

TONEWORKS

HYPERFORMANCE PRODUCTS

WORK

# TONEWORKS

**G1**

*GUITAR DISTORTION PROCESSOR*

**G2**

*ACOUSTIC GUITAR PROCESSOR*

**G3**

*GUITAR PERFORMANCE PROCESSOR*

**G4**

*ROTARY SPEAKER SIMULATOR*



# G1 GUITAR DISTORTION PROCESSOR

**NEW**

Programmable Distortion Processor  
Featuring Nine Distortion Modes.

## Versatile Distortion Processing.

The G1 has been designed specifically to provide guitarists with an extensive selection of distortion effects in one easy-to-use programmable pedal unit. There are nine different distortion modes, including Classic Overdrive, High Gain Distortion, Shred Distortion, Fuzz, and combination Wah-Wah pedal and distortion effects. Along with EQ, Delay, Speaker Simulator and Noise Reduction, the G1 has thirteen different internal effects.

The individual distortion modes are not simply variations of the same distortion effect. Each has its own characteristics and the power to give the demanding guitarist exactly the right sound—whatever the musical application. Even the other built-in effects, such as Delay, Speaker Simulator and Wah, have been designed specifically to be used with each of the internal distortion effects. With this much versatility gathered together in one box, the G1 is a guitarist's dream come true.

## Hybrid Gain Structure.

The distortion effects in the G1 are powerful, dynamic recreations of vintage pedals and natural tube amplifier distortion. This is not a simple, conventional distortion effect. The G1 uses Korg's new Hybrid Gain Structure system to add both sustain and harmonic overtones to the distortion. This not only makes for a more natural distortion, but also gives the overall sound greater presence and power, making it a truly professional-level processor. The G1 also gives you wide control over the distortion dynamics depending on the level of your playing, letting you get a relatively clean sound when you play softly and a full distortion sound when you play loudly.

The various types of effects in the G1 give the professional guitarist the ideal distortion sound needed—from natural overdrive such as Classic and Tube Overdrive to harder edged and more over-the-top, like the High Gain and Shred Distortion modes.

## Unique Distortion Effects.

The G1 also features combination effects that bring together Pedal Wah and distortion. By connecting a separate volume pedal (such as the Korg VP-10 or KVP-001) to the Wah input on the back of the G1, you can create Wah-Wah Pedal and filter-emphasis effects.

There are also two Fuzz effect modes in the G1. One is a traditional 60's Fuzz box simulation, and the other is based on the classic octave divider fuzz.

## Easy Operation and Nine User Programs.

The G1's Integrated Parameter Editing system makes it exceptionally easy to use and operate. It's also user programmable. Nine original effect programs can be stored and easily accessed during performance.

The G1 features two types of outputs: LINE and AMP. When the Line output is used, the distortions are sent through the Speaker Simulator effect. This effect simulates the EQ curve of a typical guitar amp's speaker allowing connection directly to a PA system or for direct recording in the studio. To use the G1 with a guitar amp in a live situation, select the AMP output.

### <G1 Distortion Modes>

- Classic Overdrive ▶ Vintage "Blues" style overdrive pedal sound.
- Tube Overdrive ▶ Warm, amp-like overdrive with less direct sound and more gain than Classic mode.
- High Gain Distortion ▶ Powerful distortion sound suitable for many applications, from crunch rhythm to screaming leads.
- Shred Distortion ▶ Mondo-aggressive "scooped mids" distortion.
- Fuzz ▶ 60's-style fuzz box simulation.
- Octafuzz ▶ Fuzz and octave sound.
- Classic OD + Wah ▶ Overdrive and late 60's-style Wah-Wah Pedal effect.
- High Gain Dist. + Wah ▶ Distortion and Wah-Wah Pedal effect.
- Shred Dist. + Wah ▶ Shred and Wah-Wah Pedal effect.

### <G1 Preset Programs>

	PROGRAM NO.1	PROGRAM NO.2	PROGRAM NO.3
GREEN Bank	MR. SCARY	GAIN MEISTER	VALUE SCREAMER
RED Bank	BRITISH STEEL	BLUES BURN	TWEED TONE
ORANGE Bank	BEYOND DRIVEN	ENTER WAHMAN	OCTAFUZZ

The distortion variations below are used for the programs of each preset.

