

GR-1

GATED REVERB

Step Into Tomorrow's Music

KORG



Dual Reverberators Plus a Gate Circuit. The Breakthrough that Lets You Attain Controlled Reverb Effects. Introducing Korg's GR-1 Gated Reverb.



At last there's one compact affordable component that gives you real control over the reverb sound contour and decay time. It's the Korg GR-1, the original gated twin reverb unit using high quality spring reverberators. Adjust one knob to control the threshold signal level at which the gate will open to output the reverb. Adjust another knob to control the reverb decay time.

For an even more custom tailored touch the GR-1 has a 3-band equalizer with bass, middle, and treble tone controls. Stereo reverb can be obtained whether you use one or both of the GR-1 inputs. And since there are two inputs it's much easier to hook up both channels of your stereo keyboard or other 2-channel signal source. Foot switch control means the GR-1 won't get in the way of your performance. On stage or in the recording studio you'll appreciate the sound and compact rack mountable (1U height) size of the Korg GR-1. For keyboards, drums, vocals, guitar, and total sound, Korg presents a valuable key to sonic evolution—GR-1 Gated Reverb.

GR-1 GATED REVERB



Front Panel

1 Input Section

- **HEADROOM Indicator:** Shows input level.
- **LEVEL control:** Adjusts input signal level.

2 Gate Section

- **GATE ON LED:** Confirms that the gate circuit is on.
- **GATE switch:** Turns the gate circuit on and off.
- **THRESHOLD LED:** Illuminates when the gate opens to output the reverb sound.
- **THRESHOLD level control:** Sets the level at which the gate opens to output the reverb sound.
- **DECAY TIME control:** Controls reverberation time.

3 Equalizer Section

- **BASS tone control:** Adjusts low-range (around 200Hz) of the reverb output.
- **MIDDLE tone control:** Adjusts mid-range (around 800Hz) of the reverb output.
- **TREBLE tone control:** Adjusts high-range (around 4kHz) of the reverb output.

4 Output Section

- **DIRECT level control:** Adjusts level of direct sound in output.
- **REVERB ON LED:** Illuminates when reverb is switched on

by foot switch.

- **REVERB level control:** Adjusts level of reverb sound in output.

5 Power Section

- **POWER ON LED:** Illuminates when power is on.
- **POWER switch:** A muting circuit operates to prevent transient switching noise for about three seconds after the power is turned on.

Rear Panel

1 Input mode switch

Selects mono or stereo input.

2 LEFT/MONO input jack

Used for left channel input if in stereo mode. Used for audio signal input in mono mode.

3 RIGHT input jack

Used for right channel input when in the stereo input mode.

4 ATTENUATOR switch

Set to +4dB for mixing consoles and other professional

studio and P.A. equipment. Set to -10dB for synthesizers and other electronic keyboards. Set to -35dB for microphones and other low-output equipment.

5 LEFT output jack

Provides a mix of the left channel reverb signal and the direct signal.

6 RIGHT output jack

Provides a mix of the right channel reverb signal and the direct signal.

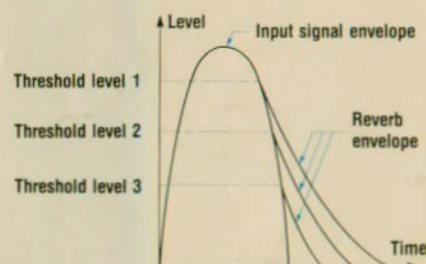


7 REVERB ON/OFF jack

For foot switch control of reverb on/off switching. Takes a foot switch like the PS-1 (a "momentary", normally open type that switches to ground when depressed).

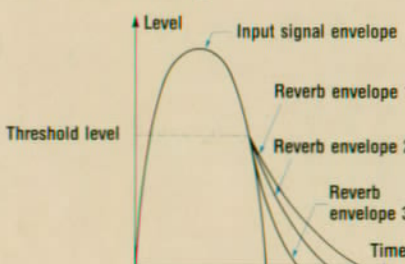
GATE SETTINGS

THRESHOLD level setting.



The threshold level is the minimum signal level that will cause the gate to open and allow the reverb sound to be sent to the outputs. This also affects the reverb time. The chart here shows the relationship between threshold level and reverb time, assuming a fixed decay time setting.

DECAY TIME setting.



Assuming a constant threshold level, the reverb time will change as a function of the DECAY TIME setting. This relationship is expressed the adjacent chart.

SPECIFICATIONS

- **INPUT:** Input level (-35dB/-10dB/+4dB), Input impedance (6k Ω /70k Ω /170k Ω)
- **OUTPUT:** Output level (-35dB/-10dB/+4dB), Output impedance (400 Ω /1.2k Ω /1.2k Ω)
- **Frequency response:** 20Hz-20kHz, ± 1.5 dB (Direct), 200Hz-4.5kHz, -8dB - -6dB (Reverb, referenced to 1kHz peak)
- **S/N ratio:** 80dB or more (Direct, IHF-A), 60dB or more (Reverb, IHF-A)
- **Reverberation time:** About 2 seconds or more (gate off, at 800Hz)
- **Gate:** Decay time 0.13-1.3 seconds
- **Equalizer:** Bass (± 4 dB at 200Hz), Middle (± 6 dB at 800Hz), Treble (± 4 dB at 4kHz)
- **Control input:** Reverb on/off control (momentary switch input)
- **Power consumption:** 6W
- **Dimensions:** 482(W) x 44(H) x 306(D)mm
- **Weight:** 3.9kg
- **Supplied accessories:** Rack mounting screws x 4

Options

- Pedal switch PS-1
- Number cord (3m/5m/7m)
- Hard case

*Specifications and features are subject to change without notice for further improvement

NOTICE

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

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