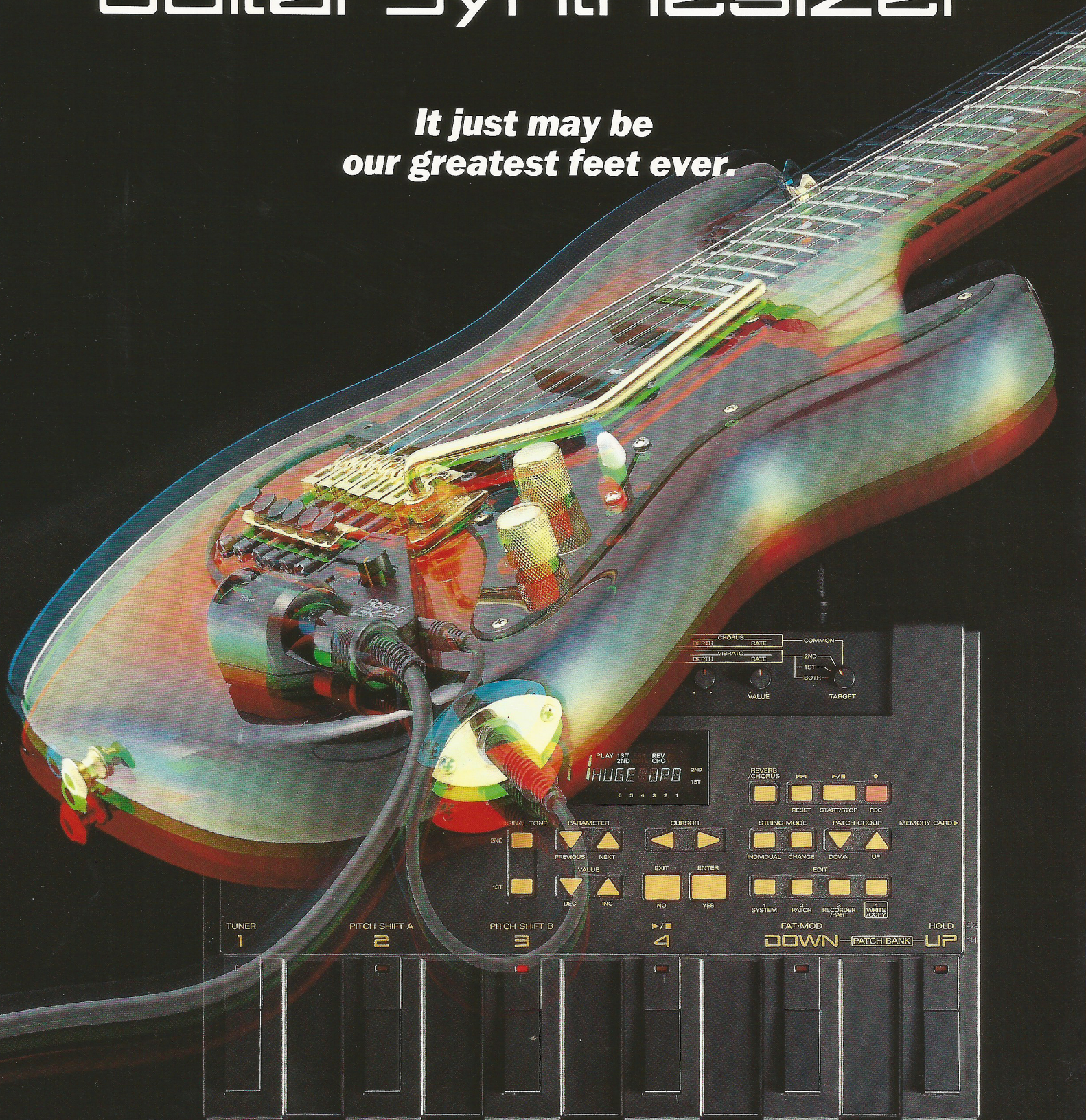


GFR-1

Guitar Synthesizer

*It just may be
our greatest feat ever.*



Let your guitar take you places you've only c

Turn your favorite guitar into a guitar synthesizer.

Just mount the Roland GK-2 Synthesizer Driver (sold separately) onto your own guitar, connect the GK-2 to the GR-1 Guitar Synthesizer and you're ready to play. The GK-2 easily fits most steel-stringed electric or acoustic guitars so you can use almost any guitar you want. Whatever your playing style, the GR-1 complements it perfectly.