- VALUE SCREAMER, TWEED TONE.....Classic OD
- BLUES BURN.....Tube OD
- GAIN MEISTER, BRITISH STEEL, BEYOND DRIVEN.....High Gain Dist
- MR.SCARY.....Shred Dist
- OCTAFUZZ.....Octafuzz
- ENTER WAHMAN.....High Gain Dist + Wah

**SPECIFICATIONS** ● Internal Effects: Wah, Overdrive/Distortion/Fuzz 9 types (Classic OD, Tube OD, High Gain Dist, Shred Dist, Fuzz, Octafuzz, Classic OD + Wah, High Gain Dist + Wah, Shred Dist + Wah), EQ, Delay, Speaker Simulator, Noise Reduction ● Controls: Input Level, Output Level, Parameter (Programmable) × 6 (MODE, GAIN, TONE, CONTOUR, DELAY, LEVEL), Compare/Write SW, Foot SW × 4 (Program Select (1,2,3), Bank Select) ● Programs: 3 programs × 3 banks (Green, Red, Orange) ● Input/Output Connections: Input (1/4" phone), Output [LINE (1/4" phone), AMP (1/4" phone), TUNER [Buffered] (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, Pedal Input [Wah] (1/4" phone) ● Display: LED (Red) × 6 (PEAK, ORIGINAL, VALUE, COMPARE, PROGRAM × 3), 3-colors LED [Green, Red, Orange] (BANK) ● A/D, D/A Resolution: 16bit Linear ● Sample Rate: 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● Input Sensitivity: -13dBu ~ +7.0dBu (for digital full-scale level) ● Input Impedance: 1MΩ ● Output Level: +6.0dBu (max.) ● Output Impedances: 5KΩ (max.) ● Tuner Out Level: Input Gain Unity ● Headphone Out Power: 50mW(max.)/32Ω stereo ● Dynamic Range: > 90dB (@ BYPASS IHF-A) ● Power Supply: DC 9V ● Power Consumption: 400mA(max.) ● Dimensions: 281(W) × 209(D) × 38(H) mm ● Weight: 1.1kg

### REAR PANEL



- ① DC9V 9V WAH-PEDAL jack: Connect the output jack of an optional volume pedal. Korg KVP-001 or VP-10. Set the minimum volume on the volume pedal to 0.
- ② PHONES
- ③ OUTPUT (AMP, LINE) AMP: Connect a guitar amplifier here. LINE: Connect a mixer here.
- ④ INPUT: Connect the instrument here. ⑤ TUNER: Outputs a dry sound (without effect) that has been input from the Input jack. Connect a tuner.



# G2 ACOUSTIC GUITAR PROCESSOR

**NEW**

Multi-effect Processor for Acoustic Guitar.  
Seven Simultaneous Effect,  
Nine Different Effect Types.

## Signal Processing for the Acoustic Guitar.

The new G2 Acoustic Guitar Processor is a programmable all-digital multi-effect processor created specifically for electric-acoustic guitars. Along with a complete selection of digital effects, the G2 also features a built-in Auto Chromatic tuner. It's unparalleled ease-of-use and advanced signal processing make the G2 a natural for achieving superb, professional sound, instantly and easily—whether onstage or in the studio.

## Seven Simultaneous Effects, User Programmable.

Each of the G2's nine different effects was specifically chosen for electric-acoustic guitars. Limiter, EQ & Exciter, 12-String Simulator, Chorus, Doubling Delay, Delay, Reverb and Notch Filter provide the acoustic player with a world of brand new sound possibilities.

Up to seven effects can be used simultaneously and creating your own programs is easy. Nine original effect programs can be stored and called up quickly while you're playing.

## Professional Quality Sound.

The G2 gives you the ability to enhance the beautiful, rich sound of an electric-acoustic guitar. The newly developed 12-String effect adds incredible depth and texture, and creates a unique, spacious sound that is simply unattainable through ordinary pitch shifting.

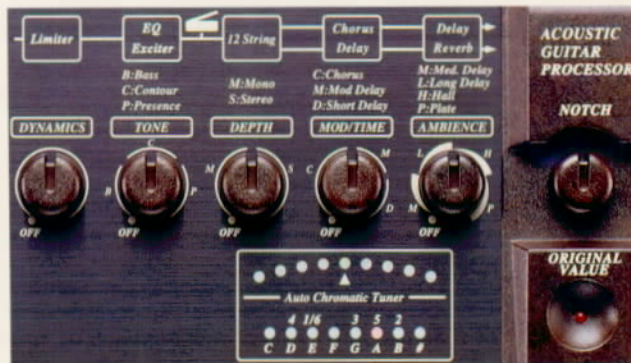
Other internal effects like Chorus, Doubling Delay, Delay, and Reverb also add depth and animation to the sound. You can fine tune the sound with the Limiter and use the EQ & Exciter to give the sound even greater definition and clarity. In addition, a special Notch Filter effect now makes it possible to eliminate feedback without altering the basic character of the acoustic sound.

