3 1 4 1
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b>	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Sampl DA-400	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board  ATS 4 ch D/A Converter	1 3 1 4 1 1
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board ers 4 ch D/A Converter Sampling Workstation	1 3 1 4 1 1
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101 10012	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII JS-30	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board  CTS 4 ch D/A Converter Sampling Workstation Sampling Workstation	1 3 1 4 1 1 2 3
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101 10012 10195	AP-700 DIF-800 DM-800 SN-700 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII JS-30 L-CDP-14	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board 4 ch D/A Converter Sampling Workstation Sampling Workstation Africa Vol.2 CD ROM NEW!	1 3 1 4 1 1 1 2 3 1
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101 10012 10195 10019	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII JS-30 L-CDP-14 MS-1 S-760	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board  ers 4 ch D/A Converter Sampling Workstation Sampling Workstation Africa Vol.2 CD ROM NEW! Digital Sampler	1 3 1 4 1 1 2 3 1 2
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101 10012 10195 10019	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII JS-30 L-CDP-14 MS-1	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board ers 4 ch D/A Converter Sampling Workstation Sampling Workstation Africa Vol.2 CD ROM NEW! Digital Sampler Digital Sampler	1 3 1 4 1 1 2 3 1
10157 10152 10098 10081 10071 10202 10072 <b>Digit</b> 10034 10101 10012 10195 10019 10024 <b>Sequ</b>	AP-700 DIF-800 DM-800 SN-700 VS-880 VS-880-S1 VS8F-1 al Samp DA-400 DJ-70mkII JS-30 L-CDP-14 MS-1 S-760 encers	Advanced Equalizing Processor Digital Interface Multi Track Disk Recorder Noise/Hum Eliminator Digital Studio Workstation VS-880 System Expansion NEW! Effects Expansion Board  ers 4 ch D/A Converter Sampling Workstation Sampling Workstation Africa Vol.2 CD ROM NEW! Digital Sampler	1 3 1 4 1 1 1 2 3 1 2 6



# Catalog Two

# **Product Specifications & Info**

Information on Roland and BOSS products is available to your fax machine

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213-685-5141 Ext. 271

Doc#	Model		Pgs
Soun	d Reinfo	rcement Products	
10188	AF-70	Feedback Eliminator <b>NEW!</b>	2
10205	DR-10	Dynamic Microphone NEW!	1
10205	DR-20	Dynamic Microphone NEW!	1
10093	EQ-131	Graphic Equalizer	1
10094	EQ-215	Graphic Equalizer	1
10095	EQ-231	Graphic Equalizer	1
10096	MA-8	Stereo Micro Monitors	1
10196	MA-8Bk	Stereo Micro Monitors	1
10089	PA-410	Powered Mixer	2
10087	RX-62	Stereo Mixer	1
10088	RX-82	Stereo Mixer	1
10090	SRA-260	Power Amplifier	1
10091	SRA-540	Power Amplifier	1
10092	SRA-800	Power Amplifier	1
Guita	r Produc	cts	
10033	AC-100	Acoustic Chorus Amplifier	2
10080	BC-30/210	Blues Cube Amplifier	1
10079	BC-60/310	Blues Cube Amplifier	1
10192	GC-405 /X	Guitar Amplifiers <b>NEW!</b>	2
10007	GI-10	Guitar MIDI Interface	1
10008	GP-100	Guitar Preamp/Processor	2
10009	GR-09	Guitar Synthesizer	2
10035	GR-1	Guitar Synthesizer	3
10161	GR-30	Guitar Synthesizer w/ Arp NEW!	2
10097	GT-5	Guitar Effects Processor	3
10083	GX-700	Guitar Effects Processor	3
10204	JC-90	Jazz Chorus Amplifier NEW!	1
10011	JC-120	Jazz Chorus Amplifier	1
10016	ME-6	Guitar Multi-Effects	4
10018	ME-6B	Bass Multi-Effects	2
10207	ME-8	Guitar Multi-Effects	3
10060	ME-8B	Bass Multi-Effects	1
10016	ME-10	Guitar Multi-Effects	4
10030	TM-7	Guitar Monitor w/Amp Sim.	2
10031	VG-8	V-Guitar System	3
10076	VG8D-1/2	VG-8 Data Cards	1
10070	VG8S-1	VG-8 System Expansion	1

Doc#	Model		Pgs
Expa	nsion Bo	ard Listings	
10106	SR-JV80-01	Pop Exp Patch Listing	1
10107	SR-JV80-01	Pop Exp Waveform Listing	1
10108	SR-JV80-02	Orchestral Exp PatchListing	1
10109	SR-JV80-02	Orchestral Exp Waveform Listing	1
10110	SR-JV80-03	Piano Exp Patch Listing	1
10111	SR-JV80-03	Piano Exp WaveformListing	1
10112	SR-JV80-04	Vintage Exp PatchListing	1
10209	SR-JV80-04	Vintage Exp JD Patch Listing	1
10113	SR-JV80-04	Vintage Exp WaveformListing	1
10114	SR-JV80-05	World Exp Patch Listing	1
10115	SR-JV80-05	World Exp Waveform Listing	1
10116	SR-JV80-06	Dance Exp Patch Listing	1
10117	SR-JV80-06	Dance Exp Waveform Listing	1
10118	SR-JV80-07	Super Sound Set PatchListing	1
10119	SR-JV80-07	Super Sound Set WaveformListing	1
10120	SR-JV80-08	60s & 70s Keys PatchListing	1
10121	SR-JV80-08	60s & 70s Keys WaveformListing	1
10122	SR-JV80-09	Session Exp PatchListing	1
10123	SR-JV80-09	Session Exp Waveform Listing	1
10165	SR-JV80-10	Bass & Drums Exp WaveListing	1
10166	SR-JV80-10	Bass & Drums Exp PatchListing	1
lome	ga Produ	ucts	
10150	JAZ-EXT1	Iomega Jaz Drive - External	2
10151	ZIP-EXT1	Iomega Zip Drive - External	2
BOSS	<b>Pedals</b>	and Accessories	
10186	AC-2	Acoustic Simulator <b>NEW!</b>	1
10189	CT-6	Guitar/BOSS Auto Tuner NEW!	1
10194	DB-88	Dr. Beat Metronome <b>NEW!</b>	1
10002	DD-5	Digital Delay	2
10191	FZ-3	Fuzz Pedal	1
10010	HR-2	Harmonist	2
10029	OD-2R	Turbo Overdrive	1
10097	PW-2	Power Driver	3
10097	SYB-3	Bass Synthesizer	3
10199	TR-2	Tremolo <b>NEW!</b>	1
10097	XT-2	Xtortion	3



# **Catalog Two Product Specifications & Info**

Doc#

Model

Information on Roland and BOSS products is available to your fax machine

24 hours, 7 days a week, from Roland Corporation U.S.

213-685-5141 Ext. 271

Doc#	Model		Pgs
Cont	emporary	<b>Keyboard Products</b>	
10210	CK Keyboard	Educator Newsletter NEW	1 12
10130	AT-30	Atelier Organ	1
10154	AT-50/70	Atelier Organs	2
10190	AT-80	Atelier Organ <b>NEW</b>	7 1
10131	AT-90	Atelier Organ	2
10132	E-12	Intelligent Synthesizer	2
10208	E-14US	Intelligent Synthesizer NEW	4
10208	E-28US	Intelligent Synthesizer NEW	4
10133	E-38	Intelligent Synthesizer NEW	2
10208	E-68	Intelligent Synthesizer NEW	4
10135	E-96	Intelligent Synthesizer	2
10140	ep-7mkII/9	Digital Piano	1
10006	FP-1C	Digital Piano	1
10137	HP-230/330	Digital Piano	3
10137	HP-530	Digital Piano	3
10137	HP-1300e	Digital Piano	3
10136	HP-1900G	Digital Piano w/GS sounds	2
10155	HP-2800/3800	Digital Piano w/GS sounds	2
10142	KP-24	Keyboard Pickup	1
10134	KR-370/570	Intelligent Piano	2
10156	KR-770	Intelligent Piano	1
10103	LVC-1N	Lyrics Video Converter	1
10147	MA-100	Powered Speaker	1
10148	MSD	Music Style Disks	1
10141	MT-80S	Digital Sequencer w/ Snd Module	2
10144	MT-120/S	Digital Sequencer w/ Snd Module	2
10145	MT-200	Digital Sequencer w/ Snd Module	2
10149	PK-5	Dynamic MIDI Pedal	2
10023	RA-30	Realtime Arranger	3
10023	RA-95	Realtime Arranger	3
10143	TL-16	Teaching Lab	2
10146	TN-SC2	Music Style Cards	1
Cont	ractor Pro	ducts	
10099	AR-2000	Audio Recorder	3
10100	AR-100	Announcement Recorder	2

D00 #	Model		ı ys
CD R	OM Patch	Listings	
3rd Pa	rty CD ROMs	-	
S-760 /	S-750 / S-770	/ SP-700 / DJ-70 MkII / JS-30	
10182	C50-CD02	Club-50™ Foundations	5
10178	DS-60711	Northstar™ Drumscapes	3
10168	RS-1	ProSonus™ Orchestral Strings	5
Compo	ser Series CD	ROMs	
S-760 /	S-750 / S-770	/ SP-700 / DJ-70 MkII / JS-30	
10176	L-CDC-01	Jazz Composer CD ROM	2
Project	Series CD R	OMs	
S-760 /	S-750 / S-770	/ SP-700 / DJ-70 MkII / JS-30	
10169	L-CDP-01	Drums and Cymbals Vol. 1	3
10177	L-CDP-02	Guitar and Bass Vol. 1	2
10181	L-CDP-03	Orchestral Percussion Vol. 1	2
10174	L-CDP-04	Orchestral Winds Vol. 1	2
10172	L-CDP-05	Solo Strings Vol. 1	2
10170	L-CDP-06	Brass Sections Vol. 1	2
10167	L-CDP-07	Super Sax Vol. 1	1
10171	L-CDP-08	Symphony Orchestra Vol. 1	2
10175	L-CDP-09	Keyboards of the 60's and 70's Vol.1	2
10179	L-CDP-10	Keyboards of the 60's and 70's Vol.2	2
10183	L-CDP-11	Africa Vol. 1	4
10173	L-CDP-12	Solo Brass	2
10184	L-CDP-13	String Sections	3
10206	L-CDP-14	Africa Vol. 2	2
Roland	l Sample Arch	nive CD ROMs	
S-760 /	S-750 / S-770	/ SP-700 / DJ-70 MkII / JS-30	
10180	L-CD701	Rhythm Section 1	5
10185	L-CD702	Orchestral Family 1 & 2 (2 Disks)	7
Signa	al Process	ors	
10187	AD-5	Acoustic Inst Processor NEW!	2
10040	RV-70	Digital Stereo Reverb	1
10029	SDE-300	Dimensional Space Delay	4
10164	SDX-330	Dimensional Space Delay	2
10029	SRV-330	Dimensional Space Reverb	4
10084	SX-700	Studio Effects Processor	3
10065	VT-1	Voice Transformer	2

Pgs





# **Operational Support Documents**

213-685-5141 Ext. 271

Information on Roland and BOSS products is available to your fax machine 24 hours, 7 days a week, from Roland Corporation U.S.

Support Documentation consists of two series: TurboStarts and Supplemental Notes. TurboStarts are short 1-2 page documents with the most basic operations, demo tips, facts and figures. Supplemental Notes are typically longer and contain step by step instructions on more complicated or detailed procedures.

Doc# Pas

DOC #		Pgs
Supp	lemental Notes	
Contra	actor Products	
21020	AR-2000 Quick Application Guide	2
GR/V	G / Guitar Products	
21002	MIDI Sequencing with the GR-1	7
JV / J[	O / MC / XP Series Products	
21005	JV / XP Part Rx On/Off SysEx	1
21004	JV Master Class	7
21009	JV-90/V-EXP Sequencing	6
21010	JV-1000/V-EXP Sequencing	6
21034	JV-1080 MIDI Sequencing	10
21022	Super JV - Programming the JV Synthesizers	18
21025	MC-303 System Exclusive Messages	1
21033	MRM-500 Operating Instructions	1
21008	XP-50 Sequencing Basics	7
21016	XP-80 Sequencing Basics	8
Hard D	isk Recording and Samplers	
21031	DM-80/800 Compatibility Guide	2
21021	DM-800 Tutorial Guide	15
21024	DM-800 Using a Removable Drive for Backup	1
21013	S-760 Audio Drivers for the CD Player Function	1
21019	Sampler Compatibility Guide	4
21014	SCSI Transfers with the S-760	3
21012	The Roland S-760 Demystified	10
21023	VS-880 Basic Recording	29
21032	VS-880 Compatibility Guide	2
21026	VS-880 Connecting Multiple VS-880s	4
21027	VS-880 Synchronizing with Software Sequencers	6
21029	VS-880 Updating From SMF with Update Specs	2
21030	VS-880 MIDI Implementation	19
21035	VS-880 MIDI Implementation V-Xpanded	35

Doc#		Pgs
Supp	lemental Notes continued	
MIDI C	ontrollers and Digital Pianos	
21018	Sequencing with the RD-500	3
MPU /	Sound Cards / Desktop Media Production	on
21015	MPU-401 Compatible Installation and Configuration in Windows '95	8
21006	MPU-401 Compatible Installation and Configuration in Windows 3.1	7
21017	RAP-10 Compatible Installation and Configuration in Windows '95	7
21011	SCD-10/15 Daughterboard Installation and Configuration in Windows '95	3
Sound	Canvas / GS / GM Instruments	
21003	GM Part Rx Channel SysEx for RAP-10/SC-7	1
21001	GS Part Rx Channel SysEx	1
21007	SoundCanvas MIDI Depths	7



**Documents** 

# Roland<sup>°</sup> FAX

213-685-5141 Ext. 271 Information on Roland and BOSS products is available to your fax machine 24 hours, 7 days a week, from Roland Corporation U.S.

Doc#	Model		Pgs
Turb	oStarts		
20001	A-30	MIDI Keyboard Controller	1
20044	A-33	MIDI Keyboard Controller	1
20002	A-80	MIDI Keyboard Controller	1
20035	A-90/EX	Expandable Controller	1
20001	AX-1	Remote MIDI Controller	1
20045	DJ-70mkII	Sampling Workstation	1
20004	DR-5	Dr. Rhythm Section	2
20003	DR-550mkII	Dr. Rhythm	1
20005	DR-660	Dr. Rhythm	1
20006	DS-330	Dr. SoundCanvas	1
20007	E-66	Intelligent Synthesizer	1
20046	FC-200	Foot Controller	1
20008	G-800	Arranger Workstation	1
20009	GP-100	Guitar Preamp/Processor	2
20010	GR-09	Guitar Synthesizer	1
20011	GR-1	Guitar Synthesizer	1
20055	GR-30	Guitar Synthesizer	1
20040	GT-5	Guitar Effects Processor	1
20036	GX-700	Guitar Effects Processor	1
20012	JD-800	Programmable Synthesizer	1
20013	JD-990	Super JD Synthesizer	2
20057	JP-8000	Music Synthesizer	1
20014	JV-35	Expandable Synthesizer	1
20015	JV-50	Expandable Synthesizer	1
20017	JV-90	Expandable Synthesizer	2
20016	JV-880	Multitimbral Synth Module	1
20050	JV-1000	Music Workstation	2
20041	JV-1080	64-voice Synthesizer	1
20054	JV-2080	64-voice Synthesizer	1
20047	JS-30	Sampling Workstation	1
20033	MC-50mkII	Microcomposer	1
20042	MC-303	Groove Box	1
20053	M-BD1	Bass & Drums Module	1
20053	M-OC1	Orchestral Module	1
20053	M-SE1	Strings Ensemble Module	1
20053	M-VS1	Vintage Synth Module	1

Doc#	Model		Pgs
Turb	oStarts o	ontinued	
20018	ME-6	Guitar Multi Effects	1
20037	ME-8	Guitar Multi Effects	1
20038	ME-8B	Bass Multi Effects	1
20019	ME-10	Guitar Multi Effects	1
20049	MS-1	Micro Sampler	1
20020	MSD	Music Style Disks	1
20043	PMA-5	Personal Music Assistant	1
20052	R-8mkII	Human Rhythm Composer	1
20021	R-70	Human Rhythm Composer	1
20022	RA-90	Intelligent Arranger	1
21028	RA-800	Intelligent Arranger	1
20023	RD-500	Digital Stage Piano	1
20058	RD-600	Digital Stage Piano	1
20024	SC-33	SoundCanvas	1
20025	SC-88	SoundCanvas	1
20026	SD-35	SoundCanvas	1
20027	SPD-11	Total Percussion Pad	1
20039	SX-700	Studio Effects Processor	1
20051	TDE-5K	Compact Drum System	2
20028	TDE-7K	Compact Drum System	2
20029	VG-8	V Guitar System	1
20048	VG8S-1	VG-8 System Expansion	1
20032	VS-880	Digital Studio Workstation	1
20056	VS-880-S1	VS-880 System Expansion	1
20030	XP-10	Multitimbral Synthesizer	1
20031	XP-50	Music Workstation	1
20034	XP-80	Music Workstation	1



# **Catalog Four**

# **Service Centers & Info**

Information on Roland and BOSS products is available to your fax machine

24 hours, 7 days a week, from Roland Corporation U.S.