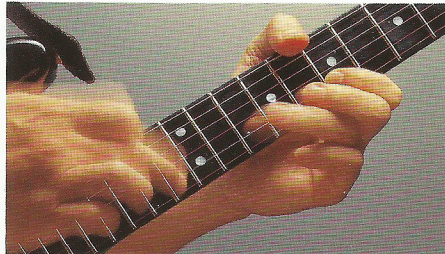
Simple system configuration and easy set-up.

The compact and lightweight GR-1 connects to your amp just like an effects unit, and it's just as easy to set up. The GR-1 features built-in foot-switches for controlling parameters and changing sounds, and its MIDI In/Out ports let you connect directly to additional sound sources, effects units or other MIDI equipment.

Lightning fast response with conventional guitar playing techniques.

The GR-1 converts your guitar signal digitally for exceptionally quick and accurate response. With

the newly developed pitch/envelope detection circuit, you can use traditional guitar techniques like hammer-ons, pull-offs and string bends naturally, and you won't feel like you're limited by a synth.



Sound source at the cutting edge of digital technology.

The GR-1 features Roland's latest digital sound source, already made famous in keyboards and sound modules such as the JV-30/80 Multi Timbral Synthesizer and the SC-155 Sound Canvas. Sounds are produced by processing high-quality PCM waveforms through advanced digital synthesis techniques such as a high-performance TVF (Time Variant Filter). This new sound source offers 200 superb-sounding preset Tones that were created by guitarists especially with guitar synthesizer applications in mind. The preset Tones cover everything from realistic acoustic instruments like pianos and brass to rich, full-bodied synth textures that are unique to the GR-1. Many multisamples are included so you get accurate sound over the entire pitch range. Velocity mixing allows for natural dynamic changes. Put all this together and you have incredible expressivity. There's also a built-in drum set for use with the GR-1's multitimbral mode. The GR-1's 24-voice polyphony is enough to handle nearly any application you have in mind.

Distinctive guitar synthesizer playing techniques.

The GK-2/GR-1 combination lets you enhance your performance with guitar synth techniques. For example, you can play chords and bass lines simultaneously by assigning an organ sound to the 1st through 4th strings and acoustic bass to the 5th and 6th strings. To get thicker sound textures, sounds like piano and strings can be

layered. For other Tones like sax and trumpet, pitch transpositions such as fifths can easily be set. Using Velocity switching, you can alternate between the two different Tones through picking strength. Or set the Velocity mix so you can add another Tone by picking harder. These features and many others give you natural dynamic control of your music.

Expand memory when you need more sounds.

An optional wave expansion board (SR-GR1-01) with 200 additional Tones can be added to the GR-1 to increase the available Tones to 400. That's equal to 12MB in a 16-bit linear format. An optional Patch Card containing a variety of Patches is also available.

Comprehensive onboard effects.

The GR-1 features high-quality onboard digital effects including eight reverb/delay modes and eight chorus modes. These are pro-quality digital effects, so you can produce pro synth sounds without external effects processing.

Reverb/Delay	Chorus
Room 1	Chorus 1
Room 2	Chorus 2
Room 3	Chorus 3
Hall 1	Chorus 4
Hall 2	Feedback Chorus
Plate	Flanger
Delay	Short Delay 1
Panning Delay	Short Delay 2

Enter the MIDI world with the GR-1.

It's easier getting into MIDI with a familiar instrument. You can use the GR-1 as a guitar-to-MIDI interface that transmits your guitar performance data as MIDI signals to control external sound sources such as samplers and sound modules. Use the GR-1 to also input music data onto a digital sequencer like the Roland MC-50 Micro Composer or a personal computer with sequencing software. You can also use the GR-1 as a MIDI foot controller to transmit Program Change and

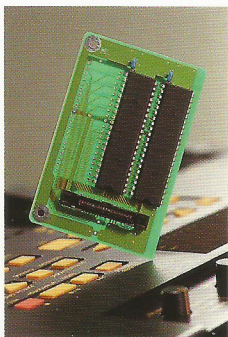


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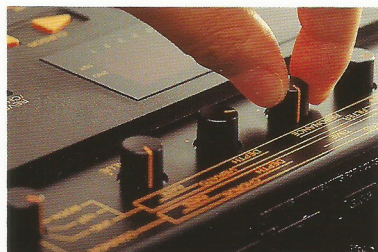


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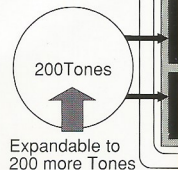
The sensitivity of the GK-2's divided pickup can be adjusted for each string individually on the GR-1's front panel.