## Ease of Operation.

The G2 has a straightforward, logical panel layout making it exceptionally easy to use and operate. Integrated Parameter Editing allows you to make broad changes in the sound with a single control. For example, the Tone control can be used to edit the 3-Band EQ & Exciter. The Mod/Time control can adjust Chorus parameters (depth and speed) or select Doubling Delay or Short Delay effects.

## Built-in Auto Chromatic Tuner.

The G2's built-in LED Auto Chromatic tuner has a pitch detection range from B0 to C7 (30.86 Hz-2.093 kHz). It lets you tune your guitar easily—even onstage—without having to select specific notes or strings. And with the easy-to-read LED display, you're always assured of a quick and accurate reading, no matter what angle you view from.



### G2 Preset Programs

	PROGRAM NO.1	PROGRAM NO.2	PROGRAM NO.3
GREEN Bank	MEDIUM ROOM	SUPER CHORUS	SHIMMER
RED Bank	SLAP'N ECHO	COUNTRY	COUNTRY TWELUE
ORANGE Bank	HUGE SOLO PLATE	CHORALE HALL	ROTARY CHORALE

In each bank — Green, Red and Orange — Program 1 is the basic effect, Program 2 is of the Chorus/Delay group, and Program 3 is the 12-String Simulator.

**SPECIFICATIONS** ● Internal Effects: Limiter, EQ Exciter, 12 String Simulator (stereo), Chorus/Delay (stereo), Delay/Reverb (stereo), Notch-Filter ● Controls: Input Level, Output Level, Parameter (Programmable) × 6 (DYNAMICS, TONE, DEPTH, MOD/TIME, AMBIENCE, NOTCH), Compare/Write SW, Foot SW × 4 (Program Select (1,2,3), Bank Select) ● Programs: 3 programs × 3 banks (Green, Red, Orange) ● Input/Output Connections: Input (1/4" phone), Output [LEFT (1/4" phone), RIGHT (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, Pedal Input [Volume] (1/4" phone) ● Tuner: Auto Chromatic Tuner (Calibration; A=440Hz fix) ● Display: LED (Red) × 6 (PEAK, ORIGINAL, VALUE, COMPARE, PROGRAM × 3), 3-colors LED [Green, Red, Orange] (BANK), 9 Points LED Meter (TUNING), 8 Points Note LED (NOTE) ● A/D, D/A Resolution: 16bit Linear ● Sample Rate: 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● Input Sensitivity: -13dBu ~ +7.0dBu (for digital full-scale level) ● Input Impedance: 1MΩ ● Output Level: +6.0dBu (max.) ● Output Impedances: 5KΩ (max.) ● Headphone Out Power: 50mW(max.)/32Ω stereo ● Dynamic Range: > 90dB (@ BYPASS IHF-A) ● Power Supply: DC 9V ● Power Consumption: 400mA(max.) ● Dimensions: 281(W) × 209(D) × 38(H) mm ● Weight: 1.1kg

### REAR PANEL



● DC9V 9V x 1: Connect the output jack of an optional volume pedal: Korg KVP-001 or VP-10. Set the minimum volume of the volume pedal to 0. ● PHONES: Connect an amp, mixer, etc. here. When using monaural equipment, connect to the L jack. ● INPUT: Connect the guitar here.



# G3 GUITAR PERFORMANCE PROCESSOR

The New G3 — Programmable Multi-Effects for the Guitarist Who Wants to Play, Not Program.

## Control That Doesn't Get in the Way of Creativity.

The G3 represents a total rethinking of how guitar digital multi-effects processors are used. Although they offer musicians amazing signal processing power, the product learning curve can easily get in the way of creativity.

The G3 and Integrated Parameter Editing (IPE) provide guitarists with extraordinary effects editing power at the simple turn of a knob.

## Breakthrough Performance at a Breakthrough Price.

The G3's all digital internal effects include Compressor, Overdrive, Distortion, EQ, Flange, Chorus, Rotary Speaker, Delay and Reverb. They're easily edited by the effect parameter controls; Drive, Tone, Speed, Time and Level.

Up to six effects can be used at once to create an awesome array of sound possibilities. And the G3's Overdrive and Distortion set new standards in portable signal processing. Best of all, the G3 gives you all of this performance at a price you won't believe.

