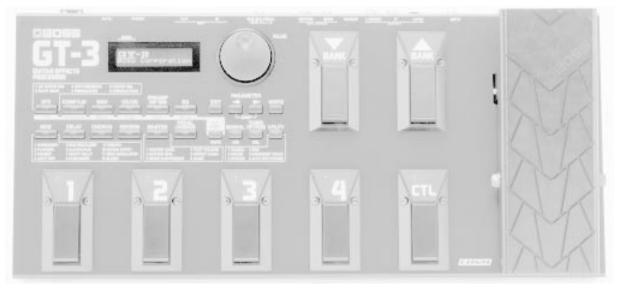# Roland®

GT-3 Guitar Effects Processor

Top-Notch BOSS Guitar Effects On-the-Go!

The GT-3 Guitar Effects Processor takes the professional-quality guitar effects and killer COSM-based preamp of the flagship GT-5 and places them in a sturdy, compact pedalboard with a very nice price. With an amazingly flexible preamp section and 32 onboard effects—including new Auto Riff, Acoustic effects and a Pickup Simulator—the GT-3 opens the doors to a whole new world of affordable guitar processing power.

- Floor-based guitar effects processor/preamp with 32 killer effects and ultra-flexible COSM preamp

- High-quality signal processing through 24-bit A/D and 20-bit D/A converters

- COSM preamp with vintage and modern guitar amp emulation, speaker cabinet and mic simulation

- New Auto Riff feature triggers complete musical riffs from a single note

- New Pickup Simulator produces fat humbucking sounds from a single-coil guitar

- New Slicer and Feedbacker effects for interesting rhythmic and sustained sounds

- Includes 11 analog distortion and overdrive effects plus external OD/DS connection, as well as chorus, delay, reverb, flange, tremolo, harmonist, pan, wah, synth effects, acoustic guitar simulation and more

- New EZ Edit mode allows for very quick effects adjustment using only four parameters

- New effects optimized for acoustic-electric guitar, including Anti-Feedback, Bi-Stereo Chorus, and Acoustic-Electric preamp setting

- Sturdy, all-metal chassis built to withstand years of rigorous use

* Product pictured is a prototype model. Actual product appearance may be subject to change.

A Professional-Quality Processor

The GT-3 is an affordable, floor-based effects processor and preamp with true professional-quality features and sounds. Like its big brother, the popular GT-5, the GT-3 doesn't cut corners when it comes to tone. It offers full 24-bit A/D converters and 20-bit D/A converters—the highest in its class. And onboard you'll find all the cool BOSS effects that made the GT-5 so popular: 11types of analog distortion and overdrive sounds, plus chorus, flanger, phaser, tremolo, panning, wah, reverb, delay, compression, feedbacker, slow gear, EQ, harmonist, vibrato, guitar synth effects, acoustic guitar simulation, and more—32 effects in all! Thirteen of these effects are available simultaneously, and without exception, these effects sound a "cut above" other floor-based processors on the market, making the GT-3 right for the studio as well.

Cool New Effects

In addition to the 28 effects found in the GT-5, the GT-3 includes some great new effects as well. An Auto-Riff function lets users play a single note and trigger a complete musical riff, allowing beginners to sound like pros with lightning-fast tapping riffs, funky riffs and more! An onboard Pickup Simulator processes a single-coil guitar to sound as if it's got fat humbucking pickups, or vice-versa. A new Slicer effect produces rhythmic "chopping" patterns in the guitar's output which sound like a cross between a guitar and a wild techno synth. A newly developed Feedbacker effect accentuates the gain of overtones and fundamentals to easily produce natural feedback. And there's even some great acoustic-electric guitar effects, including a built-in Anti-Feedback processor, a Bi-Stereo Chorus effect and an Acoustic-Electric Preamp setting which produces natural, balanced acoustic-electric guitar sounds even when plugged in to a conventional guitar amp.

A COSM-Driven Preamp Section

Better still, all these great effects have been paired with a true COSM-based guitar preamp—using some of the same technology that's behind the amazing VG-8 V-Guitar System. This gives the GT-3 an amazing-sounding selection of vintage and modern amp types—14 in all—plus their corresponding speaker cabinets and even microphone simulations. The 12 analog distortion and overdrive effects (incl. external OD/DS) can be set to interact with this COSM preamp, permitting even greater flexibility in tone control. Select a distortion effect, an amplifier "model" with adjustable mic placement, then add some additional EQ or reverb—the possibilities are intense.