Roland Authorized Service Centers made available through this service are for your convenience in obtaining repair service locally for both in-warranty or out-of-warranty products. Roland makes technical consultation available to these service centers. Roland provides technical training to qualified electronics technicians through formal seminars that include certification exams. Each Roland Authorized Service Center is required to have a Roland certified technician on their staff. Nevertheless, these service centers are independent businesses usually servicing many brands and Roland assumes no responsibility for their actions. A copy of your sales receipt is the controlling document for warranty service.

Alternatively, you may send product directly to Roland for in-warranty or out-of-warranty service. Should you choose to do this you must call ahead to obtain a return authorization (RA) number. Call (213) 685-5141 and select or ask for customer service. You will be asked for your model and serial numbers and a description of the problem. If the product is inwarranty you must submit a copy of your sales receipt. Roland maintains a full service repair department located at the following address:

Roland Corporation U.S. 7200 Dominion Circle Los Angeles, CA 90040

We've divided our listing of Authorized Roland and BOSS Service Centers by telephone Area Codes to shorten transmission time. In the unlikely event that your instrument needs service, please call our Roland Fax again to request any of the following Documents for the Area Code(s) most convenient for you.

Doc #	Area Code	Pgs
50001	Service Centers in Area Codes 200 - 399	5
50002	Service Centers in Area Codes 400 - 599	4
50003	Service Centers in Area Codes 600 - 799	4
50004	Service Centers in Area Codes 800 - 999	4



# RE-INITIALIZATION

### **Supplemental Notes**

April 28, 1997 **SN38** 

A-30 Power on while holding WRITE. (Hold for 15 seconds.) A-33 Power on while holding WRITE. (Hold for 15 seconds.)

A-50 While holding the first, third, and fourth buttons under the display, press CHANNEL. Then

press any cursor button.

A-80 While holding the first, third, and fourth buttons under the display, press CHANNEL. Then

press any cursor button.

A-90 A-90 only: Power on while holding down EDIT, then press ENTER.

With Voice Expansion Board: Power on while holding down MANUAL, then press ENTER.

A-220 Power on while holding B and MEMORY.

A-880 Power on while holding SIGNAL and MEMORY.

ADA-8024 No ROM reset.

ALPHA JUNO-1 (Same as JUNO-1.) No ROM reset. ALPHA JUNO-2 (Same as JUNO-2.) No ROM reset.

AP-700 Power on, then press EXIT repeatedly to get ANALYZER/FILTER screen. Cursor to

MENU, press ENTER. Cursor to SYSTEM, press ENTER. Cursor to INITIALIZE, press

ENTER. Use VALUE to select ALL. Select EXEC, then press ENTER twice.

**AR-Series** No ROM reset.

**AT-Series** (Make sure disk drive is empty.) Power on while holding ONE TOUCH PROGRAM.

AX-1 Power on while holding WRITE. (Hold for 30 seconds.)

AXIS-1 While holding FUNCTION, press the F#0, C#2, and D#2 keys. CA-30 The CA-30 resets itself every time you turn it off and then on. CR-80 Power on while holding DEL and REPEAT, then press ENTER.

All Other CR No ROM reset. No ROM reset. **CSQ-Series** No ROM reset. D-5 D-10 No ROM reset. D-20 No ROM reset. D-50 No ROM reset.

No ROM reset. No ROM reset. D-110 D-550 No ROM reset.

D-70

**DDR-30** Power on while holding the #1 button.

DEP-3 Power on while holding MEMORY NO UP (^) and DOWN (v). Power on while holding MEMORY NO UP (^) and DOWN (v). DEP-5

DJ-70 No ROM reset. DJ-70mkII No ROM reset.

DM-Series No ROM reset.

DR-5 Power on while holding FRET LEFT (<) and RIGHT (>), then press ENTER twice.

DR-550 Power on while holding -1 and +1, then press START.

DR-550mkII Power on while holding -1 and +1, then press START.

DR-660 Press UTILITY, then use LEFT (<) and RIGHT (>) to select [8] INIT. Press ENTER twice.

DS-330 Power on while holding REVERB and SPLIT, then press YES.

E-5 No ROM reset.

E-10 Power on while holding WRITE.

E-12 No ROM reset.

E-14US The unit resets each time you turn it on.
 E-15 The unit resets each time you turn it on.
 E-16 The unit resets each time you turn it on.

E-20 Power on while holding WRITE.

E-28US The unit resets each time you turn it on.

E-30 Power on while holding WRITE.

E-35 Power on while holding REC/PUNCH IN.E-36 Power on while holding RECORDER.E-38 The unit resets each time you turn it on.

E-56 Power on while holding WRITE.

E-66 Power on while holding REC in the DISK RECORDER section.

E-68US Power on while holding WRITE.
E-70 Power on while holding WRITE.
E-86 Power on while holding WRITE.
E-96 Power on while holding WRITE.

E-500 Press UTILITY. Use the buttons under <<PAGE>> to select FACTORY PRESET. Press

EXECUTE, then press OK. When screen shows RESET COMPLETE, power off, then on.

EM-101 No ROM reset.

EM-303 The unit resets each time you turn it on.
EM-305 The unit resets each time you turn it on.
ep-3 The unit resets each time you turn it on.

ep-5 While holding REC and PLAY, press STRINGS. Power off and then back on.
ep-7 While holding REC and PLAY, press STRINGS. Power off and then back on.
ep-7mkII While holding REC and PLAY, press STRINGS. Power off and then back on.
ep-9 While holding REC and PLAY, press CHOIR. Power off and then back on.

ep-85/95

ep-707 The unit resets each time you turn it on.

All Other EP No ROM reset. FC-100 No ROM reset.

FC-100mkII	Power on while holding pedals #1, #2, and #8.
FC-200	Power on while holding the #10 pedal, then press the CTL pedal.
FG-10	Power on while holding CLEAR and EXIT.
FG-1000	Power on while holding CLEAR and EXIT.
FP-1	The unit resets each time you turn it on.
FP-8	Press FUNC and release. While holding PIANO, press FUNC again.
G-800	Power on while holding WRITE.
GC-8	No ROM reset.
GI-10	Power on while holding PARAMETER + and -, then press VALUE +.
GM-70	Poly Mode: Power on while holding PLAY, GENERAL EDIT, and IND EDIT. Mono Mode: Power on while holding TUNE, CONTROL ASSIGN, and DATA TRANSFER.
GP-8	No ROM reset.
GP-16	Power on while holding the #6, #7, and #8 buttons. Use the FUNCTION LEFT (<) and RIGHT (>) buttons to select "2.All Factory Preset," then press WRITE three times.
GP-100	Power on while pressing in the PARAMETER knob, then press WRITE.
GR-09	Power on while holding Pedal #2, then press the VALUE + button. Now press EDIT/PLAY.
GR-1	Power on while holding WRITE/COPY, then press YES.
GR-30	Power on while holding Pedal #2, then press the PATCH+ button to select INI. Press EDIT/PLAY. Then press PATCH+ and PATCH- simultaneously.
All Other GR	No ROM reset.
GS-6	No ROM reset.
GT-5	Power on while holding MOD and FEEDBACKER/SLOW GEAR. Press WRITE.
GX-700	Press TUNER/UTILITY. Use PARAMETER LEFT (<) and RIGHT (>) buttons to select FACT INIT. Cursor to left and dial SYSTEM, then right and dial P#100. Press WRITE, then TUNER/UTILITY.
HP-100	(Same as PIANO PLUS-100.) No ROM reset.
HP-130	
HP-300	(Same as PIANO PLUS-300.) No ROM reset.
HP-400	(Same as PIANO PLUS-400.) No ROM reset.
All Other HP	(Some also the same as PIANO PLUS-Series.) The unit resets each time you turn it on.
HS-Series	No ROM reset.
JD-800	Press DATA TRANSFER. Use PAGE UP (^) and DOWN (v) to select FACTORY PRESET. Press YES.
JD-990	While holding EXIT, press UTILITY. Press F6 (EXECUTE), then F5 (YES).
JP-6	(Same as JUPITER-6.) No ROM reset.
JP-8	(Same as JUPITER-8.) No ROM reset.
JP-8000	While holding SHIFT, press INIT/UTIL. Press INIT/UTIL repeatedly to select INITIALIZE WRITE. Use the DOWN/UP buttons to select FACTORY PRESET, then press WRITE.
JS-30	Power on while holding RECORD located in the SEQUENCER section.
JUNO-1	(Same as ALPHA JUNO-1.) No ROM reset.

(Same as ALPHA JUNO-2.) No ROM reset.
No ROM reset.
No ROM reset.
No ROM reset.
(Same as JP-6.) No ROM reset.
(Same as JP-8.) No ROM reset.
Press CHORUS and REVERB (above INITIALIZE) simultaneously. Press VALUE UP (^) .
Press CONTROL and MASTER simultaneously. Use PARAMETER UP (^) and DOWN (v) to select ALL. Press VALUE UP (^).
Press CONTROL and MASTER simultaneously. Use PARAMETER UP (^) and DOWN (v) to select ALL. Press VALUE UP (^).
Power on while holding NUMBER 8 (also labeled PERFORM 16 and CAPS). Press ENTER and then press WRITE.
Power on while holding NUMBER 8 (also labeled PERFORM 16 and CAPS). Press ENTER and then press WRITE.
Press UTILITY, then use the DATA dial to select FACTORY PRESET. Press ENTER twice.
Power on while holding NUMBER 8 (also labeled PERFORM 16 and CAPS). Press ENTER, then press WRITE.
Press UTILITY. Cursor down once, then cursor right three times to select FACTORY PRESET. Press ENTER twice, then press UTILITY.
Press UTILITY. Press F6 twice to select MENU 3. Press F1. Then press F6. If necessary, use the VALUE DIAL to turn Memory Protect OFF and press F6 twice.
Press TUNE/FUNCTION. Press F5 (FACTORY), then F4 (JW RESET), then F3 (GS RESET), then F4 (YES).
Power on while holding WRITE and FLUTE.
No ROM reset.
No ROM reset.
(Same as SUPER JX keyboard.) No ROM reset.
The unit resets each time you turn it on.
Hold MIDI/FUNC and press CARD. Hold both VARIATION buttons for 5 seconds.
The unit resets each time you turn it on.
While holding LOAD and SAVE, press WRITE.
The unit resets each time you turn it on.
While holding FROM and TO, press WRITE.
While holding PART VOLUME ACCOMP, press TRACK 2 and 4 buttons (Composer section) simultaneously. Press PART VOLUME ACCOMP repeatedly to get FACTORY SETUP LOAD in the window. After loading is complete, power off and then back on.
While holding LOAD and SAVE, press WRITE.
While holding PART VOLUME ACCOMP, press TRACK 2 and 4 buttons (Composer section) simultaneously. Press PART VOLUME ACCOMP repeatedly to get FACTORY SETUP LOAD in the window. After loading is complete, power off and then back on.

KR-1070	
KR-3000	While holding FROM and TO, press WRITE.
KR-3500	While holding LOAD and SAVE, press WRITE.
KR-4500	While holding LOAD and SAVE, press WRITE.
KR-4700	While holding EDIT, press LOAD and SAVE.
KR-5000	While holding EDIT, press LOAD and SAVE.
KR-5500	While holding LOAD and SAVE, press WRITE.
LVC-1N	Power on while holding ENTER.
M-660	(Same as RHODES 660.) While holding EDIT, press WRITE. Use PARAMETER UP (^) and DOWN (v) to select ALL, then press WRITE. When completed, press EDIT to return to Play Mode.
M-760	(Same as RHODES 760.) While holding EDIT, press WRITE. Use PARAMETER UP (^) and DOWN (v) to select ALL, then press WRITE. When completed, press EDIT to return to Play Mode.
M-BD1	Power on while holding F3.
M-DC1	Power on while holding F3.
M-GS64	Power on while holding F3.
M-OC1	Power on while holding F3.
M-SE1	Power on while holding F3.
M-VS1	Power on while holding F3.
MC-303	Power on while holding down SHIFT, then press ENTER.
All Other MC	No ROM reset.
ME-5	Power on while holding pedals #1 and #2, then press WRITE immediately.
ME-6	Power on while holding PARAMETER DOWN (v) and LEFT (<), then press WRITE.
ME-6B	Power on while holding PARAMETER DOWN (v) and LEFT (<), then press WRITE.
ME-8	Power on while holding PARAMETER LEFT (<) and DOWN (v), then press WRITE/COPY.
ME-8B	Power on while holding PARAMETER LEFT (<) and DOWN (v), then press WRITE/COPY.
ME-10	Power on while holding the BANK DOWN (v) pedal, then press WRITE.
ME-X	Power on while holding PARAMETER DOWN (v) and LEFT (<), then press WRITE.
MK-60	(Same as RHODES MK-60.) No ROM reset.
MK-80	(Same as RHODES MK-80.) While holding WRITE, press EDIT. While holding the LEFT (<) and RIGHT (>) cursor buttons, press UP (^).
MKB-Series	No ROM reset.
MKS-50	Poly Mode: Power on while holding NUMBER 4 and 8.  Mono Mode: Power on while holding NUMBER 3 and 7.
All Other MKS	No ROM reset.
MP-Series	No ROM reset.
MS-1	No ROM reset.

MSQ-100	No ROM reset.
MSQ-700	No ROM reset.
MT-32	While holding MASTER VOLUME, press RHYTHM PART. Press PART 1.
MT-80s	The unit resets each time you turn it on.
MT-100	While holding STOP, press DELETE. After the display flashes ALL CLEAR, press EXECUTE.
MT-120	Power on while holding REPEAT, SONG (blue button), and PLAY. Press FWD repeatedly, until the window reads T-13. Press PLAY, then press REC. Power off, then on.
MT-120s	Power on while holding REPEAT, SONG (blue button), and PLAY. Press FWD repeatedly, until the window reads T-13. Press PLAY, then press REC. Power off, then on.
MT-200	Power on while holding REPEAT, SONG (blue button), and PLAY. Use the DIAL to select T-15 in the window. Press PLAY, then press REC. Power off, then on.
MV-30	(Same as STUDIO M.) No ROM reset.
OCTAPAD	(Same as PAD-8.) Power on while holding MIDI CH and NOTE NUMBER. Power off and then back on.
OCTAPAD II	(Same as PAD-80.) Power on while holding both VALUE (solid < and >) buttons.
P-55	Power on while holding both INSTRUMENT buttons, then press PARAM 1.
P-330	No ROM reset.
PAD-8	(Same as OCTAPAD.) Power on while holding MIDI CH and NOTE NUMBER. Power off, then back on.
PAD-80	(Same as OCTAPAD II.) Power on while holding both VALUE (solid < and >) buttons.
PC-150	Power on while holding COMMAND on the left edge of the keyboard.
PC-200	Power on while holding the two buttons under the word STANDARD.
PC-200mkII	Power on while holding the two buttons under the word STANDARD.
All PIANO PLUS	(Same as some of the HP-Series.) No ROM reset.
PK-5	Power on while holding OCT/PARAM .
PLANET-P	(Same as MKS-10.) No ROM reset.
PLANET-S	(Same as MKS-30.) No ROM reset.
PM-16	Power on while holding NUMBER buttons 1 and 2. (This reloads the first BANK of settings.)
PMA-5	Press UTILITY, then press the RIGHT (>) cursor button repeatedly to select INITIALIZE. Press ENTER, then [EXEC].
PR-100	The unit resets each time you turn it on.
PRO-E	Power on while holding WRITE.
R-5	Power on while holding CURSOR PAGE and PARAM SELECT, then press ENTER twice.
R-8	Power on while holding CURSOR PAGE and PARAM SELECT, then press ENTER twice.
R-8mkII	Power on while holding CURSOR PAGE and PARAM SELECT, then press ENTER twice.
R-8M	Power on while holding ENTER and the RIGHT (>) CURSOR button, then press ENTER twice.
R-70	Power on while holding MIDI and ASSIGN, then press YES twice.