## Clean, Crunch & Lead Modes.

To increase the G3's user-friendliness, programs have been divided into three modes: CLEAN, CRUNCH and LEAD.

With a dedicated footswitch for each, it's just like a channel switching amplifier.

## Intelligent Editing.

With Integrated Parameter Editing, the effect parameter controls actually select different effects in each of the three modes. For example, in the CLEAN mode the Drive parameter selects Compressor attack and sensitivity. In the CRUNCH mode, though the Drive parameter yields a selection of Overdrive gain levels.

## And More....

The G3's BANK footswitch allows the player to choose from three banks of CLEAN, CRUNCH and LEAD for a total of nine user programs.

The G3 also includes a unique and simplified bypass function eliminating the need for a separate bypass switch.

And the G3 also includes Edit Compare, Input and Output Level controls and Noise Reduction.

From start to finish, the G3 Guitar Performance Signal Processor has been designed to play.

**SPECIFICATIONS** ● Internal Effects: Compressor, Distortion/Overdrive, Semi-Parametric-EQ, Stereo Chorus/Flanger, Stereo Reverb/Delay, Noise Reduction ● Controls : Input Level, Output Level, Parameter (Programmable) × 6 (DRIVE, TONE, SPEED, TIME, LEVEL, NR), Compare/Write SW, Foot SW × 4 (Program Select 1,2,3, Bank Select) ● Programs: 3 programs × 3 banks (Green, Red, Orange) ● Display: LED(Red) × 6 (PEAK, ORIGINAL VALUE, RESTORE, BYPASS, DRIVE, STOP), 3-colors LED [Green, Red, Orange] (BANK) ● A/D, D/A Resolution: 16bit Linear ● Sample Rate: 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● Input Sensitivity: -13dBu ~ +7.0dBu (for digital full-scale level) ● Input Impedance: 1MΩ ● Output Level: +6.0dBu (max.) ● Output Impedances: 5KΩ (max.) [0dBu = 0.775Vrms] ● Dynamic Range: > 90dB (@ BYPASS IHF-A) ● Power Supply: DC 9V ● Power Consumption: 250mA(max.) ● Dimensions: 281(W) × 209(D) × 38(H) mm ● Weight: 1.1kg

### A-Series PERFORMANCE SIGNAL PROCESSORS



Warm tube sound and incredibly versatile sound processing in a multi-effect device — designed especially for guitar.

## A4 GUITAR

PERFORMANCE SIGNAL PROCESSOR



With the new, exciting Synth Bass effect — drawing on Korg's synthesizer experience — the A4 BASS gives bass players exactly what they've been looking for.

## A4 BASS

PERFORMANCE SIGNAL PROCESSOR

### G-series OPTIONS

VP-10 VOLUME PEDAL

KVP-001 VOLUME PEDAL

KVP-002 VOLUME PEDAL (for G4)

HC-MB HARD CASE

SC-MB SOFT CASE

OFC Cords 2m/3m/5m/7m



● VP-10



● SC-MB



● HC-MB



▶ HARD CASE WITH REMOVABLE COVER

# KORG

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# G4 ROTARY SPEAKER SIMULATOR

**NEW**

**Huge Rotary Speaker Sounds in a Super Compact Unit.**

## Authentic Rotary Speaker Simulation In an Ultra-Compact Package.

You know the sound. The classic rotary speaker effect is extraordinarily rich; a combination of factors like the rotation of the speaker horn and the placement of the microphone in front of it.

The G4 now gives you that same rich effect in a compact pedal unit. It recreates all the subtle nuances, the changes in timbre and the sweeping dynamics.

Four convenient foot pedals can be used to control the speed and stop the apparent speaker movement. With its beautifully natural sound and easy to use controls, the G4 is the first rotary speaker effect to satisfy even the most demanding players.

## Amazingly Realistic Vintage Sound.

Korg has developed completely new processing circuitry for the TONEWORKS G4 to reproduce this complex rotary speaker effect. The G4 gives you all the luscious depth and modulating textures of the original rotary speaker sound — even the changes as the rotation starts, stops and switches speed. Organists, keyboard players and guitarists will love the G4's remarkably warm, rich modulation and enormous expressive control.

The G4 recreates all elements of the characteristic rotary speaker sound, right down to the placement of the microphone in front of the speaker. As a result of meticulous research into the actual sound, the G4 is even capable of reproducing the resonance of a rotary speaker cabinet.

The Mic Placement Function allows you to set the apparent microphone position for even greater realism. With its set of well thought out, comprehensive controls, the G4 delivers such an incredible array of rotary speaker sounds, you'll wonder where we put the huge cabinet!