Easy to Use. Ready to Play.

The GT-3's guitarist-friendly design provides intuitive control over very powerful editing and customizing options. Effects routing, control pedal and expression pedal assignments, MIDI control, and much more can be programmed within seconds. For beginners, or those who simply don't want or need to do comprehensive effects editing, the GT-3 offers an EZ Edit function that allows quick edits to overall effect sound via just four effect parameters (Drive, Tone, Modulation, and Delay). Adjusting a single parameter in this mode automatically adjusts several corresponding parameters for the best results. This lets users spend more time playing and less time tweaking. Plus, the GT-3 offers a variety of Quick Settings which let users select effects sounds without even touching the individual parameters. Quick Settings use phrases like "Long Delay" and "Short Delay" instead of numbers or technical terms, so even beginners can customize their own effects easily.

Effects List

Acoustic Guitar Simulator	Overdrive	Humanizer
Slow Gear	Distortion	Vibrato
Anti Feedback	Preamp	Guitar Synth
Feedbacker	Speaker Simulator	Ring Modulator
Pickup Simulator	Equalizer	Slicer
Tremolo	Harmonist	Delay
Pan	Flanger	Chorus
Compressor	Phaser	Reverb
Limiter	Auto Riff	Noise Suppressor
Pedal Wah	2x2 Chorus	Foot Volume
Auto Wah	Short Delay	

Roland®

BOSS Multi-Effects Preamps and COSM Technology

Preamps adjust the gain and tone of the guitar sound, giving it a distinctive "color." Roland and BOSS engineers have carefully analyzed the characteristics of many legendary guitar amps and created stunning preamp simulations in our guitar products. Following is some background on how this was accomplished.

Every guitar amplifier has its own unique combination of tubes and components that give it a distinctive sound. Roland's advanced DSP technology was used to isolate and emulate these different components, which were then recombined to "model" the original amplifier setup. This is Roland's proprietary modeling technique known as COSM (Composite Object Sound Modeling). Using COSM, the preamps of the GT-3 can create the distinctive sound of virtually any amplifier.

When the virtual components of these "modeled" amps are combined, they interact in the same way as the original amp. For instance, tuning the volume up on a modeled tube amp not only increases amplitude, but also overdrives the virtual circuitry, enhances sustain and fattens the sound—just like the real amp. That's a powerful feature, but even more remarkably, you can instantly switch between totally different amp types—without any additional gear .

Combined with a sophisticated COSM-based speaker simulation circuit, the preamp sounds from the GT-3 give you incredible "live" sounds—even when playing through headphones or recording direct to a mixing console.

Specifications

AD Conversion
24-bit AF Method 64 times oversampling delta-sigma Modulation

DA Conversion
20-bit 128 times oversampling delta-sigma Modulation

Sampling Frequency
44.1 kHz

Program Memories
Preset: 200, User: 140

Nominal Input Level
Input: -10 dBm, Return: -10 dBm

Input Impedance
Input: 1Mohm, Return: 220kohm

Nominal Output Level
Output: 0 dBm, Send: -10 dBm

Output Impedance
Output: 2kohm, Send: 2kohm

Dynamic Range
100 dB or greater (IHF-A)

Tuner
Reference Pitch: 435 Hz to 445 Hz

Display
16-character, 2-line backlit LCD

Connectors
Input, Outputs (L/Mono, R), External OD (Send, Return), Sub Expression/Sub Control Pedal 1,2 (TRS 1/4"), MIDI (In, Out), Phones, AC In

Current Draw
800 mA (AC14V AC Adaptor)

Dimensions
487 (W) x 222 (D) x 97 (H) mm (19-3/16" x 8-3/4" x 3-7/8")

Weight
4.0 kg (8 lbs. 14 oz.)

Accessories
AC Adaptor (BRC Series)

Options
Footswitch: FS-5U, FS-5L, Expression Pedal: EV-5 (Roland), FV-300L + PCS-33 (Roland)