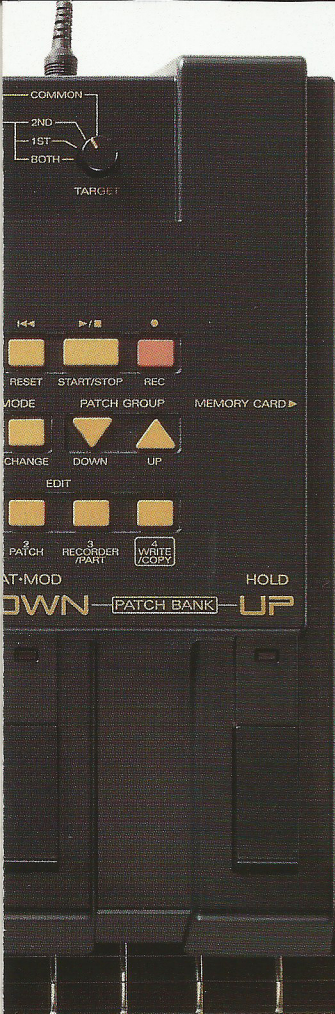
An optional wave expansion board (SR-GR1-01) with 200 additional Tones can be added to the GR-1 to increase the available Tones to 400.



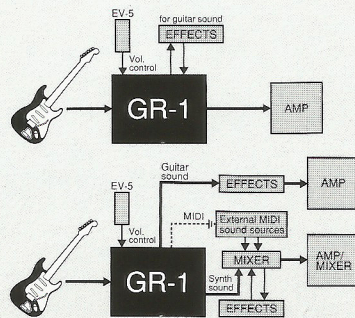
Realtime editing of a sound is easy and familiar using the seven knobs in the Macro Edit section.



Pat

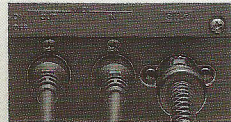


Control Change messages to other synthesizers, sound modules or MIDI effects devices.



Multitimbral capability gets the most out of MIDI applications.

Along with its dedicated guitar part, the GR-1 is also a four-part multitimbral sound module. Using the sequencer, you can play three different instruments and a drum set simultaneously. This allows you to perform complete songs without using additional sound sources.



can stay where they belong, on your guitar.

If you use effects, you're ready to add the GR-1 to your onstage setup.

Realtime editing of a sound is easy and familiar using the seven knobs in the Macro Edit section. Change the attack, sustain, vibrato and other parameters to customize sounds, and set reverb and chorus depth to your preference. For more control, you can specify complex settings for each string — as easily as using an effects unit.

In addition to selecting Patches, the GR-1's footswitches allow you to control Hold, Recording Start/Stop, Modulation, and the Tuner. And though both your hands are occupied when you play, you can use the GK-2's switches and knobs to set master volume level and select foot-switch mode.

The rear panel sports external pedal jacks for a volume pedal and an assignable pedal. You can assign a pedal to control internal synth parameters such as TVF cutoff or balance between two tones in realtime during performance. The large fluorescent indicator is easily visible on a dark stage, so you can control your performance with confidence.

Flexibility a guitarist needs.

The GR-1 gives you several options for mixing your guitar signal with the internal sounds. For a simple single amp setup, you can mix your direct sound with the synthesized sound and route the mixed signal from the GR-1's main output to the amp. For processing only the direct guitar sound with distortion or other effects, use the Guitar Output and Return jacks on the GR-1's rear panel.

You can run your guitar in stereo by routing the guitar output into a stereo effects processor and routing its stereo outputs back into the GR-1's Stereo Return jacks. Both the stereo processed guitar and GR-1 synth sound will be sent to the GR-1's mixed outputs.

If you're recording, you can run the synthesizer sound directly into the mixing console while your guitar signal goes out of the Guitar Output jack, through your effects units and into your guitar amp. The GR-1 also has a headphone jack for monitoring your sound and practicing.

Multi-track recorder keeps track of musical ideals.