## That Classic Overdrive Sound.

Organ players and guitarists will appreciate the new overdrive function. It recreates the characteristic distortion of the amplifier and speaker being overdriven and gives a wide range of sounds from warm, subtle overdrive to hard-edged distortion.

## Comprehensive, Easy to Use Controls.

The G4 features a unique, new Integrated Parameter Edit (IPE) system which gives you access to an extensive set of sound control parameters. Your settings can also be stored to memory for instant recall.

**SPECIFICATIONS** ● Controls: Input Level, Output Level, Parameter(Programmable) × 6 (ACCELERATION, SPEED, BALANCE, DISTANCE, SPREAD, DRIVE), Restore/Write SW, Foot SW × 4 (BYPASS, DRIVE, STOP, SPEED) ● Program: 1 ● Input/Output Connections: Input [LEFT/MONO (1/4" phone), RIGHT (1/4" phone)], Output [LEFT (1/4" phone), RIGHT (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, SW/Pedal Input [SPEED] (1/4" phone) ● Display: LED(Red) × 6 (PEAK, ORIGINAL, VALUE, RESTORE, BYPASS, DRIVE, STOP), 2-colors LED [Green, Red] (SPEED) ● A/D, D/A Resolution: 18bit Linear ● Sample Rate: 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● Input Sensitivity: -7dBu ~ +7.0dBu (for digital full-scale level) ● Input Impedance: 1MΩ(stereo-in)/500kΩ(mono-in) ● Output Level: +6.0dBu (max.) ● Output Impedances: 5KΩ (max.) ● Headphone Out Power: 50mW(max.)/32Ω stereo ● Dynamic Range: > 90dB(@ BYPASS IHF-A) ● Power Supply: DC 9V ● Power Consumption: 380mA(max.) ● Dimensions: 281(W) × 209(D) × 38(H)mm ● Weight: 1.1kg

### REAR PANEL



The parameters are based on the types of settings that were available on vintage rotary speaker systems. The result is exceptionally flexible and intuitive control. In fact, some of the controls of the G4 are actually easier to use than those of the original!

For example, the Horn Speed and Rotor Acceleration controls let you change the microphone placement and the belts of the horn and rotor to increase or decrease the rate of rotation. Just these two parameters alone let you make broad changes and provide an amazingly authentic sound.

## Realtime Pedal Control.

With the convenient foot pedal control you can start and stop the rotation and change speed—just like on an actual rotary speaker. In addition to remote control over fast/slow switching, the G4 lets you speed up or slow down the rotary effect by using an external pedal like Korg's KVP-002.

### <G4 Parameters>

1. ACCELERATION: For controlling how quickly the rotation comes up to full speed.
2. SPEED: For setting the rotation speed of the horn.
3. BALANCE: For controlling the balance of the horn and rotor sounds.

### MIC PLACEMENT

4. DISTANCE: For setting the apparent distance between the speaker and the microphone. This controls the tremolo depth and the overall ambiance.
5. SPREAD: For controlling the apparent distance between the two microphones. This lets you adjust the overall stereo image of the sound.
6. DRIVE: Sets the overdrive gain level.

### <G4 Programs>



### Preset Program:

\* This simulates the normal setting of an actual rotary speaker system. Adjust these buttons according to the instrument you're using and the particular application.



### For Organ:

A strong, heavy distortion sound makes this perfect for hard rock soloing.



### For Guitar:

When Drive is set to OFF, this makes a good clean sound; when set to ON, it's ideal for lead work.

**NOTE:** For best results, set the Spread control button to the MONO position when feeding a mono input, such as a guitar amplifier.

①DC9V②SPEED: Connect the cable from the output of a latch-type foot switch, or optional volume pedal Korg KVP-002 here. ③PHONES④OUTPUT (R,L): Connect an amp, mixer, etc. here. When using monaural equipment, connect to the L jack. ⑤INPUT(R,L/MONO): Connect the instrument here. When using monaural instrument, connect to the L/MONO jack.



# TONEWORKS

At TONEWORKS we're obsessed with one thing — great sound. Awesome sound and tone are the cornerstones of creative playing. Let's face it, when your sound isn't "on" it's pretty hard to be inspired. But when your equipment delivers the goods, you can hear and feel it.

That's what TONEWORKS is all about : giving you gear that won't hold you back. Check out TONEWORKS new "G" series of multi-effects. Regardless of what you're into, there's one that will inspire you.