R-880	No ROM reset.
RA-30	The unit resets each time you turn it on.
RA-50	Power on while holding WRITE.
RA-90	Power on while holding WRITE.
RA-95	Power on while holding REC.
RA-800	(WARNING: This will erase the original factory Performance settings. However, you can save them to disk before doing this procedure.) Power on while holding WRITE.
RD-500	Power on while holding NUMBER 1 and 8. Press DEC/YES.
RD-600	Press EDIT. Press the RIGHT PAGE button until "Initialize: All" is displayed. Press INC/YES twice. Press EDIT to return to Play mode.
All Other RD	No ROM reset.
RHODES 660	(Same as M-660.) While holding EDIT, press WRITE. Use PARAMETER UP (^) and DOWN (v) to select ALL, then press WRITE. When completed, press EDIT to return to Play Mode.
RHODES 760	(Same as M-760.) While holding EDIT, press WRITE. Use PARAMETER UP (^) and DOWN (v) to select ALL, then press WRITE. When completed, press EDIT to return to Play Mode.
RHODES MK-60	(Same as MK-60.) No ROM reset.
RHODES MK-80	(Same as MK-80.) While holding WRITE, press EDIT. While holding the LEFT (<) and RIGHT (>) cursor buttons, press UP (^).
RSP-550	Power on while holding PROGRAM/PAGE UP (^) and DOWN (v), then press WRITE.
RSS-10	Power on while holding LOCK and OPTION. (The MCR-8 LED lights.) Press DEMO PROGRAM four times. Press DEVICE ID.
RSS-8048	No ROM reset.
RV-70	Power on while holding WRITE and DOWN. Use the UP (^) and DOWN (v) buttons to select AL. Press WRITE. Power off, then back on.
SB-55	Power on while holding CLEAR.
SBX-1000	No ROM reset.
S-Series	No ROM reset.
SC-7	The unit resets each time you turn it on.
SC-33	Power on while holding REVERB and SPLIT, then press YES.
SC-50	Power on while holding both INSTRUMENT buttons, then press ALL.
SC-55	Power on while holding both INSTRUMENT buttons, then press ALL.
SC-55mkII	Power on while holding both INSTRUMENT buttons, then press ALL.
SC-88	While holding SELECT, press both INSTRUMENT buttons. Press ALL.
SC-155	Power on while holding both INSTRUMENT buttons, then press ALL.
SCC-700C	No ROM reset.
SD-35	Power on while holding CLEAR, then press REC.
SDD-320	No ROM reset.
SDE-330	Power on while holding SYSTEM and PROGRAM. Use the DATA dial to select SYSTEM + PROGRAM. Press MEMORY.

All Other SDE	No ROM reset.
SDX-330	Power on while holding SYSTEM and PROGRAM. Use the DATA dial to select SYSTEM + PROGRAM. Press MEMORY.
SE-50	Power on while holding PARAM UP (^) and VALUE UP (^). Press WRITE. Wait three seconds and press WRITE again.
SE-70	Power on while holding in the NUMBER/VALUE knob. Press PARAMETER LEFT (<), then dial to STANDARD mode or GUITAR mode. Press WRITE.
SH-Series	No ROM reset.
SN-700	No ROM reset.
SP-700	No ROM reset.
SPD-8	Power on while holding EDIT, then press COPY. Use the VALUE UP (^) and DOWN (v) to select F A L in the window. Press ALL/ENTER.
SPD-11	Power on while holding ALL/ENTER and DOWN (the solid v). Press ALL/ENTER again.
SRC-2	No ROM reset.
SRV-330	Power on while holding SYSTEM and PROGRAM. Use the DATA dial to select SYSTEM + PROGRAM. Press MEMORY.
SRV-1000	No ROM reset.
SRV-2000	Factory: Power on while holding WRITE and REVERB NON-LINEAR. Delay Mode: Power on while holding WRITE, REVERB NON-LINEAR and ROOM SIMULATE.
SSC-8004	No ROM reset.
STUDIO M	(Same as MV-30.) No ROM reset.
SUPER JUPITER	(Same as MKS-80.) No ROM reset.
SUPER JX keybrd.	(Same as JX-10.) No ROM reset.
SUPER JX module	(Same as MKS-70.) No ROM reset.
SUPER QUARTET	(Same as MKS-7.) No ROM reset.
All SYNTH PLUS	(Same as HS-Series.) No ROM reset.
SX-700	Press UTILITY. Use PARAMETER LEFT (<) and RIGHT (>) to select FACT INIT. Press WRITE.
TB-303	No ROM reset.
TD-5	Power on while holding EDIT and START/STOP, then press START/STOP again.
TD-7	Press SYSTEM. Use the LEFT (<) and RIGHT (>) CURSOR buttons to select INI, then press ENTER. Cursor to HI HAT and use the DATA dial to select ALL. Press ENTER twice.
TD-10	Press SETUP, then press F4 three times.
TL-Series	No ROM reset.
TP-20	No ROM reset.
TR-505	Power on while holding MODE and PATTERN GROUP KEY A.
TR-626	Power on while holding MODE and TRACK #1.
TR-707	Power on while holding TRACK WRITE and TRACK #1.
TR-727	Power on while holding TRACK WRITE and TRACK #1.

TR-808	No ROM reset.
TR-909	Power on while holding TRACK #1 and PATTERN #1.
U-20	No ROM reset.
U-110	Power on while holding PART and EDIT.
U-220	No ROM reset.
VG-8	Power on while holding F1, F3, and F5. Press F6 for All, F4 for Patches, or F2 for System.
VK-7	Power on while holding MAIN, SUB and PEDAL in the HARMONIC BAR PART section.
VK-1000	Press WRITE, then press F3 to access the INIT MENU screen. Press F4 to access the COLD BOOT screen, then press ENTER.
VP-70	Power on while holding PLAY, VOICE EXPANSION, and MIDI.
VS-880	No ROM reset.
VT-1	Power on while holding down the PRESET/USER button.
W-30	No ROM reset.
W-50	Press CONTROL and MASTER simultaneously. Use PARAMETER UP (^) and DOWN (v) to select ALL. Press VALUE UP (^).
XP-10	Press UTILITY. Use VALUE + and - to select INITIALIZE, then press ENTER. Use VALUE + and - to select FACTORY PRESET, then press ENTER.
XP-50	Press DISK/UTILITY, select SOUND, select PRESET, then press ENTER. Use the dial to turn Memory Protect OFF if necessary, then press ENTER twice.
XP-80	Press UTILITY, press F6 (MENU) twice to select Factory, then ENTER. Press F6 (EXECUTE). Use the dial to turn Memory Protect OFF if necessary, press ENTER, then press F6 (EXECUTE).

Output:		Unregulated DC														ulated	DC b	AC		
Volts (V)	9						12 ±21.5 ±15 ±1							±10	9	9.6	12	1:	2	14
Amps (mA)	1200 1000 500 300 200				1500						300/300	350/350	500/150	200	200	2000	1500	500	800	
	ACB	ACI	ACF	ACM	ACA	ACK	ACJ	ACL	ACO	ACN	ACG	ACE	ACD	ACH	PS	SA	ASA	BRB	BRA	BRC
	120/T	120/1/	120	120	120	120	120	120	120	120	120	120	120	120	120	120T	120	120	120	120

		120/1	120/1/0	120	120	120	120	120	120	120	120	120	120	120	120	120	1201	120	120	120	120
A = Inc	lude	ed O	= Opti	onal		R	Reco	mmen	ded		Com	patible	€								
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ASC-10 AW-2	Α															R					
AW-2	A 0 0															R					
AX-1 BD-2 BE-5	O					R															
BD-2	О															R					
BE-5	Α															R					
BE-5B	A O															R					
BF-2	О					R															
BF-2B	О					R															
BL-1	О															R					
BX-16	A												R								
BX-4																R					
BX-400	Α													ì		R					
BX-8	A												R								
CA-30	Α					R															
CE-2	0					R															
CE-2B	О					R															
CE-3	О															R					
CE-3 CE-5	О															R					
CEB-3	О															R					
CF-10	Α		R																		
CH-1	O															R					
CL-50	Α																			R	
CM-300	Α						R														
CM-32L	Α	R																			
CM-32P	Α	R																		$\Box$	
CM-500	Α						R													$\Box$	
CM-64	Α	R						ĺ												$\Box$	
CN-20	Α					R															
CP-40	Α															R					

Amps (mA)	Output:																Reg	julated	d DC	AC			
Amps (mA)	Volts (V)																						
ACB   ACI   ACF   ACM   ACA   ACK   ACJ	Amps (mA	۱) ا	1200	1000	500	300	200	1500	1750	1700	1000	500	200	300/300	350/350	500/150	200	200	2000	1500	500	800	
			ACB	ACI	ACF	ACM	ACA		ACJ									SA	ASA	BRB	BRA	<b>BRC</b>	
CR-80 A R CS-10 A R CS-10 A R CS-2 O R R CS-2 O R R CS-3 O R R CS-3 O R R CS-5-3 O R R CS-5-3 O R R CS-5-5 A R R SS-5-6 A R R R R R R R R R R R R R R R R R R			120/T	120/1/	120	120	120	120	120	120	120	120	120	120	120	120	120	120T	120	120	120	120	
CR-80 A R CS-10 A R CS-10 A R CS-2 O R R CS-2 O R R CS-3 O R R CS-3 O R R CS-5-3 O R R CS-5-3 O R R CS-5-5 A R R SS-5-6 A R R R R R R R R R R R R R R R R R R																							
CS-10 A R CS-2 C CS-3 C R CS-3 C R CS-3 C R CS-3 C CS-3 C R CS-3 C CS-3	CR-1000																R						
CS-2		Α		R																			
CS-3	CS-10	Α	R																				
CT-6         O         R         R         R         R         R         D-5         A         R         R         D-866         O         R         R         D-888         O         DC-2         O         DC-3         C         R         DC-2         DC-3         C         R         DC-3         C         R         DC-3         C         R         DC-3         C         DC-3         <																	R						
D-5							R																
DB-66 C C DB-88 C C DB-88 C C DC-2 C C C C C C C C C C C C C C C C C C																	R						
DB-88	D-5			R																			
DC-2																							
DC-3																							
DD-3		O																					
DD-5																							
DF-2		О															R						
DI-1		O															R						
DR-220A/E O DR-5 O R5 O R R R R R R R R R R R R R R R R	DF-2	O															R						
DR-5																	R						
DR-550/ml O         R         R         R         R         R         R         R         DS-1         C         R         DS-2         C         DS-3         C         C         R         C         C         C         R         C	DR-220A/E	O															R						
DR-660         A           DS-1         O           DS-2         O           DS-3         O           DS-330         A           DSD-2/3         O           E-12         A           E-14         A           E-15         A           R         R           E-16         A           E-28         A           E-35         A           R         R           E-36         A           R         R           E-56         A           R         R           E-66         A	DR-5	O															R						
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DS-2         O         R         R         R         R         R         R         R         DS-330         A         R         R         R         R         DSD-2/3         O         R		Α																			R		
DS-3         O         R         R           DS-330         A         R         R           DSD-2/3         O         R         R           E-12         A         R         R           E-14         A         R         R           E-15         A         R         R           E-16         A         R         R           E-28         A         R         R           E-35         A         R         R           E-36         A         R         R           E-5         A         R         R           E-56         A         R         R           E-66         A         R         R							R																
DS-330         A         R         R           DSD-2/3         O         R         R           E-12         A         R         R           E-14         A         R         R           E-15         A         R         R           E-16         A         R         R           E-28         A         R         R           E-35         A         R         R           E-36         A         R         R           E-5         A         R         R           E-56         A         R         R           E-66         A         R         R							R																
DSD-2/3         O         R           E-12         A         R           E-14         A         R           E-15         A         R           E-16         A         R           E-28         A         R           E-35         A         R           E-36         A         R           E-38         A         R           E-56         A         R           E-56         A         R           E-66         A         R																	R						
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1 <del>-</del> ▼▼	E-68	Α							R													-	

Output:	1	Unregulated DC														Rec	julated	d DC		AC	1
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ep-707	Α						R		-												
ep-7mkll	Α						R														
ep-9	Α						R														
FC-200	О															R					
FC-50	O															R					
FT-2	O															R					
FW-3	О															R					
FZ-2	О															R					
FZ-3	О															R					
GE-21	Α																			R	
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GI-10	Α				R																
GR-09	Α																			R	
GR-1	Α		R																		
GR-30	Α			R																	
GX-700	Α																				R
HC-2	0															R					
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HM-3	0		_													R					
HR-2	0															R					
JV-30	A		R																		
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Output:	7							Unred	ulated	DC						Rec	julated	d DC		AC	<del></del> 1
Volts (V)	l			9			9.5	00	0.10.10 0.	12			±21.5	±15	±10	9	9.6	12	1		14
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MC-50/mkl			R																		
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MC-303	Α		R																		
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P-55	Ā		R																		
PAD-8	Ā			R																	
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Output:		Unregulated DC											Rec	julated	DC b		AC	T			
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								ACJ			ACN			ACD	ACH		SA		BRB		BRC
			120/1/	120	120		120	120	120	120	120	120	120	120	120	120	120T	120	120	120	120
				•		•															
PC-200/mk	O					R															
PH-1R	o T															R					
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PR-300	A O						R														
PS-2	O															R					
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PSM-5	Α															R					
PV-1						R															
PW-2	O															R					
R-5	Α														R						
R-70	A A		R																		
R-8	Α														R						
R-8mkll	Α														R						
RA-30	Α		R																		
RA-50	A A		R																		
RA-90	Α		R																		
RA-95	A		R																		
RBF-10	A														<u> </u>	R					
RC-3	O															R					
RCE-10	A															R					
RDD-20	A															R					
ROD-10	A															R					
RPD-10	A A															R					
RPH-10	Α															R					
RPQ-10	A															R					
RPW-7	A															R					
RRV-10	A															R					

Output:	<del>-</del> 1							Unred	ulated	DC						Red	julated	d DC		AC	<u> </u>
Volts (V)	ŀ			9			9.5	00		12			±21.5	±15	±10	9	9.6	12	1.		14
Amps (mA	S)	1200	1000		300	200		1750	1700		500	200			500/150			2000	1500		800
/po (/				ACF			ACK	ACJ	ACL	ACO	ACN			ACD	ACH		SA		BRB		
		120/T	120/1/		120	120	120	120	120	120	120	120	120	120	120		120T		120	120	
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SC-33	Á		1.																	R	
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SC-55mkll			R																		
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SE-50	A																		R		
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TD-5	Α																			R	
TD-7	Α																		R		
TL-16	Α													R							
TL-8	Α																		R		
TM-3	О															R					
TM-7	О															R					
	О															R					
TR-505	О															R					
TR-606	О					R															
TR-626	О															R					
TR-707	Α											R									
TR-727	Α											R									
TU-12	0															R					
	О															R					
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TU-12H	0															R					
TU-50	Α																			R	

r																				
Output:							Unreg	ulated	DC						Reg	julated	DQ p		AC	
Volts (V)			9			9.5			12			±21.5	±15	±10	9	9.6	12	1.	2	14
Amps (mA)	1200	1000	500	300	200	1500	1750	1700	1000	500	200	300/300	350/350	500/150	200	200	2000	1500	500	800
	ACB	ACI	ACF	ACM	ACA	ACK	ACJ	ACL	ACO	ACN	ACG	ACE	ACD	ACH	PS	SA	ASA	BRB	BRA	BRC
	120/T	120/1/	120	120	120	120	120	120	120	120	120	120	120	120	120	120T	120	120	120	120
TU-6															R					
TU-8															R					
VB-2															R					
VT-1		R																		
<b>W-50</b>						R														
WS-20/20M A											R									
<b>XP-10</b> A		R																		
XT-2															R					