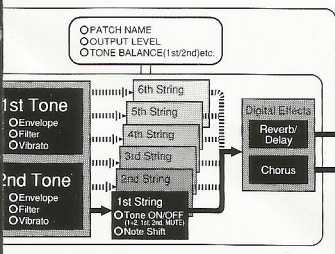
The GR-1 has a four-track digital recorder that takes advantage of the GR-1's multitimbral abilities. Controls are similar to those of a tape recorder so song data is easy to input, even the drum part. With just your guitar and the GR-1, you can assemble complete rhythm sections and ensembles.



The recorder makes it easy to put down musical ideas that you can use to create songs later. In performance, the GR-1 can play intros and endings. Playback start/stop can be controlled with the GR-1's footswitches, so your hands

GR-1 Synthesizer

h Structure



- You can select two Tones from the 200 available Tones, and assign four modes—the 1st Tone alone, 2nd Tone alone, 1st and 2nd Tones, and mute individually for each string (1st to 6th). You can also edit any Tone independently by changing envelope (attack/decay/release), filter (cutoff/resonance) and vibrato (rate/depth) parameters.
- For the two Tones you've selected, you can set reverb and chorus effects on or off, volume balance, detune, stereo panning and vibrato rate change. You can set the note shift for each string individually as well.
- The GR-1 stores 64 customized Patches along with parameter settings in memory, and an optional M-256E memory card will hold another 64.



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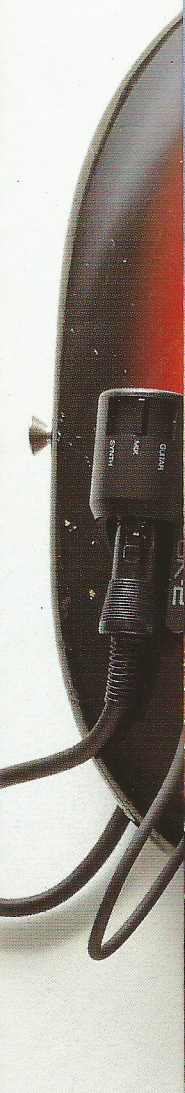
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A breakthrough for you and your guitar.

Now is the time for guitarists to try something new. Roland's GR-1 Guitar Synthesizer gives every guitarist the power to command an entire arsenal of sounds and MIDI equipment with something they know and love — their favorite guitar. The GR-1 puts Roland's latest synthesis technology in a remarkably simple pedal unit that has been designed from top to bottom with guitarists in mind.

It's about time.

The GR-1 Guitar Synthesizer is a self-contained floor unit that is as easy to setup and use as an effects pedal. You can hook up your favorite guitar to the GR-1 with the GK-2 Guitar Driver, and a new world synthesis will open up for you. All of the GR-1's functions have been designed for the needs of guitarists, from sound editing to effects to the on-board 4-track sequencer.

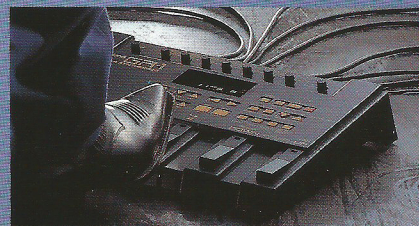


The promise fulfilled.

Affordable and easy to use, the GR-1 brings the world of synthesis and MIDI to any guitarist. It features Roland's latest digital technology and an amazing number of sounds. With the GR-1's multitimbral capability and sequencer, you can access a whole new array of sounds right from your guitar.

A great new relationship.

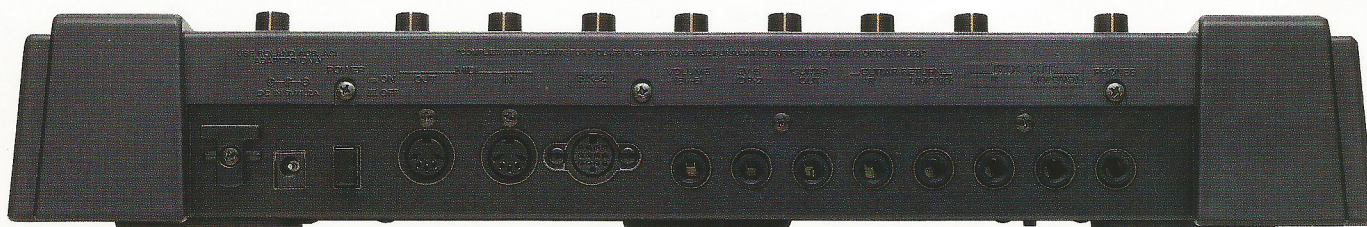
The relationship between your guitar and the world of synthesis will never be the same. With the GR-1 you can create sounds that were once accessible only from a keyboard, and you can do it without altering your playing style. The possibilities for getting new sounds for performing and composing are limitless with the GR-1.