### **Accessories for Roland Products**

	Wave	Voice	Video	Video	Continuous Peda	Footswitches	ravel Case	Travel Casi	Software	TurboStar	Sunnlementa	CD-ROM	Style	lemory Car	Patch	PCM	AC	Other
	Expansion	Expansion	Dwner's Manua	Demo	FV-5/FV-300I	Footswitches P-2/DP-6/FS-5	Hardshell	Soft Bag	Donward	laibootai	Notes	Library	Disks	M-512F	Cards	Card	Adaptor	
ļ	<u> Ехраною</u>	Expandion	o mana	Dome	L V 0/1 V 000L	p. 2,21 0,10 0	Tiaraciioii	Con Bag			110100	Library	Diono	W O L	Ouruo	Odid	rauptor	
A-33																		
A-90		VE Series																
A-90EX																		
AC-100																		
BC-30																		
BC-30/210																		
BC-60																		
BC-60/310																		
DJ-70mkII												L-CD7/P						
DR-5																		App Guide
DR-550mkII																		
DR-660																		
E-16																		
E-66													MSD					
ep-7mkII																		EP-AK-2E
ep-9																		PB-7BK
FP-1																		FPS-1
G-800						FC-7							MSD					
GC-405/405	X																	
GI-10																		US-20
GP-100																		
GR-09	GR9E-1																	US-20
	SR-GR1-0	1																US-20
GR-30																		US-20
GT-5																		
GX-700																		
JC-120																		
JP-8000																		
JV-1080	SR-JV80														PN-JV80		1	
JV-2080	SR-JV80														PN-JV80			
JV-880	SR-JV80														PN-JV80	SO-PCM		
M-BD1																		
M-OC1																		
M-SE1																		
M-VS1																		
MC-303																		
MC-50mkII																		
ME-8																		
ME-8B																		
MS-1																		
PC-200mkII																		

### **Accessories for Roland Products**

	Wave	Voice	Video	Video	ontinuous Peda	Footswitches	ravel Case	ravel Cas	Software	TurboStar	Supplementa	CD-ROM	Style	lemory Car	Patch	PCM	AC	Other
	Expansion	Expansion	Dwner's Manu	ıaDemo	EV-5/FV-300L	P-2/DP-6/FS-5	Hardshell	Soft Bag			Notes	Library	Disks	M-512E	Cards	Card	Adaptor	
PK-5																		
PMA-5						DP-2M												
R-70																		
R-8mkII																SN-R8		
RA-30						FC-7												PK-5
RA-800						FC-7							MSD					PK-5
RA-95						FC-7							MSD					PK-5
RD-500																		
RD-600																		
S-760												L-CD7/P						OP-760-0
SDE-330																		
SDX-330																		
SE-70																		
SPD-11																		PD Pads
SRV-330																		
SX-700																		
TD-5																		PD Pads
TD-5K																		TDE-5
TD-7																		PD Pads
TDE-7K																		
TD-10																		PD Pads
VG-8															VG8D			VG8S-1
VK-7																		PK-5
VS-880																		VS8F-1
VT-1																		
XP-10																		
XP-50	SR-JV80																	
XP-80	SR-JV80																	

SN06 v1.2

July 10, 1995

### **MIDI Sequencing with the GR-1**

This is an application guide for use with the GR-1 and an external MIDI sequencer. This guide will cover MIDI connections, setup of the GR-1 transmit parameters, setup of the GR-1's sound module section and recording a performance Patch. You should start by properly connecting MIDI cables between the sequencer and GR-1. Next, you will need to access the MIDI Out parameters in the SYSTEM menu and set them up to properly control your multitimbral Parts. Then, you will need to set-up the GR-1's sound module section by programming the MIDI Part parameters located in the RECORDER/PART menu. Finally, you will need to setup up the GR-1 to record a Patch.

When you first turn on the GR-1, you are playing what is called a Patch. A Patch is a combination of up to two smaller elements called Tones. The GR-1 has four multitimbral Parts for accompaniment applications, which means that you can have a bass Part, a piano Part, a string pad Part, and a rhythm Part played back at one time by the sequencer. The Parts of the GR-1 use Tones. You can then play a Patch live and record that performance into another track of your sequencer. This makes a total of 5 sounds that can be accessed through MIDI at the same time. Following this procedure will also allow you to monitor the performance you are recording on a sequencer more accurately, since you will hear all of the Parts played through MIDI while they are being recorded.

### **MIDI Cable Routing**

If your MIDI system is limited to a GR-1 and a sequencer, connect a MIDI cable from the GR-1's MIDI Out to the external sequencer's MIDI In. Connect another MIDI cable from the sequencer's MIDI Out to the GR-1's MIDI In.

If you are using one or more additional MIDI devices such as synthesizers, drum machines or MIDI effects processors, you will need to use the MIDI connections labeled MIDI Thru. MIDI Thru takes the data that your MIDI device receives at it's MIDI In and passes it, unprocessed, to the MIDI Thru connection. It is possible to "chain" several MIDI units together by connecting the MIDI Out of your controller into the MIDI In of your first slave, then MIDI Thru of the first slave into the MIDI In of the second slave. This procedure can be repeated until all of the MIDI devices in your system have been connected. The GR-1 does not have a MIDI Thru jack so it will have to be the last slave sound module in your system. If you have more than one MIDI device that does not have a MIDI Thru, you may need to add a MIDI Patch bay or a MIDI Thru box to your system.

### **Initialize the GR-1**

If you have any custom sounds or songs in the GR-1 be sure to save them to a M-256E card or via MIDI bulk dump to an external MIDI device before executing the following procedure. If you are unfamiliar with the procedure to save you sounds refer to pages 7-12,13 and 7-18,19 for card or 6-31 for bulk dump.

Note: This procedure will erase ANY custom settings in the GR-1!

- 1) Turn off the GR-1.
- 2) Hold down WRITE/COPY.
- 3) Turn on the GR-1.
- 4) Press ENTER.

### I. Programming the MIDI Out Parameters

After making the appropriate MIDI connections and initializing the GR-1, we need to set up the MIDI Out parameters located in the SYSTEM menu. This is where we assign the MIDI transmit channel and transmit mode. We can also turn local control off in this menu, which will allow us to sequence the entire Patch along with the four multitimbral Parts. We will discuss the purpose of these MIDI Out parameters in more depth as we get further into the sequencing process, but for now, let's access them and set them up so we can begin sequencing.

1) Press SYSTEM and then press PARAMETER NEXT two times to access the following display screen:

12 MIDI

2) Press ENTER, and you will access the BASIC MIDI channel that the GR-1 transmits on.

We will use this channel to transmit on the MIDI channels that the multitimbral Parts are set to. For now, use the VALUE buttons and set this to MIDI Channel 2.

3) Press PARAMETER NEXT once to access the MODE parameter abbreviated MD. Use VALUE to select POLY mode.

POLY mode is used for recording Parts because they are all on an individual MIDI channel. Patches are recorded using Mono mode, because each string requires one MIDI channel. Mono mode transmits each guitar string on a separate MIDI channel while Poly mode transmits all six guitar strings on one MIDI channel. Mono mode is important for solo guitar playing styles which require different pitch bend messages for each individual string. We will use Mono mode later in this guide when we record a Patch of the GR-1.

4) Press PARAMETER NEXT again to access the BEND parameter. Use VALUE to select the appropriate value.

A Bend Range of 12 should normally be used if you need to sequence your string bending. The GR-1's Parts default to this setting. A chromatic bend setting 0 is advisable when sequencing chords so that you can save memory in your sequencer. Pitch Bend messages can clutter up the MIDI stream so it is best to set this value to 0 when it is not needed. You will also find that your music will be more in tune if you do not transmit bend messages while sequencing.

**Note**: It is EXTREMELY important that this value match the sound module bend range. If you are using the GR-1 as a sound module, then set the PART BEND RANGE to match this value. We will cover how to change the GR-1's MIDI PART parameters in the next section.

5) Press the PARAMETER NEXT button again to access LOCAL. Use the VALUE buttons to select OFF. Local control is basically an internal MIDI cable that connects the fret board to the synthesizer internally. By turning LOCAL OFF, you will have to use a MIDI cable, connected from the GR-1's MIDI Out back to the MIDI In, in order to play the Patches. We will be placing a sequencer in between the GR-1's MIDI Out and In so that we can record the performance from the MIDI Out and play the sounds via the MIDI In.

Make sure to turn Soft Thru, sometimes called echo, ON in your sequencer so that the MIDI messages transmitted from the GR-1 into the external sequencer are merged with the sequencer's data and sent back to the GR-1 via the sequencer's MIDI Out. This allows you to monitor the Part you are performing while listening to the additional tracks that may already be recorded in your sequence.

Note: Make sure to turn LOCAL back to ON when done sequencing or you will hear no sound!

The settings in the SYSTEM menu are global and do not need to be written into memory. You will need to change them periodically throughout the "Recording the Multitimbral Parts" coming up later in this guide.

6) Press EXIT as many time as necessary to return to PLAY mode, indicated by the Patch name and number.

### **II. Setting The Multitimbral Parts**

The GR-1 is a multitimbral synthesizer. This means that it can play back different instrument sounds on different MIDI channels at the same time. It has one Part dedicated to drums, three polyphonic instrument Parts, which play back any of the 400 Tones (200 internal and 200 on the optional SR-GR1-01 expansion board). In addition to these four Parts, the GR-1 can also play one Patch. The four Parts are set up in the EDIT RECORDER/PART mode. Let's access these Parts and select Tones for them to use with an external sequencer.

### **Front Panel Tone Select**

- 1) From the PLAY mode, press the EDIT RECORDER/PART button.
- 2) Press PARAMETER PREVIOUS down one time to access the parameter for selecting the PART-TONE:



- 3) Press ENTER to call-up PRT1.
- 4) Use VALUE to select an appropriate bass sound for your song. Pressing CURSOR > will tell you which Tone you have selected.

**Note**: While in the Tone Select screen, you are placing the GR-1 in MIDI Omni mode. This will take whatever notes are comming into the GR-1 on ANY MIDI CHANNEL and play them with the sound selected on this screen. When choosing Tones with this method, make sure to leave this screen after your choices have been made before returning to sequencing.

- 5) CURSOR < to return to the PART1 page and use PARAMETER NEXT to call-up PART2. Use VALUE to select a nice chord accompaniment sound for the 2nd Part.
- 6) Repeat the same steps for PART3 and select a nice melody/solo tone.

### Calling up Sounds via MIDI

If you would prefer to call up sounds from your external sequencer, you can do so with MIDI program change messages. The original MIDI specification only allowed for 128 different program locations. The GR-1 has 200 internal Tones, and 200 more Tones can be added with the optional SR-GR1-01 Expansion Board. To call up all of the GR-1's Tones, we can use the newly adopted MIDI bank select controller message.

The GR-1 uses MIDI bank select message control change 0. The value of the control change 0 will change to select the bank of the tone you want to use. Use the following chart for a guide:

MIDI Bank	Controller			Р	rogra	m Cha	ange I	Numb	ers		
Select #	# 0 Values	1	2	3	4.			125	126	127	128
0	0	00	01	02	03			124	125	126	127
128	1	128	129	130	131			252	253	254	255
256	2	256	257	258	259			380	381	382	383
384	3	384	385	386	387		399				

Each of these controller messages needs to be followed immediately with a program change. In sequencing programs the bank number may be requested. Here is an example of how to do this:

1) To call up Tone number 64 BRT STRG, we would need the following messages:

Controller 0 value 0 (Bank 0) Program Change 64

To call up Tone number 175 AMBIENCE we would need the following messages:

Controller 0 value 1 (Bank 128) Program Change 4

### **Other Tone Parameters**

Now that we have learned how to choose sounds for each Part from the GR-1's front panel and from an external sequencer, let's look at the other parameters that can be set up from the EDIT RECORDER/PART menus.

- 1) Press EDIT RECORDER/PART. Then press PARAMETER PREVIOUS twice to access PART SET.
- 2) Press ENTER. Within this menu, parameters are available for all three instrument Parts plus the rhythm Part. This screen allows us to work with PART 1:

38 PART 1->

3) Using the PARAMETER buttons, scroll between the 3 instrument Parts and the parameter menus for the DRUM Part. Call up PART 1 and press the ENTER button again to access individual parameters for the Part. Use the VALUE INC and DEC buttons to alter values. Here is a list of the available parameters with a brief definition:

P1VOL: This sets the volume level of the Part. You can also send MIDI continuous controller number 7 from your sequencer to alter this parameter setting in real time.

P1CH: This assigns the Part MIDI channel. The Part can be set to 1 through 16 or OFF. Be sure to assign each Part in your multitimbral system to its own MIDI channel. In the "Recording the Multitimbral Parts" tutorial later in this guide, we will need the three instrument Parts assigned to MIDI channels 2, 3 & 4.

**Note**: When the GR-1 is in MONO mode it is possible to conflict with the MIDI channel settings of each Part. For example, if we set the BASIC channel to 1 in MONO mode we will use up channels 1-6 conflicting with any of the Parts set on MIDI channels 1-6.

P1REV: This adjusts the reverb level of the Part. You can also send MIDI continuous controller number 91 from your sequencer to alter this parameter setting in real time.

P1CHO: This adjusts the chorus level of the Part. You can also send MIDI continuous controller number 93 from your sequencer to alter this parameter setting in real time.

P1BND: Bend Range is a very important parameter for accurate tracking with MIDI Guitars. 0 to 24 are valid settings, with 12 being the most common.

P1PAN: This parameter sets the stereo panning of the Part to between <63(Left), 63>(right) & RANDOM. You can also send MIDI continuous controller number 10 from your sequencer to alter this setting in real time.

There are also parameters designed to set-up the Rhythm/Drum Part.

- 1) Press the EXIT button one time, then use the PARAMETER buttons to scroll through Drum Part Parameters. These parameters are the same as the ones in the Part parameters.
- 2) Press the PARAMETER buttons to call up DR-CH. MIDI channel 10 is the industry standard for drums and it is strongly recommended that you keep your drum Part set there.

### **III. Recording The Multitimbral Parts**

Before you begin recording data, make certain that the MIDI Thru function in your sequencer is set on. Before we begin recording, we need to discuss Auto Channelize. Many sequencers, including the MC-50MkII, require that you transmit your performance on the same MIDI channel that you wish the sequencer to play back. This means that you will need to change the BASIC channel to match the MIDI channel of the selected Part for each track. Many computer software sequencers have the ability to re-channelize the incoming data to any MIDI channel you

select. This function is typically called Keyboard Thru or Auto Channelize. Throughout the remainder of this guide, we will assume that your sequencer does not re-channelize incoming MIDI messages. For this reason, we will do most of our sequencing work from the SYSTEM MIDI menu.

- 1) Press SYSTEM, then press PARAMETER NEXT twice to access the MIDI display screen.
- 2) Press ENTER to access the BASIC MIDI channel. If it is not already set to 2, use the VALUE buttons and make it so.
- 3) Play your guitar, and you should hear the Part that you assigned to MIDI channel 2 earlier in this guide. Start recording your first track into your sequencer and it should record and play back your data.
- 4) Use the VALUE buttons to select the MIDI channel that you want to record your next track on. Part 2 of the GR-1's sound source should be set to MIDI channel 3, Part 3 should be set to MIDI channel 4, and Part R is on MIDI channel 10. If they are not set this way, review pages 2-4 to make the appropriate adjustments.
  - If you are using a computer-based sequencer, typically you will have Keyboard Thru or Auto Channelize. If that is the case, then you simply need to change the MIDI channel of the track on which you are recording to channels 2,3,4 and 10. Consult your sequencer's owners manual for more information.
- 5) Record onto track 2 of your sequencer. While you are recording, you should be hearing track 1 of the sequencer playing back Part 1 of the GR-1. The track you are recording should be playing Part 2 of the GR-1.
- 6) Repeat the last two steps to record onto track 3 on MIDI channel 4.
- 7) If you want to record a drum Part, set the external transmit channel on the GR-1 to 10.
- 8) Record your percussion Parts into the sequencer.

It is recommended that you insert MIDI bank and program changes at the beginning of a sequence so the correct sounds are recalled when loading and playing back sequences. Consult the owner's manual of your sequencer to find out how to do this.

### IV. Recording the GR-1's Performance Patch

To sequence a performance Patch of the GR-1, you have to set the GR-1 to Mono so that each string is on its own individual channel. This allows you to use splits, layers and velocity mix/switch Patches in your sequences. If you are using a sequencer that re-channelizes your data, you will need to set it up to record on six MIDI channels at the same time. Consult your software manual for more information. The Patch track has to be the final track in your recording procedure because it is necessary to be in poly mode to record with the multitimbral Parts. You can actually use any of the Patches in the GR-1, but remember that the effects settings of your selected Patch will also effect the multitimbral Parts. In other words, if you use a lead Patch that has echo programmed into it, you will have the same echo on your bass track and your drums. Let's set up the MIDI Out parameters.

- 1) Press the SYSTEM button and the PARAMETER NEXT button two times to return to the MIDI menus.
- 2) Press the ENTER button and the PARAMETER NEXT button to select BASIC. Choose BASIC 11 so that we are using MIDI channels 11 through 16 to trigger the Patch.
- Press the PARAMETER NEXT button to select MD, and VALUE the transmit mode to MONO.
- 4) Press the PARAMETER NEXT button again to access the BEND parameter. A Bend Range of 24 should be used if you need to sequence your string bending. The GR-1's Patches default to this setting so you will need to change the MIDI Out bend range to match the Patches default. A chromatic bend setting 0 is advisable when sequencing chords so that you can save memory in your sequencer.
- 5) Press EXIT twice to return to the PLAY mode and select the Patch that you want to use for your final track.

6) Play your guitar, and you should hear the Patch being played through MIDI. If you have been using Auto Channelize, turn it off so that incoming MIDI messages pass through your computer on the channels transmitted from your GR-1. Start recording on your sequencer and play your guitar.

### V. Common Questions

- Q: I play a note on my guitar, hold it and after a little bit, it jumps an octave in pitch.
- A: This problem is caused because the guitar in question is not outputting the correct pitch. This typically occurs because of one of two reasons. If this is occurring on a particular fret and note then chances are that you have a 'sweet spot' on your guitar that is outputting a tone that the GK-2A pickup is interpreting as an octave above the intended pitch. If this is occurring on a particular string or range of frets, the chances are that a harmonic of a note is being accidentally triggered for that string or group frets. This effect can also occur with open strings. When the GK-2 or GK-2A pickup sees this new pitch, it assumes you meant to play a harmonic on the guitar and accordingly matches it with the appropriate note one octave up. This is primarily caused when a string vibrates and hits a loose or high fret and in turn creates a harmonic. Whichever problem you are having, typically the solution is a 'fret file'. A 'fret file' is an operation where a technician will file down the frets of your guitar so they have more consistent height. This operation should be performed by a qualified guitar technician. Raising the action of the strings can also yield results.
- Q: I play my guitar and get bizarre pitch results when using the GR-1 through MIDI.
- A: This problem is primarily caused when the pitch bend range of the transmitting device and the pitch bend of the receiving device do not match. Check the settings in the GR-1's MIDI Out section and the receive section of the sound module and make sure they match. Ideal settings for pitch bend range send and receive are typically 12 or 24.
- Q: I play the same string and fret but get different notes each time I play through MIDI..
- A: This problem is typically caused by uneven pitch being generated by the guitar. You can test this by plugging the guitar into a guitar tuner (not the GR-1) to check and see if your guitar is outputting different pitches each time you play. If this is the case, then your guitar frets may need work. Remember the tracking of the GK-2 pickup is only as good as your guitars output.
- Q: I play notes that are on pitch, but I still see pitch bend messages on my sequencer.
- A: Whether you play perfectly or not, you'll always send small amounts of pitch bend. It is not possible to play perfectly all the time. By playing a little bit off-the-fret of your guitar you will generate pitch bend messages. Turn the BEND to OFF when not needed. If you already have pitch bend range turned OFF and are still getting a pitch bend message with a value of '0,' this is normal. Even with the BEND set to OFF the GR-1 always outputs a pitch bend message with a value of '0' before each note to make sure the previous notes will be played in tune.
- Q: Can I use the GR-1 with a 12-string guitar, bass, pedal steel guitar, banjo or ukulele?
- A: While the GR-1 is not designed for a banjo, pedal steel, or ukulele, we've heard of some success with these types of instruments. However, since this unit was not designed for these types of instruments, Roland cannot endorse this application. What does this mean? Take your instrument of choice to a store and hook it up with a GK-2A and decide if the unit is able to track your instrument in the fashion you desire.
- Q: Why does the GR-1 seem to track slower through MIDI?
- A: Consider this the cable that connects from the GK-2A to the GR-1 has 13 pins, so the internal sound source of the GR-1 tracks very quickly. A MIDI cable only has two pins connected, so many messages must wait in line and therefore will take longer to get down the MIDI cord. Turning BEND to OFF will cut down on the amount of MIDI messages the GR-1 will have to transmit and therefore possibly the waiting time.
- Q: The GR-1 receives continuous controllers 7 and 11. What are they used for?

- A: Controller 7 is used for master volume. Controller 11 is an expression control within the master volume. For example if we set controller 7 to 50, controller 11 would be a volume control with a maximum volume of 50.
- Q: Can I dump the sequence I made on the GR-1's internal sequencer to an external sequencer to continue editing?
- A: A sequence made using the GR-1's internal sequencer can only be transferred to external sequencer for storage purposes. The only way the GR-1's sequencer will send out its contents is via a bulk dump. This information is sent using a different type of transfer that a sequencer is not able to interpret and change to note information.
- Q: How come my tape sync device does not work properly when the GR-1's MIDI Out is connected to my MIDI system?
- A: The GR-1 outputs active sensing messages at all times. Although part of the original MIDI specification, active sensing messages can cause problems with tape sync devices and can cause timing mistakes on the tape sync device. These messages can not be turned off, therefore, disconnect the MIDI out of the GR-1 while using tape sync devices. You can also filter active sensing with many patch bays and MIDI interfaces.
- Q: How come I'm hearing all the music I have recorded playing the tone I've selected?
- A: While you are in the tone select screen, the GR-1 changes to OMNI ON. In this mode, no matter what MIDI channel you send to the GR-1, it will play the currently selected tone. Exit this screen to alleviate this problem.
- Q: How come I am not able to hear the Patch that I recorded play back when using an external sequencer on MIDI channel 1?
- A: When the GR-1 is in MONO mode, the BASIC channel and the next 5 channels are used for the current Patch in memory. If you have the BASIC channel set to 1 then you are using channels 1-6 for the Patch. The Parts that are set up in the sequencer section of the GR-1 will override the Patch of the GR-1. Change the BASIC channel of the GR-1 to 11 to alleviate this problem.
- Q: How do I sync the internal sequencer of the GR-1 to an external sequencer?
- A: It is not possible to have the GR-1's internal sequencer follow an external MIDI device via MIDI clock. The GR-1 does transmit MIDI clock messages when its internal sequencer is started. If you wish to sync the GR-1 internal sequencer and another device you must connect the MIDI out of the GR-1 to the MIDI IN of an external sequencer. Then you must set the external sequencer to follow MIDI clock. However, the GR-1 does not respond to MIDI clock messages unless it is in DOWNLOAD mode. DOWNLOAD mode is used for the purpose of transferring a song from an external sequencer to the internal sequencer of the GR-1.
- Q: Can I put the GK-2A pickup in a different position on my guitar?
- A: While the control section of the pickup can be moved to various positions, it is important that the pickup mechanism itself be installed in a manner as directed by the GK-2A owner's manual. Please use the picture in the GK-2A's owner's manual as your guide to installation.
- Q: Why am I not able to select expansion board Patches from the PN-GR1-01 while using my GR-1 with MIDI?
- A: The is caused when the GR-1's MIDI IN and OUT are connected to an external MIDI device and a MIDI loop is created. The Patches on the PN-GR1-01 have been made with program changes 1-64. When selecting Patches from the PN-GR1-01 card with your GR-1 you will send out these messages. These program changes bring up the first 64 Patches of the GR-1 instead of the card Patches. For instance, after you select a Patch such as 311, the GR-1 will transmit program change 1, receive it and then change to 111. There are a few ways to fix this problem. Turning the Basic Channel to OFF will stop the GR-1 from transmitting or receiving program changes. You can also filter program changes on your external MIDI device so they do not get back into the GR-1.

March 24, 1997

The following is a listing of the TurboStarts contained in this book. TurboStarts are arranged alphabetically by model number.

GP-100	Guitar Preamp/Processor
GR-09	Guitar Synthesizer
GR-1	Guitar Synthesizer
GR-30	Guitar Synthesizer
GT-5	Guitar Effects Processor
GX-700	Guitar Effects Processor
ME-6	Guitar Multi Effects
ME-8	Guitar Multi Effects
ME-8B	Bass Multi Effects
ME-10	Guitar Multi Effects
SX-700	Studio Effects Processor
VG-8	V Guitar System
VG8S-1	VG-8 System Expansion





### ••• Roland GP-100 TURBO FACTS •••

The Roland GP-100 Guitar Preamp/Processor is the first rack mount effects processor to use Composite Object Sound Modeling (COSM). This new technology allows the GP-100 to accurately reproduce classic guitar amps, a large selection of speaker cabinets and several different microphones. Dedicated knobs are provided to allow you to easily change the preamp settings of the GP-100. The GP-100 can produce up to 16 effects simultaneously which can be arranged in any order. These include a wide variety of effects like ducking delay, tap delay, noise suppressor, phaser, reverb, slow gear, tremolo/pan, chorus, compressor /limiter, equalizer and intelligent pitch shifting. The 200 Preset and 200 User Patches include 16 realtime controllers, selectable stereo outputs, two programmable effects loops and two external control switches. The system can be set up with a quitar amp or direct to the board for recording. The GP-100 also includes a built in chromatic guitar tuner.

# Initializing the GP-100

- 1) Hold the PARAMETER knob while powering on.
- 2) Press WRITE.

### Connecting the GP-100 to a Sound System

Both pair of stereo outputs can be individually setup to work with a standard guitar amp or direct into a full range PA or recording system. The factory presets are setup to use the OUTPUT A L(MONO) and R connections. Connect a set of cables from these outputs.

- 1) Press GLOBAL.
- 2) Rotate PARAMETER to Amp Being Used:A.
- 3) Rotate VALUE to select Solid State or Tube to determine the amplifier you are using.
- 4) Dial PARAMETER to SP(eakers) Being Used:A. VALUE to the appropriate cabinet type Built In for combo amps or stack for separated.
- 5) Dial PARAMETER to SP(eaker) Color:A. Dial VALUE to Adjust for guitar amp.
- 6) Press EXIT to return to play mode.

# • Tuning the Guitar

- 1) Connect a guitar to the INPUT on the front panel.
- 2) Press the TUNER button and play each string.
- 3) Adjust the tuning of each string to the center position of the meter.
- 4) Press EXIT to return to play mode.

# Auditioning Patches

The GP-100 has 200 user programmable (001 to 200) and 200 preset patches (201 to 400). To scroll through patches one at a time, rotate the NUMBER knob. Pressing the NUMBER knob in while rotating it will change patches in increments of 10. Check out the following patches:

- 1) 001 CLASSIC STACK 1959 Marshal stack with realistic dynamic control.
- 002 JC-120 Clean Original sound of the Roland JC-120 Jazz Chorus amplifier.
- 3) 007 5VOICE HARMONY Thick harmony in the key of C.
- 4) 011 BOOGIE LEAD Mesa Boogie Lead channel with stack.
- 5) 012 VINTAGE TWIN Classic Fender Twin with 2 x 12" speakers.

# Editing Sounds

The PREAMP knobs are similar to knobs on a standard guitar amplifier. Rotate the knob past the original value so that it catches the number, then continue to rotate to change the value of the selected parameter.

- 1) Select any patch as a starting point.
- 2) Rotate the PARAMETER knob. The effects will be abbreviated with two letters.
- 3) Press the VALUE knob to turn effects ON or OFF. Rotate VALUE to change the placement of the selected effect in the chain. (The DUAL algorithm can not reorder the effects).
- Continue rotating PARAMETER to access the parameters of each effect. Press and rotate PARAMETER to skip through each effect quickly
- Rotate VALUE to change effects settings. Press and rotate VALUE knob to change values quickly.

# Writing a Patch

Once you have edited a sound you can write it to any of the 200 user programmable memory locations.

- 1) Press WRITE. The number of the PATCH will flash.
- Use the VALUE dial to select the location in which you want to store your Patch.
- 3) Press WRITE again.





#### Realtime Control

With an FC-200 MIDI Foot Controller, expression pedal, or foot switch, it is possible to control up to 16 parameters of the GP-100 in realtime - 8 continuous and 8 effects on/off. Connect the FC-200 to the MIDI IN and an expression pedal to the EXP Pedal jack on the back. The CONTROL 1/2 jack can be used with a PCS-31 insert cable and two FS-5U foot pedals to turn effects on and off without changing a patch. To program the GP-100 to respond to the expression and control pedal on the FC-200:

- Rotate PARAMETER until the screen reads [Assign 2 Target]. Rotate VALUE to select parameters. (Assign 1 can only be used for volume or wah. Assign 2 through 8 can target any parameter).
- Rotate PARAMETER to [Assign 2 Min] and use VALUE to set the range. Repeat for [Assign 2 Max].
- Rotate PARAMETER to [Assign 2 Source] and VALUE to [MIDI CTL #7] for FC pedal, [MIDI CTL #80] for FC switch, [EXP PEDAL] or [CONTROL 1/2] for pedals.
- 4) Experiment with the pedal to see how it controls the sound parameters in realtime.

# • Understanding Algorithms

The top row of the display screen shows the Patch number and Algorithm name. Algorithms are a collection of effects with the parameters available for each effect. The GP-100 has five algorithms: BASIC, DELAY, HARMONY, VINTAGE and DUAL.

BASIC: A set of effects that are quick and easy to program, including Compressor,

Wah, EQ, Noise Suppressor,

Harmonist, Delay, Chorus and Reverb.

DELAY: All the effects available in BASIC plus Phase, Flange and a more powerful 4

tap ducking delay.

HARMONY: The BASIC effects with an impressive

intelligent pitch-shifter.

VINTAGE: The BASIC effects along with some

unique BOSS pedals including

Tremolo/Pan, Vibrato, Auto Wah, Slow

Gear and Feedbacker

DUAL: Two chains of effects which include the Preamp along with EQ, Delay, Chorus and Reverb. These chains can be layered, switched or morphed in

realtime with a foot pedal or other

controller.

#### ••• GP-100 COSM Models\* •••

# **Amplifiers**

Roland JC-120
Fender Twin
Matchless (Vox AC-30 clone)
Mesa Boogie Lead
Marshall 1959
Soldano
Peavey 5150 Rhythm
Peavey 5150 Lead

### **Pedals**

OD-1 Overdrive
OD-2 Turbo Overdrive
DS-1 Distortion
FZ-2 Fuzz pedal

# **Speaker Cabinets**

Small open-back enclosure - 1 x 10"
Open-back enclosure - 1 x 12"
Open-back enclosure - 2 x 12"
Large sealed enclosure - 4 x 12"
Large dual stack - 4 x 12"

# <u>Microphones</u>

SM-57

Electro Voice RE-20 U-87 condenser mic

\* All products are trademarks of their respective companies.