GR-1

Guitar Synthesizer

The sensitivity of the divided pickup can be adjusted for each string individually on the GR-1's from



GR-1 Internal Original Tone List

PIANO	33	FEEDBCK2	68	OCTJPSTR	102	SYN BRS3	135	VIBE + FLT	170	DIGI BOW
00 A PIANO1	34	ONLYFDBK	69	JP STR 2	103	BRS BLST	136	OTHERWIND	171	DIGI VOX
01 A PIANO2	35	PDLSTEEL	70	HYBDSTR1	104	RICH BRS	137	OCARINA	172	SOUNDRK
02 HONKYTNK	36	BANJO	71	HYBDSTR2	105	BRASS (SOLO)	138	CALLIOPE	173	BOWEDGLS
03 E PIANO1	37	E SITAR1	72	HYBDSTR3	106	TRUMPET1	139	BTL BLOW	174	HEAVEN
04 E PIANO2	38	E SITAR2	73	STRINGS (SOLO)	107	TROMBONE	140	BLOWPIPE	175	AMBIENCE
05 E GRAND	39	BASS	74	VIOLIN	108	TUBA	141	HRMONICA	176	SYNTH-BELL
06 POP EPNO	40	ACOUBS1	75	CELLO	109	BRITE TP	142	WHISTLE	177	FANTA BL
07 RHODES 1	41	ACOUBS2	76	CNTRA BS	110	MUTE TP	143	SYNTHESIZER	178	TINKBELL
08 OVERTONE	42	E BASS 1	77	FIDDLE	111	ALTO + TP	144	GR300 1	179	SYN BELL
09 APNO + VIB	43	PICK BS1	78	WIRESRG	112	TP + TRBN	145	PLN LEAD	180	SPRK BELL
10 AC P + VOX	44	PICK BS2	79	HARP	113	TRBN + SAX	146	POLY SYN	181	FANTASIA
11 CLAV 1	45	PICK BS3	80	SYN HARP	114	HORN	147	TWEETY	182	FANTAPAD
12 CLAV 2	46	PICK BS4	81	VOICE	115	FRENCH HN	148	SOFT PAD	183	PERCUSSION
CHROMATIC PERCUSSION	47	SLAP BS1	82	SYN VOX1	116	FLUGEL	149	METALPAD	184	STEELDRM
13 VIBES 1	48	SLAP BS2	83	SYN VOX2	117	DTUN HRN	150	SQRLEAD1	185	SIDE STK
14 VIBES 2	49	DTUNSLAP	84	DBL VOX	118	VELO HRN	151	SYNLEAD1	186	HANDCLAP
15 MARIMBA	50	FRTLESS1	85	VOXLEAD1	119	DUAL HRN	152	SYNLEAD2	187	TIGHT SN
ORGAN	51	FRTLESS2	86	HAUNTVOX	120	PULSEHRN	153	SYNLEAD3	188	TOM
16 ORGAN 1	52	MINI BS1	87	CHIFFPAD	121	SYN HRN1	154	SYNLEAD4	189	CLOSEHAT
17 ORGAN 2	53	MINI BS2	88	BREATH	122	BRTH HRN	155	SYNLEAD5	190	OPEN HAT
18 ROCK ORG	54	OCT BS1	89	WIND VOX	123	FLGL + TP	156	5TH LEAD	191	RIDE CYM
19 JAZZORG1	55	OCT BS2	90	INVRSON	124	FLGL + FLT	157	SAW LEAD	192	COWBELL
20 JAZZORG2	56	RESOBASS	91	SYN HARM	125	SAX	158	SAW PAD	193	KICK 1
21 CHEESO	57	PDLBASS	92	ECHO VOX	126	ALTOSAX1	159	PULSEPAD	194	CRSH CYM
22 PIPE ORG	58	DLY BASS	93	SCAT VOX	127	TENORSAX	160	TECHNO	195	SYNTOMS
GUITAR	59	BS + DRUMS	94	DLY SCAT	128	SOP SAX	161	OMINOUS	196	KIK + SNAR
23 STEELGT1	60	STRINGS (ENSEMBLE)	95	NYLNSCAT	129	ALTGRWL	162	HARP PAD	197	EFFECTS
24 NYLN GTR	61	STRINGS1	96	PLUK-DOO	130	TENRGRWL	163	INVISIBL	198	GUNSHOT
25 12ST GTR	62	SLW STRG	97	BRSS (ENSEMBLE)	131	ALTO + TNR	164	ATMSPHRE	199	TALKING
26 GTRHARM1	63	OCT STRG	98	BRS SEC1	132	WOODWIND	165	DIGIPLUK	200	MILENEUM
27 GTRHARM2	64	BOWDSTRG	99	BRS SEC2	133	PICCOLO	166	PLUKSWP1	201	SPACEVOX
28 DISTGTR1	65	TREN STR	100	BRS SEC3	134	FLUTE	167	PLUKSWP2	202	DROPBOMB
29 DISTGTR2	66	BRT STRG	101	OCT BRS	135	OBOE	168	SWEPPAD		
30 FUNK GTR	67	DRK STRG		BRS FALL	136	CLARINET	169	OCT PAD		
31 GTR LEAD		JP STR 1		SYN BRS1	137	CHIF FLT		HLLW PAD		
32 FEEDBCK1		JP PAD		SYN BRS2	138	MUTE + FLT		CHOIRPAD		