#### ••• GR-09 GUITAR SYNTH TURBO FACTS •••

The new Roland GR-09 is an inexpensive Guitar Synthesizer featuring 180 high quality tones, 128 patches, 2 independent effects processors and Roland's exclusive high speed tracking technology. The 180 tones (2 megabytes) have been hand-picked from Roland's extensive sample library. The operations of the GR-09 have been consolidated to 2 easy to use dials to choose various parameters. Assignable expression pedal per patch and multiple pedal operations make the GR-09 suitable for live applications. The GR-09's 28 notes of polyphony accomodate even the most extensive sounds like layers and splits. The sounds of the GR-09 can be expanded to 360 tones with the optional GR9E-1 4 megabyte expansion board.

# Initializing

- 1) While holding PEDAL 2, turn on the GR-09.
- 2) Press + followed by EDIT/PLAY.

# • ROM Play

- 1) While holding PEDAL 1, turn on the GR-09.
- 2) Press EDIT/PLAY.
- 3) Press EDIT/PLAY again to stop.
- 4) Turn the unit off and on to return it to its normal state.

# Tuning your Guitar

The GR-09 uses high speed pitch conversion to activate its internal sounds. It is for this reason, that proper guitar tuning is essential.

- 1) Hold down the S1 button on the GK-2 or GK-2A, press PEDAL 1.
- 2) Play each individual string. The left of the display will indicate what string number you have played.
- 3) Tune your guitar to the display using the group of five LED lights and display as your guide.
- 4) The right of the display indicates the current pitch. The middle light of these five LED's indicates proper tuning.
- 5) Tune all your strings to the GR-09 using this method.

# Playing Patches

There are two methods used to change patches on the GR-09: from the front panel switches and with the foot switches.

- Front Panel method
- 1) Use the +/- value buttons to select various patches.

# Playing Patches (cont.)

- Changing patches with the footswitches:
- 1) Hold the S1 button on the GK-2 or GK-2A and press Pedal 2 entitled NEXT GROUP to change the group (A,b,C,d)
- 2) Hold the S1 button on the GK-2 or GK-2A and press Pedal 3 (BANK DOWN) or Pedal 4 (BANK UP).
- 3) Release the S1 button and press Pedals 1-4 to choose the desired Patch.

# Using Pedals for Pitch Bend or Modulation

The Pedals can be used to control Pitch Shift, Modulation, Hold 1 and Hold 2. Pitch Shift will raise or lower the pitch of the synth sound. Modulation adds vibrato to the current synth sound. Both the Hold 1 and 2 functions are used for sustaining the synth sound of the GR-09. The Hold 1 function will sustain currently active synth notes and let you play the guitar sound on top. The Hold 2 function will sustain only the currently held strings and let you play guitar or synth sound on top.

- 1) Press the S2 button on the GK-2 or GK-2A.
- 2) 'Pdl' will appear in the display.
- 3) Pedals 1 thru 4 will now function as Pitch Shift, Modulation, Hold 1 and Hold 2.
- 4) Press the S2 button to return to normal play mode.

### Creating Custom Sounds on the GR-09

The GR-09 contains 128 patches, the first 64 of which are pre-programmed from the factory with various sounds. The last 64 sounds are initialized settings available for you to edit and change. A patch is made up of up to two samples called Tones. Patches also control various editing parameters involved with the Tones.

# Choosing new Tones

- 1) Choose Patch C11.
- 2) Press EDIT/PLAY.
- 3) Turn the MODE knob to PATCH EDIT 1.
- 4) Turn the PATCH PARAMATER knob to MAIN TONE#.
- Select the new Tone (1-180) with the VALUE +/buttons.
- 6) Press EDIT/PLAY when completed.

# Modifying Other Parameters

- Turn PATCH PARAMETER to the desired parameter for example - ATTACK. The ATTACK parameter controls how fast the sounds come in.
- 2) Modify values with the VALUE +/- buttons.

# Saving the Changes

- 1) Turn the MODE knob to WRITE.
- 2) Press VALUE + and simultaneously.



# GUITAR SYNTHESIZER



### ··· ROLAND GR-1 TURBO FACTS ···

The revolutionary GR-1 is the guitarist's guitar synthesizer. The user-friendly, floor-module design with lightning-fast tracking allows performers to take advantage of the 200 CD-quality sounds – designed exclusively for guitarists. The onboard digital reverb and chorus add the professional touch whether playing live or using the 2,000 note sequencer.

# Initializing

- 1) Turn power off.
- 2) Hold WRITE/COPY while turning on.
- 3) Press ENTER/YES.

# Playing patches

- 1) Press BANK footswitch (bank number flashes).
- 2) Press footswitches 1 through 4.
- 3) Press GROUP UP, and repeat above to access the second group of 32 patches.

Note: The first eight patches (bank 1-1 through bank 2-4) are demo patches of the quickest tracking sounds and give an idea of the GR-1 sonic capabilities.

### Auditioning Tones

- 1) Choose patch 1-1.
- 2) Press 1ST TONE.
- 3) Use DEC/INC buttons or VALUE knob (vibrato rate) to choose any of the 200 tones.
- 4) Press EXIT when done.

# Layering Tones

- 1) Choose patch 3-1 "GRAND."
- Press string mode select CHANGE until 1ST and 2ND both appear.
- Strings are automatically selected. Press 2ND TONE and use INC/DEC to choose new 2nd tones.
- 4) Press EXIT when done.

# Layering Guitar

- 1) Choose patch 1-4 (group 1) "SCATIN."
- 2) Put GK-2 switch on MIX and play jazzy riffs.
- 3) Choose patch 4-2 "BIG STGS."
- 4) Layer clean guitar sound and play chords.
- 5) Choose patch 2-1 "FEEDBACKER."
- 6) Layer metal guitar sound with it.

#### Quick edit-tones

- 1) Choose patch 2-4 "GIT+STGS."
- 2) Put TARGET knob on 2ND.
- Turn ATTACK slightly counterclockwise to speed it up.

# · Quick edit-effects

- Put TARGET knob on COMMON.
- Turn LEVEL and TIME clockwise to hear more reverb.

# • Show splits and v-switch/v-mix modes

- 1) Choose patch 6-1 in GROUP 2 "BEAT KIT."
- 2) Choose patch 7-3 in GROUP 2 "BASS>PNO."
- 3) Choose patch 4-1 in GROUP 1 "V-SW STNGS."

# Playing the Sequencer demo

1) Press START/STOP

# Playing along with the sequencer

- 1) Let sequencer continue after demo song.
- 2) Choose patch 3-4 "ROCK BEE."
- 3) Play along with demo.

# Recording a quick sequence

- 1) Turn unit off.
- 2) Press and hold EXIT/NO while turning on (song init OK?).
- 3) Press ENTER (reboots).
- 4) Press RECORDER/PART.
- 5) Press ENTER/YES, the display reads "1-2-3-D-." These are the 3 parts and drums.

The part with the flashing underline is the one selected to record. The CURSOR takes you to other parts.

- 6) Press ENTER/YES.
- 7) Press REC.
- 8) Press START/STOP. You'll hear 2 bars in and the recording begins at the 3rd bar.
- 9) Press START/STOP when you done recording.
- 10) To play, press START/STOP.

By pressing EXIT, you will be returned to the track select screen to select another part by cursoring to it.



#### GUITAR SYNTHESIZER

### ••• ROLAND GR-30 TURBO FACTS •••

The GR-30 is the newest guitar synthesizer from Roland. It features 8 megabytes of ROM waveform data, 256 Patches (128 Preset and 128 User) and 384 high quality tones such as Pianos, Violins, Organs, Drums, and Percussion. The GR-30 includes an impressive Arpeggiator that allows you to create independent string sequences of various finger picking patterns. The GR-30 also includes Intelligent Pitch Shifting, Reverb, Chorus, Delay, Wah, Whammy Effects, and a Chromatic Tuner.

#### Initialization

To reset the factory settings:

- 1) Power on while holding down Pedal 2.
- Press PATCH [+] to select the type of initialization ("PAt" intializes Patches, "SyS" initializes system settings, and "ini" initializes all settings).
- 3) Press EDIT/PLAY.
- 4) Press the PATCH +/- buttons simultaneously

# Setting String Sensitivity

Setting the string sensitivity is critical for obtaining maximum performance from your GR-30. Use the following procedure:

- 1) Turn the PARAMETER SELECT knob to select PICKUP SENS (1-6).
- 2) Press EDIT/PLAY, then play a string.
- 3) Use the PATCH (VALUE) +/- buttons to set the level. Turn the level up until the red light appears, then back off the level by one.
- 4) Press EDIT/PLAY to return to Play Mode.

# Using The Guitar Tuner

Use the following procedure to tune your guitar:

- 1) While pressing the S1 button on GK-2A, press Pedal 1 (or press PATCH [-] while holding EDIT/PLAY.
- 2) Play a string and tune accordingly. When the light in the center turns from green to red you are in tune.
- Press any pedal or the S2 button to return to Play Mode.

# Auditioning Patches and Tones

The GR-30 includes 128 Preset and 128 User Patches that allow you to combine two of the 384 tones. Use the following procedure to access the patches using the GK-2A pickup:

- 1) Turn the PARAMETER SELECT knob to select PATCH INC/DEC BY S1/S2 Guitar Select.
- 2) Use the S1/S2 buttons on the GK-2A to change patches up and down.

### To access Tones:

- 1) Turn the PARAMETER SELECT knob to A.
- Turn the EDIT TARGET knob to 1<sup>st</sup> or 2<sup>nd</sup> TONE.
- Use the PATCH (VALUE) +/- buttons to change Tones.



# Selecting Arpeggiator Patches

The GR-30 allows you to create individual string sequences similar to finger picking styles. The following Patches use the Arpeggiator:

### Patch A11

Try some different chords.

#### Patch A14

Try a few chords, be sure to let arpeggio play out.

#### Patch A21

Try the chord sequence Am, E, G, D, F, C, Dm, E.

#### Patch A31

Play strings 2 and 6 simultaneously.

# Using The Harmonist

The Harmonist feature allows you to add harmonies that intelligently follow your notes in the selected key. Use the following procedure:

- 1) Select Patch A81 and press EDIT/PLAY.
- 2) Turn the PARAMETER SELECT knob to A.
- 3) Turn the EDIT TARGET knob to ARPEGGIO/harmony.
- 5) Use the PATCH (VALUE) +/- buttons to select h-1.
- 6) Turn the PARAMETER SELECT knob to B.
- 7) Use the PATCH (VALUE) +/- buttons to select Harmony Interval.
- 8) Turn the PARAMETER SELECT knob to C.
- 9) Use the PATCH (VALUE) +/- buttons to select Key.
- 10) Turn the PARAMETER SELECT knob to WRITE TO and use the PATCH (VALUE) +/- buttons to select a Patch location.
- 11) Turn the PARAMETER SELECT knob to WRITE PATCH.
- 12) Press the PATCH (VALUE) +/- buttons simultaneously to permanently save the new Patch.

#### Effects

The GR-30 offers several effects such as Reverb and Chorus. Use the following procedure to select the desired effect:

- 1) Press EDIT/PLAY.
- 2) Turn the PARAMETER SELECT knob to A.
- 3) Turn the EDIT TARGET knob to EFFECT.
- 4) Use the PATCH (VALUE) +/- buttons to select Reverb Type.
- 5) Turn the PARAMETER SELECT knob to B, and use the PATCH (VALUE) +/- buttons to adjust Reverb Level.
- 6) Turn the PARAMETER SELECT knob to C, and use the PATCH (VALUE) +/- buttons to adjust Reverb Time.
- 7) Turn the PARAMETER SELECT knob to D, and use the PATCH (VALUE) +/- buttons to select the type of CHORUS or FLANGE.
- 8) Turn the PARAMETER SELECT knob to WRITE TO and use the PATCH (VALUE) +/- buttons to select a Patch location.
- 9) Turn the PARAMETER SELECT knob to WRITE PATCH and press the PATCH (VALUE) +/- buttons simultaneously to permanently save the new Patch.





GUITAR EFFECTS PROCESSOR

### ··· BOSS GT-5 TURBO FACTS ···

The BOSS GT-5 is the first pedal board style Guitar Multi Effects Processor to incorporate Composite Object Sound Modeling (COSM). This technology allows the GT-5 to emulate several of the world's most popular guitar amps and speaker cabinets. The GT-5 includes 28 digital effects and 11 BOSS Overdrive and Distortion pedals. There's a wide variety of Modulation, Delay, and Reverb Effects such as the Humanizer, Harmonist, Trem/Pan, Sound On Sound Delay, and Reverb. The new Acoustic Guitar Simulator and HRM Guitar Synth Waveforms make the GT-5 extremely versatile. Up to 10 controllers can be assigned per patch and they can be controlled by the built-in control or expression pedals, external pedals or assignable MIDI controllers. Manual Mode allows you to turn effects On and Off with the pedal board. The built-in effects loop of the GT-5 allows you to add additional pedals and effects. A chromatic guitar tuner is also included in the GT-5.

#### Initialization

The GT-5 allows you to select which areas of the system to initialize. Use the following procedure to return the entire system back to it's factory settings:

- 1) Turn the Power ON while holding down the MOD and FEEDBACKER/SLOW GEAR buttons.
- 2) Use the VALUE DIAL to select System and #4-5-5.
- 3) Press WRITE.

# Connecting the GT-5 to an Amp or PA System

The GT-5 can be used with a guitar amp or full range PA. You can specify the type of amp being used such as Tube or Solid State. Connect two audio cables from the Stereo Outputs to the L & R Inputs of your sound system.

- Press UTILITY.
- 2) Use the VALUE DIAL to select the type of amp.
- 3) Press the PARAMETER RIGHT button to select SPEAKER SIMULATOR. Use VALUE to select PATCH DATA (speaker simulator on/off is determined by the Patch), ALWAYS ON, or ALWAYS OFF.
- 4) Press EXIT.
- 5) Connect your guitar cable to the back panel INPUT.
- 6) Use the INPUT MIN/MAX Volume Knob to adjust the input level, so the Overload Light does not light up.

### Tuning the Guitar

The Chromatic Tuner allows you to tune your guitar to normal pitch, or you can set it to display a half or whole step below normal tuning.

- 1) Press TUNER/BYPASS and play each string.
- 2) Adjust the pitch of each string to the center position on the meter.
- 3) Use the PARAMETER buttons to access additional tuning options, if desired.
- 4) Press EXIT

# Selecting Patches

The GT-5 includes 250 Patches that are organized by Group, Bank, and Number. There are 4 User Groups and 6 Preset Groups. The Preset Numbers are highlighted in the LCD Display. The Patches can be switched by pressing the appropriate foot pedal.

- 1) Press the GROUP button to select the GROUP.
- 2) Press the FOOT PEDAL marked B to change BANKS followed by one of the five pedals. The Bank Number in the LCD will blink until you press a number pedal.
- 3) Press Pedals 1-5 for Patches. The red light on the pedal will be lit when the Patch is being used.

# Editing Patches

The GT-5 has 16 buttons that correspond with the 28 effects that can be individually edited. When the corresponding red light is ON, the effect is being used.

- 1) Press the desired Effect Button.
- 2) Turn the VALUE DIAL so that the Effect is ON or to select the desired User (U) or Preset (P).
- 3) Use the PARAMETER buttons and the VALUE DIAL to select the Effect Parameters.
- 4) Press WRITE to save the settings.
- 5) Use the VALUE DIAL to select a Patch Location.
- 6) Press WRITE to complete.

#### Real Time Control

The pedal board on the GT-5 includes a built-in Control and Expression Pedal which can be used to control up to 10 parameters at once, per patch. You can also assign real time controllers to external foot pedals or MIDI controllers.

- 1) Press PEDAL/ASSIGN.
- 2) Turn the VALUE DIAL to select Expression Pedal ON, or to choose between User (U) and Preset (P).
- 3) Use the PARAMETER RIGHT button to select Target, and use the VALUE DIAL to choose the desired Target.
- Use the PARAMETER buttons and VALUE DIAL to select and change the MIN and MAX assign settings.
- 5) Press WRITE to save to the desired Patch location.

# Manual Mode

Manual Mode allows you to use Pedals 1-5 as ON and OFF switches for selected Effects. It is not necessary to change patch numbers to enter Manual Mode.