GR-1 Guitar Synthesizer Specifications

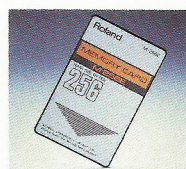
Sound Source	PCM with digital filtering
Maximum Polyphony	24 voices
Number of Multitimbral Parts	1 Guitar Part + 3 Parts + 1 Rhythm Part
Memory Capacity	
Patches	Internal Memory 64 Memory Card 64
Original Tones	Internal Memory 200 Expansion Board 200
Recorder	4-track recorder (for internal multitimbral sound sources) Internal Memory: 1 song/approx. 2,000 notes Memory Card : 1 song/approx. 2,000 notes Max. Length of Song: 999 measures (repeatable) J = 20 ~ 250
Song Data Storage Capacity	
Tempo	
Built-In Effects	Reverb/Delay, Chorus
Controls	
Footswitches	Number 1-4, Up, Down
Macro Edit Section	Target select, Value x 7, Volume
Switches/Buttons	Original Tone (1st, 2nd), Parameter (Next, Previous), Value (Inc, Dec), Cursor (<, >), Enter/Yes, Exit/No, Reverb/Chorus, Reset, Start/Stop, Rec, String Mode (Individual, Change), Patch Group (Up, Down), Edit (System, Patch, Recorder/Part, Writer/Copy)
Display	Custom Fluorescent Indicator
Connectors	Mix Out L (Mono)/R, Guitar Return L (Mono)/R, Guitar Out, Volume Pedal, Function Assignable Pedal, Phones, GK-2 In (13-pin type), MIDI IN/Out, AC Adaptor In, Memory Card Slot
Dimensions	426(W) x 290(D) x 70(H) mm (16-3/4" x 11-7/16" x 2-3/4")
Options	SR-GR1-01 Expansion Kit (incl. PN-GR1-01 Patch Card) C-13B GR Cable (10m) M-256E Memory Card EV-5 Expression Pedal FV-300L BOSS Foot Volume/Expression DP-2/6 Pedal Switch FS-5U BOSS Footswitch RH-20/80/120 Stereo Headphones

GK-2 Synthesizer Driver Specifications

Controls	Synth Volume
Switches/Buttons	DOWN/S1, UP/S2, Guitar/Mix/Synth select
Connectors	Guitar In, GK-2 Out (13-pin type)
Dimensions	80(W) x 77(D) x 34(H) mm (3-1/8" x 3-5/16" x 1-5/16")
Weight	70g (2.5 oz.)

*Specifications and appearances subject to change without notice.

OPTIONS



M-256E
Memory Card



FS-5U
BOSS Foot Switch



EV-5
Expression Pedal



FV-300L
BOSS Foot Volume/Expression



DP-2
Pedal Switch

SR-GR1-01 Expansion Kit
(incl. PN-GR1-01 Patch Card)
C-13B GR Cable (10m)



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