- 1) Press MANUAL.
- 2) Use the PARAMETER buttons to select the Effect Type and the VALUE DIAL to make a selection.





#### ••• BOSS GX-700 TURBO FACTS •••

The GX-700 Guitar Effects Processor is a single rack space preamp/processor which combines 21 highly sophisticated guitar effects with unprecedented operational ease. Up to 13 effects, including intelligent pitch shifting, can be used simultaneously and the connection order is user assignable. The GX-700 uses Roland's proprietary Composite Object Sound Modeling(COSM) technology and offers the flexibility of a built-in preamp and speaker simulator.

# Auditioning Patches

The GX-700 has 100 user programmable Patches in memory locations 1 to 100, and 100 preset patches in 101 to 200. To scroll through patches, simply rotate the NUMBER knob. Pressing the NUMBER knob in and rotating it will change patches in increments of 10.

### • The Tuner

- 1) Connect a guitar to the INPUT.
- Press the TUNER button (it can also be assigned to a foot pedal) and tune each string.
- 3) Press PLAY to return to play mode.

# • Effects On/Off & Editing Parameters

- 1) VALUE knob to select preset patch [101].
- 2) Press the EFFECT SELECT button of your choice to access the parameters.
- 3) Pressing the button again toggles effect on/off.
- PARAMETER buttons to scroll through the parameters in the selected effect.
- VALUE knob to change the selected effects setting in single increments. Press and rotate VALUE knob to change in increment of 10.

#### The Order Of Effects

- 1) Press LEVEL/CHAIN to access edit mode.
- PARAMETER right to the effects list. Move the cursor (a little man) to the position where you want to move an effect. For example, move the man in between the WAH and OD/DS effect.
- 3) To move effect into new location press the EFFECT SELECT button with effect.

# The Preamp

- 1) Select any patch as a starting point.
- 2) Press the EFFECT SELECT PREAMP button.
- Use the PARAMETER buttons to select [Type] and pick an amp with the VALUE knob.
- 4) Continue using the PARAMETER buttons and the VALUE knob to program the amp settings.
- 5) Repeat the same procedure with EFFECT SELECT SP.SIM for selecting and programming a speaker cabinet to go with the preamp.

### The Effects Loop

- 1) Press EFFECT SELECT PREAMP to turn off.
- Press EFFECT SELECT LOOP until it turns on. If your guitar preamp is in the loop you should hear it.
- 3) Make the setting in your normal guitar amp to your liking. Don't worry about volume.
- 4) PARAMETER right to access the [Level] of the loop and VALUE it to a good setting.

#### The Harmonist

- 1) The Harmonist is one of the MOD effects. Press the EFFECT SELECT MOD button to on.
- PARAMETER right one time to [Mode] and VALUE to [Harmonist].
- 4) PARAMETER to [Key] and select one.
- 5) PARAMETER to [Harmony 1], VALUE to [+3rd]. Play a scales in your selected key. You will discover the pitch shifted interval changes from a major to minor 3rds.

# Real Time Control Assign:

With an FC-200 MIDI Foot Controller, and/or an expression pedal and foot switches plugged into back, it's possible to control up to seven parameters in real time, three preset & four user programmable. Connect FC-200 to MIDI In and/or the expression pedal and momentary foot switch (FS-5U or DP-2). (The FC-200's Expression and Controller foot switch transmit MIDI CTL# 7 and 80).

# Volume Pedal

- 1) Press EFFECT SELECT LEVEL/CHAIN button and PARAMETER right to [Assign 1 Target].
- 2) Rotate VALUE knob to select [FV : Level] for foot volume control before the delay.
- PARAMETER to [Assign 1 Min] / [Assign 1 Max].
   VALUE to appropriate settings.
- PARAMETER to [Assign 1 Source], VALUE to [MIDI CTL #7] for FC-200 expression pedal or [EXP PEDAL] for an expression pedal in back.
- 5) Experiment with the pedal to see how it controls the sound parameter in real time.

### Naming The Patch

- 1) PARAMETER right until you reach [Name Edit].
- Use VALUE to select letters and PARAMETER to move the cursor left and right. Press VALUE to toggle between CAPITOL and small letters.

### Writing The Patch

- 1) Press WRITE, The PATCH number will flash.
- 2) VALUE to select a different location (optional).
- 3) Press WRITE again



# GUITAR MULTI-EFFECTS



# ··· BOSS ME-6 TURBO FACTS ···

The ME-6 is a versatile effects processor featuring a user-friendly, floor-pedal design and six popular effects that can be combined simultaneously with noise-free performance. It has real analog distortion and overdrive which can be configured and saved to 15 patch locations.

# Initializing

- 1) Turn power off.
- 2) Press and hold CURSOR DOWN and LEFT.
- 3) Turn power on.
- 4) Press WRITE.

# Choosing Patches

- 1) Press bank (B) footswitch and choose bank 2 with #2 footswitch. Choose patch 4 Mega Stack.
- 2) Choose patch 5 (in bank 2) Chorus Distortion.
- 3) Press bank (B) footswitch and choose bank 3 with #3 footswitch. Choose patch 3 Clean Chorus.
- 4) Choose patch 1 (in bank 3) Sweet Overdrive.

#### • Audition Distortions

- 1) Choose patch bank 2, number 4.
- 2) Press EDIT/ESC (you are now in edit mode).
- 3) Press the left/right cursors until OVERDRIVE/DISTORTION flashes.
- 4) The parameter LED (on the right) should be on MODE, if not press the up cursor until you're at the top.
- 5) Use VALUE up/down to select modes
  - 1-Mild overdrive such as a BOSS OD-1.
  - 2-High gain overdrive like a BOSS OD-2.
  - 3-Distortion with a mid boost like a BOSS DS-2.
  - 4-Distortion like a MT-2 Metal Zone with enhanced low end.
  - 5-OD-2 with EQ placed before the EQ.

# Delay

- 1) Turn DELAY on by pressing footswitch #4.
- 2) Cursor over to DELAY TIME.
- 3) Set to 500 milliseconds (50.) with VALUE.
- 4) Adjust EFFECT LEVEL (3) and FEEDBACK (1).

# Compressor

- Turn COMPRESSOR on by pressing footswitch #1
- 2) Cursor over to COMPRESSOR SUSTAIN.
- 3) Set to 10 using VALUE.

#### Reverb

- 1) Turn Reverb on by pressing footswitch #6.
- 2) Cursor over to REVERB MODE.
- 3) Set the MODE to 1-4.

# Writing to Manual Memory

- 1) Press WRITE.
- 2) Press MANUAL twice.
- 3) Press WRITE again.

# Manual Mode

Manual mode can be used to turn on and off individual effects with the pedals of the ME-6. This allows a user to treat the ME-6 as 6 separate effects pedals.

- 1) Press MANUAL.
- Individual effects can now be turned on/off at will with the footswitches, just as if you had individual BOSS compact pedals.

The correlation of footpedal-to-effect is as follows:

- 1) Compressor.
- 2) Overdrive/Distortion.
- 3) Equalizer
- 4) Delay.
- 5) Chorus/Flanger.
- 6) Reverb.

# Controlling the Volume of the ME-6 in Realtime

- 1) Connect a FV-300L, FV-300H or EV-5 to the EXP Pedal with a stereo 1/4 inch cable.
- 2) The Volume of the ME-6 will be controlled between the Noise Suppressor and the Delay effects.



### GUITAR MULTIPLE EFFECTS



#### ••• BOSS ME-8 TURBO FACTS •••

The ME-8 Guitar Multiple Effects is a BOSS pedal board-style unit, which combines impressive proprietary technology with the most popular BOSS effects. It has 100 Patches, 50 User and 50 Preset, plus an easy to use manual mode and built in tuner.

# Selecting Patches

There are 4 Groups each with 5 Banks of 5 Patches. Groups 1 & 2 are User, 3 & 4 are Presets.

- 1) Press GROUP.
- 2) Pressing a numbered pedal selects the GROUP.
- 3) Press the BANK foot switch.
- 4) Pressing a numbered pedal selects the BANK.
- 5) Pressing a numbered pedal selects the Patch.

#### The Tuner

- 1) Press TUNER, or an FS-5U connected to TUNER REMOTE.
- 2) Play a note, the letter will appear in the display.
- 3) Tune value will show up on the LED's.

Activating the tuner mutes the sound.

#### Manual Mode

There is one additional memory for manual mode.

- Press MANUAL or an FS-5U connected to the MANUAL REMOTE input.
- 2) Effects can be turned on/off with the pedals.

#### Delay Remain

Delay Remain makes transition between patch changes smooth when the newly selected patch doesn't have Delay and/or Reverb on.

- 1) Turn DELAY on. (If you're not in edit mode, press EDIT and press the BANK pedal).
- 2) Press WRITE twice to write the patch into 1-1-1.
- 3) Patch 1-1-2 has DELAY off. Play staccato note or chord and change to Patch 1-1-2 with out DELAY.

# Patch Editing

Parameters are a matrix directly below effect type. Four PARAMETER buttons select the parameters. The LED on the right shows where you are. VALUE up and down buttons change the value of the parameter and foot pedals turn effects on/off.

- 1) Select patch 1-1-1. Press EDIT.
- 2) Use the foot switches to turn effects on or off.
- 3) PARAMETER to select the MASTER effects.
- 4) Use VALUE to modify the Level.
- PARAMETER down twice to GUITAR AMP SIMULATOR.
- 6) Use VALUE to select [S] or [L] cabinet sizes.

### Writing A Patch Into Memory

There are 100 patch location (plus one manual mode patch). The first 50 are user programmable.

- 1) Make desired modification, then press WRITE.
- 2) You can write this patch into any user location.
- Press WRITE again and the patch will be saved.

# Programming the Crunch (EDIT Mode)

- 1) Press EDIT, use pedal 2 to turn the OD/DS on.
- 2) PARAMETER left/right to select 2: OD/DS.
- 3) VALUE up/down to TYPE and try them.
- 4) PARAMETER up/down to select other OD/DS parameters including DRIVE, TREBLE, BASS & LEVEL and set them to your liking.
- 5) ORDER swaps position of EQ and OD/DS.

### • The Noise Suppressor (EDIT Mode)

- PARAMETER to select MASTER.
- 2) PARAMETER down to NS Threshold and use VALUE up till the noise disappears.

### • The Harmonist (EDIT Mode)

- 1) PARAMETER to 4:HARMONIST. Press pedal 4 to activate it.
- PARAMETER up/down to type and select [Hr].
- PARAMETER down to KEY, VALUE to one you are comfortable with.
- 4) To set the two intervals, PARAMETER up to PITCH and VALUE up or down for two octaves. (Use PARAMETER left/right to select between PITCH 1 & 2. Selection will be indicated with the LED at the top of the row).
- 5) Turn the OD/DS effect on/off to check out the HARMONIST with clean and crunch settings.
- 6) Press pedal 4 to turn the HARMONIST off.

# • Bells, Whistles & Real Time Effects

Programming unique effects and real time control to the controller CTR pedal:

- 1) PARAMETER left/right to select MASTER.
- 2) PARAMETER to ASSIGN (CTR). VALUE to [2-1] FEEDBACKER.
- 3) Try effect- play a note and step on the pedal.
- 4) VALUE to [2-3] RING MODULATOR, [2-4] INTELLIGENT R.M., & [3] SLOW ATTACK. Try these unique effects with the guitar.
- 5) VALUE to [5-1] ARM DOWN 1. Experiment with the pressure sensitivity of the CTR pedal.
- 6) CTR pedal can do the same TEMPO function as the TEMPO foot switch plugged in back.
- 7) CTR pedal can do REMOTE effects on/off.



# BASS MULTIPLE EFFECTS



#### ••• BOSS ME-8B TURBO FACTS •••

The ME-8B is a tough floor type multiple effects unit offering the extra expressiveness bassists need.

Maintaining the operational ease of the ME series, the ME-8B is powerful enough to accommodate the sonic requirements of any bass player, easily and affordably.

# Initializing the ME-8B

- 1) Turn power off.
- 2) Press/hold CURSOR DOWN & LEFT buttons.
- 3) Turn power on.
- 4) Press WRITE.

# Calling Up Patches

The ME-8B has 64 patches; four groups each with four banks of four patches. Group 1 & 2 are user, 3 & 4 are presets. Here is how you call up the patches:

- 1) Press the GROUP button.
- 2) Pressing a numbered pedal selects the GROUP.
- 3) Press the BANK foot switch.
- 4) Pressing a numbered pedals selects the BANK.
- 5) Pressing a numbered pedals selects the patch.

#### The Tuner

- 1) Press the TUNER button or an FS-5U connected to the TUNER REMOTE input.
- 2) Play a note, the letter will appear in the display.
- 3) Tune value will show up on the LED's.
- 4) Activating the tuner also mutes the sound.

#### Manual Mode

Like having BOSS pedals on the floor. There is one additional memory for manual mode.

- Press the MANUAL button or an FS-5U connected to the MANUAL REMOTE input.
- 2) Effects can be turned on/off with the pedals.

### Patch Editing

Parameters are a matrix directly below effect type. Four PARAMETER buttons select the parameters. The LED on the right shows where you are. VALUE up and down buttons change the value of the parameter and foot pedals turn effects on/off.

- 1) Select patch 1-1-1. Press the EDIT button.
- 2) Use the foot switches to turn effects on or off.
- 3) PARAMETER to select the MASTER effects.
- 4) Use the VALUE buttons to modify the Level.

# Writing A Patch Into Memory

There are 64 patch location (plus one manual mode patch). The first 32 are user programmable.

- 1) Make desired modification, then press WRITE.
- 2) You can write this patch into any user location.
- 3) Press WRITE again and the patch will be saved.

#### The Defretter (EDIT Mode)

- Press EDIT, use the PARAMETER left/right to select DEFRETTER.
- VALUE up/down to select TYPE [dF].
- 3) PARAMETER up/down to select ATTACK, SENS, DEPTH & LEVEL set them to your liking

# The Synth Bass (EDIT Mode)

- 1) PARAMETER to 4: SYNTH BASS. Turn on with pedal 4.
- PARAMETER to WAVE and try the different waveforms. (There are eight Synth Bass waveforms. The ninth selection is Touch Wah.)
- PARAMETER to select LEVEL and Direct LEVEL and VALUE to set a balance between the normal and synth bass sounds.
- 4) There are eight parameters for programming SYNTH BASS. PARAMETER up/down and left/right buttons to select them, and VALUE to set them to your liking.
- 5) Press pedal 4 to turn the SYNTH BASS off

# • Tap Tempo Modulation (EDIT Mode)

Program a patch using the Hi Band Flanger effect set to respond to the TEMPO foot switch:

- 1) PARAMETER to BANK: FLANGER. Press the BANK pedal to activate it.
- 2) PARAMETER to MODE and VALUE to [HFL].
- 3) PARAMETER to RATE and VALUE to [t-1].
- 4) PARAMETER to DEPTH and VALUE to [30].
- 5) PARAMETER to RESO and VALUE to [-90].
- 5) To set the rate, tap four times on the FS-5U foot switch, connected to the TEMPO In.
- Turn the OD/DS effect on and off to check out the FLANGER with clean and crunch settings.
- 8) Press BANK pedal to turn the FLANGER off.

# • Bells, Whistles & Real Time Effects

Programming effects and control to the CTR pedal:

- 1) PARAMETER left/right to select MASTER.
- 2) PARAMETER to ASSIGN (CTR). VALUE to[1] PEDAL WAH.
- 3) Try this unique effect by playing a note and stepping on the pedal. Experiment with the pressure sensitivity of the CTR pedal.
- 4) VALUE to [2-1] RING MODULATOR, [2-2] INTELLIGENT R.M., & [3] SLOW ATTACK. Try these unique effects with the bass.
- 5) VALUE to [5-1] ARM DOWN 1. Experiment with the pressure sensitivity of the CTR pedal.
- 6) The CTR pedal can be set to SYNTH HOLD. Turn the SYNTH BASS on and try this.
- 7) CTR pedal can do the same TEMPO function as the TEMPO foot switch plugged in back.
- 8) CTR pedal can do REMOTE effects on/off.







#### ··· BOSS ME-10 TURBO FACTS ···

The ME-10 is a fully integrated guitar effects processor in a user-friendly floor-pedal configuration. It features analog overdrive and 14 other effects — nine of which can be used simultaneously. The ME-10 has 128 memory locations, a built-in tuner and is fully MIDI compatible.

# Initializing

- 1) Turn power off.
- 2) Press and hold the BANK DOWN pedal.
- 3) Turn power on.
- 4) Press WRITE.

### Demo Patches

Like many other Roland and BOSS products the ME-10 uses the Group/Bank/Number G-B-N counting system. Here is the procedure for calling up Patches:

- 1) Press the GROUP button and the Group number will change from 1 through 4.
- 2) Use the BANK UP and DOWN pedals and the bank number will change from 1 through 8.
- 3) Use the 1, 2, 3 or 4 pedals to call up the appropriate number.

Call up the following set of Patches to demonstrate the versatility of the ME-10:

- 1) Select G-1, B-1, N-1 for a Monster Stack.
- 2) Select G-1, B-2, N-3 for Processed Metal.
- 3) Select G-1, B-3, N-2 for a Phunky Phaser.
- 4) Select G-1, B-4, N-4 for a Pitch Echo Effect.
- 5) Select G-2, B-1, N-4 for Flanging Metal.

# Using the Tuner

The tuner is fully chromatic and can mute the output while tuning. An optional BOSS FS-5U footswitch can also engage the tuner.

- 1) Press TUNER button.
- 2) Play each string and tune. Center LED is in tune.

# Turning Effects On and Off

- 1) Select G-1, B-1, N-1.
- 2) Turn the Chorus on and off by pressing the STEREO CHORUS button.
- Do the same thing with several other effects like the DELAY, FLANGER and DISTORTION/OVERDRIVE.

# Editing Sounds

# Distortion/Overdrive:

- 1) Choose patch 1-1 (group 1).
- 2) Press MODE under distortion/overdrive.
- 3) Use the shuttle dial to hear the four modes as follows:
- OD 1-Mild overdrive such as a BOSS OD-1.
- OD 2-High gain overdrive like a BOSS OD-2.
- DS 1-Distortion like a MT-2 Metal Zone.
- DS 2-Distortion with a mid boost like a BOSS DS-2.

#### Delay:

- 1) Press DELAY button to turn it on.
- 2) Press DELAY TIME to alter time.
- 3) Set to 600 milliseconds with shuttle dial.
- 4) Adjust FEEDBACK (6) and EFFECT LEVEL (14).

#### Chorus:

- 1) Press STEREO CHORUS button to turn it on.
- 2) Press EFFECT LEVEL under stereo chorus.
- 3) Set to 40 with shuttle dial.
- 4) Press RATE and adjust chorus rate with shuttle dial.
- 5) Press DEPTH and adjust chorus depth with shuttle dial.

# Writing Patches into Memory

Once you edit a sound, you can write it into any of the 128 memory locations. Lets write the edited patch into a new location:

- 1) Press WRITE.
- 2) Choose G-1, B-1, N-4 by pressing footpedal #4. (If you wanted a different Bank, simply press the Bank up/down footswitches).
- 3) Press WRITE again.

# • Real-Time effects parameter control

With a expression pedal, you can assign a effects parameter to be controlled in real-time per each patch. You can use a EV-5, EV-10, or FV-300L connected to the expression pedal 1 input on the back of the ME-10. Parameters such as reverb level, delay time, chorus rate/depth, pitch shift tuning (whammy bar effect), and wah wah are assignable to an expression pedal.

Chorus depth and other parameters:

- 1) Choose patch 1-2.
- 2) Press ASSIGN.
- 3) Rotate the shuttle dial up until the light resides on the DEPTH (stereo chorus) button.
- 4) Press MIN.





#### ••• BOSS SX-700 TURBO FACTS •••

The SX-700 Studio Signal Processor offers high quality spatial effects like reverb, delay and chorus along with revolutionary new effects like the Harmonist intelligent pitch shifter, and Roland Sound Space (RSS), a signal processing technology that uses phase cancellation and EQ to create the illusion of 3D sound using a 2D stereo field. The SX-700 is ideal for project and pro studios, as well as the concert stage.

# Auditioning Patches

The SX-700 has 128 user programmable Patches in memory locations 1 to 128, and 128 preset patches from 129 to 256. To scroll through patches one at a time, simply rotate the NUMBER knob. Pressing the NUMBER knob in while rotating it will change patches in increments of 10. To load the selected patch, press the NUMBER knob in.

### Effects On/Off & Editing Parameters

- 1) Press one of the five dedicated effects buttons of your choice to access the parameters.
- 3) Pressing the button again toggles effect on/off.
- 4) The PARAMETER buttons scroll through the parameters in the selected effect.
- 5) The VALUE knob changes the selected effects setting in single increments. Press and rotate VALUE knob to change in increment of 10.

# Selection Algorithms

There are a series of 19 algorithms that determine the configuration (not order) of the five effects. Type A algorithms have extra Delay effects and one extra RSS effect. Type B algorithms have several powerful modulation effect. Algorithm C combines a powerful pitch shifter with delay.

- 1) Press COMMON
- 2) Use the VALUE dial to select an algorithm.

### • The Order Of Effects

The effects can be set in a user programmable order.

- 1) Press COMMON.
- 2) PARAMETER right once and use VALUE to select the effect for the first unit.
- Repeat this procedure to select the effect for each of the five units.

# Dry/Wet Balance & Level

A wet/dry mix is programmed per effect per patch.

- 1) Press LEVEL.
- 2) PARAMETER right to access the balance parameters for each effect type.

#### The Harmonist

- 1) Select one of the B algorithms.
- Press MOD until the effect is on.
- PARAMETER right one time to [Type] and VALUE to [Duck].
- 4) PARAMETER to [Scale] & [Key] and select one.
- PARAMETER to [Interval 1], VALUE to [+3rd]. Play a scales in your selected key. The pitch shifted interval will follow the key.

# The Ducking Delay

- 1) Select one of the A algorithms.
- 2) Press DELAY until the effect is on.
- PARAMETER right many times ducking mode [DckMd] and VALUE it On.
- 4) The delay will duck out of the way while you play.
- 5) PARAMETER to ducking sensitivity and ducking rise time and experiment.
- 6) REVERB Room 1 also features ducking & gate.

# RSS - Roland Sound Space

The 3D Panner is a very obvious effect. Try it:

- 1) RSS is available in all algorithms.
- 2) Press RSS until the effect is on.
- 3) PARAMETER right one time to [RsType] and VALUE to [Paner].
- PARAMETER through the remaining options and experiment.

#### Real Time Control Assign

With an FC-200 MIDI Foot Controller, and/or an expression pedal and foot switch plugged into back, it's possible to control up to three parameters in real time. (The FC-200's Expression and Controller foot switch transmit MIDI CTL# 7 and 80).

- 1) Press COMMON and PARAMETER right to C1 Trigger and select a parameter to control.
- PARAMETER right to [MIN] and [MAX] and change them if you want.
- 3) PARAMETER right to [C1Source] and VALUE through the options. Select one and try it.

### Naming The Patch

- 1) Press NAME.
- Use VALUE to select letters and PARAMETER to move the cursor left and right. Press VALUE to toggle between CAPITOL and small letters.

# Writing The Patch

Once you have edited a sound you can write it into any of the 128 user memory locations.

- 1) Press WRITE, The PATCH number will flash.
- 2) VALUE to select a different location (optional).
- 3) Press WRITE again.





#### \*\*\* ROLAND VG-8 TURBO FACTS \*\*\*

The VG-8 V-Guitar begins a new era in guitar technology, placing the guitar entirely within the digital domain using COSM, Roland's proprietary Composite Object Sound Modeling. The VG-8's COSM technology can generate a vast array of sounds by simultaneously performing physical, electric, magnetic and electronic modeling, shaping the guitar's own signal in one of two modes: Variable Guitar Modeling (VMG) or Harmonic Restructure Modeling (HRM). VGM allows selection of: body type; pickup selection, placement, angle, and pickup phase; amp type; speaker cabinet; microphone type and placement, and more. HRM shapes expressive new sounds including basses, pads and more. Both VGM and HRM shape each guitar string's original waveform in realtime, resulting in no delay, no tracking, and amazing expressiveness. Built-in effects include polyphonic pitch shifting, models of five BOSS effects, speaker simulation, DSP, EQ, and more. Easy programming through graphic backlit LCD interface. Requires a guitar equipped with a Roland GK-2A divided

After installing the GK-2A pickup according to the instructions that came with the pickup, set-up the Driver Settings shown on page 15 of the VG-8 Owners Manual.

# Setting the GK-2A Pickup Sensitivity

Sensitivity should be set once for each guitar & player combination. These may be saved in 5 memory locations.

- 1) Press the SYSTEM button.
- 2) Press F1 (Function button 1).
- 3) Play each string to activate its level meter. CURSOR to the string number and use VALUE dial to adjust the sensitivity. Set all six string sensitivity settings.
- 4) Press PLAY to return to play mode.

# Tuning

1) Press PLAY, then F1 to access the built-in tuner.

# Playing patches

There are up to 192 patches; 64 user, 64 preset, 64 on an optional M-512 memory card. Press PLAY, then...

- 1) The easiest way to call up patches is the VALUE dial. or -
- 2a) To change groups, hold GK-2A button S1 and press the VG-8's GROUP t &s footswitches.
- 2b) To change banks, use the BANK t & s footswitches.
- 2c) To change numbers, use footswitches 1 to 4.

# Variable Guitar Modeling (VGM)

Four VGM algorithms are available: Amp Mono, Amp Poly, Pedal & Amp, and Pedal St(ereo). The algorithm is shown at the top of the LCD. Nine VGM components are used in different combinations in different algorithms: Pickup (selection, placement, and angle), Amp (selection, tone & volume controls), Speaker (cabinet selection), Mic (selection and placement), Pedal (models of five different BOSS pedals), Poly Manager (polyphonic amp and pedal distortion), Pan (per string), Pitch Shift (per string), and Noise Suppression.

Preset A53 "JazzlTup" is a good starting point for experimenting:

- 1) Press Play, select Preset A53 "JazzlTup".
- 2) Press INST to begin Instrument Editing.
- 3a) Select F1 to edit the pickup settings.
- 3b) Preset A53 uses a 'vari' model with two pickups press PAGE to select pickup type, position, angle, and phase. Press PAGE again to select the other pickup. NOTE the helpful graphics in the LCD.
- 4a) Press Instrument, then F6 to edit Speaker&Mic.
- 4b) Select a speaker type press F1 repeatedly or press F1 and use the value dial.
- 4c) Press F3 and select a mic type note the graphic.
- 4d) Press F5 and select mic placement watch the graphic.
- 5) Press INST to return to the edit menu and continue experimenting. Watch for a lit PAGE LED, then press the PAGE button to see all edit options.

#### Harmonic Restructure Modeling (HRM)

All thirteen HRM algorithms are shown in Patch Presets A54 through A84 - the algorithm is shown at the top of the LCD. Try them all, and select one to experiment with:

- 1) Press INST, then F1 to edit parameters.
- 2) Using the F buttons and the value dial, experiment with this algorithm. Parameters differ somewhat per algorithm. If the PAGE LED is lit, the PAGE button will select additional edit functions.
- 3) Repeat steps 1 & 2 with different HRM algorithms.

# Digital Signal Processing

All VGM and HRM patches can also access 3 categories of digital effects: 7 Modulation effects, 3 Delay modes, and 9 Reverb modes. Press the EFFECT button, then the odd numbered F buttons edit effects while the even numbered F buttons switch effects on/off.





# ••• ROLAND VG8S-1 TURBO FACTS •••

VG-B SYSTEM EXPANSION

Roland has substantially expanded the V-Guitar System taking COSM technology to even greater heights with the new VG8S-1 System Expansion. Here is what's new:

- Four new algorithms plus feature enhancements of the originals.
- HOLLOW algorithm emulates characteristics of acoustic and hollow body guitars.
- DUAL AMP algorithm to layer or morph between two chains of pedals, amps and speaker cabinets with a foot pedal.
- VIO GUITAR algorithm combines VGM and HRM.
- Rick, Tele, LP w/P-90's, Silvertone w/Lipstick's, LP w/PAF's, Gretch, and Strat w/S-S-H active EMG Pickup Models.
- Flat, Round, f-Hole, Metal (for dobro) and Banjo Guitar Body models.
- SLDN, British Combo and Modern Stack Guitar Amplifier Models.
- British 2x12, Classic 4x10, and Modern Stack Speaker Models.
- Assignable wah wah pedal, pitch pedal, HRM Cutoff, and other realtime controllers.
- · Intelligent harmonist.
- Change guitar pickups with S1 and S2 on the GK-2A.

#### Installation

It is important to save your Patches because this procedure will erase the User memory of the VG-8.

- 1) Turn the power off.
- 2) Insert the VG8S-1 card and turn the power on.
- 3) Press F1 to complete the expansion.

Now use the following procedure to reinitialize the VG-8 to factory settings.

- Turn off the VG-8.
- 2) While holding down F1, F3, and F5 turn on the VG-8.
- 3) Press F6.

### Selecting the New Patches

An expanded VG-8 has an extra 64 preset Patches. Turn the VALUE dial to select the new Presets in banks C and d.

### Selecting Presets that use the New Algorithms

Algorithm names are listed on the top row of the display screen.

Presets C11 to C44 - HOLLOW algorithms Presets C51 to C64 - DUAL AMP algorithms Presets d51 to 53,

61,63,73 and 74 - VIO-GUITAR

# Selecting the New Bodies

- 1) Press PLAY and use the VALUE dial to select Patch C62 MOD BLUZ.
- 2) Press INST followed by F1 (under the pickup graphic).
- 3) Press F6 and use the VALUE dial to select the new guitar models.

# Selecting the New Acoustic Piezo Pickups

- 1) From the PICKUP screen, press F6 and use the VALUE dial to select VARI.
- 2) Press PAGE to access the second page.
- Press F1 and use the VALUE dial to select a pickup type (options are Single, Double, Piezo, or Acoustic Piezo).

# Selecting the New Guitar Amplifiers

- 1) Press PLAY and use the VALUE dial to select Patch C62 MOD BLUZ.
- Press INST followed by F3 to select AMP.
- 3) Press F2 and use the VALUE dial to select the different amps.

# Selecting the New Speaker Variations

- 1) Press PLAY and use the VALUE dial to select Patch C62 MOD BLUZ.
- 2) Press INST followed by F4 to select SP&MIC.
- 3) Press F1 and use the VALUE dial to select the different speaker types.

# Selecting the New Hollow Body Guitar Models

- 1) Press PLAY and use the VALUE dial to select Patch C11 ACUSTIC.
- 2) Press INST followed by F3 (under the BODY graphic).
- 3) Press PAGE two times to access BODY-TYPE.
- 4) Press F2 and use the VALUE dial to select the different hollow body guitar types.
- 5) After choosing one of the body types, press F6 and use the VALUE dial to change the body size.

# • Expanded Pitch Shifting Capabilities

New pitch shifting effects include intelligent harmonist, pitch pedal, and glide. Also, the pitch shifter is now available on all HRM algorithms.

- From any Patch, press INST and use the cursor buttons to select P-SHIFT.
- 2) Cursor to type and use the VALUE dial to select String.
- 3) Press F2 and use the VALUE dial to select one of the 11 preset tuning configurations.
- 4) Press F1 and use the VALUE dial to select Harmo.
- 5) Press F2 and use the VALUE dial to select +3<sup>rd</sup>.
- 6) Press F3 and use the VALUE dial to select the desired key.

Use the following procedure to set an expression pedal to control pitch:

- Connect an EV-5 Expression Pedal to the EXP PEDAL input.
- 2) Press COMMON followed by F2.
- 3) Use the VALUE dial to select P-SHIFT Shift (under Assigned Parameter).
- 4) Press INST followed by F2 (under the P-SHIFT graphic).
- 5) Cursor to TYPE and use the VALUE dial to select Pedal.
- 6) Press F2 and use the VALUE dial to select Octave Up.
- 7) Press PLAY and play your guitar. You can now use the EV-5 to slide up to an octave above the original pitch.



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