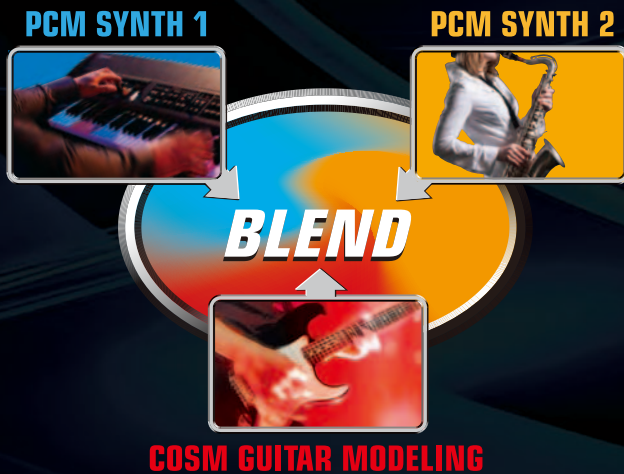GUITAR SYNTHESIZER
GR-55

Roland

A New Era of Sound, Power, & Performance

Advanced synth sounds and authentic guitar tones come together in this amazing instrument. The new GR has arrived!

Amazing sound at your fingertips! Express your originality and imagination with the new generation of GR.

New Sound Possibilities

Infinite possibilities from two types of synth tones + COSM guitar modeling

Loaded with sounds that respond to every turn of your imagination, including never-experienced heavy and thick tones, astral sounds, and the ultimate in clear tone. The GR-55 blends two types of synth sounds and with COSM guitar modeling to reproduce a broad range of guitar tones and expressive effects.

PCM SYNTH 1   **PCM SYNTH 2**

BLEND

COSM GUITAR MODELING

COSM Amp Models and Effects

COSM

Perfection in creating authentic guitar tones

The GR-55 features a world-class lineup of COSM models that replicate vintage masterpiece guitar amps, plus effects equal to BOSS's flagship GT class.

Superior Playability

With exceptional sound response, the GR-55 delivers playability that is second to none

Experience the GR-55's amazing high-speed tracking based on the latest pitch-detection technology. In addition to latency-free guitar modeling, it offers infallible response for playing fast phrases!

Hi-Speed Tracking

It also expresses the tonal nuances that are unique to guitars

All picking nuances — such as mild finger-plucks, sharply picked tones, and harsher tones played close to the bridge — are reflected in the synth engine, exploiting the subtle expressions that are unique to guitars.

Easy to Use

Use powerful presets for sounds you can use right away

Use the LEAD button for sounds suited for solo performances, or RHYTHM for rhythm guitar playing. It comes with a Sound Style function that lets you easily select sounds that you can use right away for specific styles of music such as rock and pop.

SOUND STYLE

LEAD   **RHYTHM**   **OTHER**

True ease, EZ Edit lets you intuitively craft the sound you want

Simply move the cursor to edit the tone to your preference. No complex parameter adjustments needed. Listen to the changing tones as you move the cursor to create your best sound.

EZ EDIT

WET

MILD ◁   ▷ BRIGHT

DRY

For rock! For pop! For any style of music you play! If you're looking for crowd-captivating, cool, and powerful guitar sounds, the GR-55 is your dream machine. It provides exceptional expression and diverse sound from its guitar synth + COSM guitar-modeling engine that instantly recreates the sounds of different guitar types and irregular tunings.
You can also access the sounds of masterpiece vintage guitar amps as well as world-famous BOSS GT-series guitar effects. This unit covers all known bases, and beyond.
GR is the epicenter of a new guitar revolution!

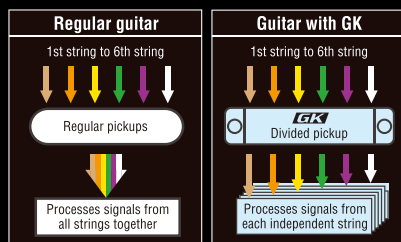Listen to the dramatic sounds of the GR-55 on the web!
www.roland.com/GK/

GR
Guitar Revolution
GR-55 is a colorful new universe of tone and creativity

The Power of GK

This advanced pickup enables you to precisely create tones for each independent string.

■ Unlike traditional pickups, the GK pickup detects individual signals from each guitar string
■ Create amazing sounds by processing tones and pitch any way your imagination leads you

Regular guitar	Guitar with GK
1st string to 6th string	1st string to 6th string
Regular pickups	**GK** Divided pickup
Processes signals from all strings together	Processes signals from each independent string

Divided pickup for Guitar
GK-3 GK

■ You can attach the GK pickup to the end pins of your favorite guitar.

This product is available in two versions.

GR-55GK The GR-55GK comes with a GK-3 pickup and GK cables.

GR-55 **+** GK-3 Divided pickup **+** GK cable (5m)

GR-55S
The GR-55S does not come with a GK-3 or GK cables.

GR-55

GR-55 GUITAR SYNTHESIZER

GK COSM V-LINK USB AUDIO USB MEMORY

GR-55GK···Includes a GK-3 divided pickup for guitar, and a GK cable (5m)
GR-55S······Comes with the GR-55 only. *Requires GK-3/GK-3B divided pickup and GK cable, sold separately.

Over 900 types of synth tones onboard

The PCM guitar-synth tones built-into the GR-55 cover a broad range, including piano, organ, strings, horns, woodwinds, ethnic instruments, synth textures, and synth leads, as well as rhythm, voices, and sound effects. To select a tone, all you have to do is select a category and variation.

COSM guitar modeling deliver superior expression

The GR-55 houses COSM models of masterpiece electric and acoustic guitars. You can also instantly access irregular tunings and 12-string guitar tones.

Wide variety of amp sounds and effects onboard

The GR-55 comes with BOSS GT-class effects and COSM amps. You can freely choose sounds from an extensive range of amps that are considered to be vintage masterpieces, and add distortion effects including overdrive as well as high-quality spatial effects. You can also use the effects for synth tones as well.

USB memory port

Use USB memory device for playing back audio files or to back up your data.
The port is protected with a flap to keep dust out.
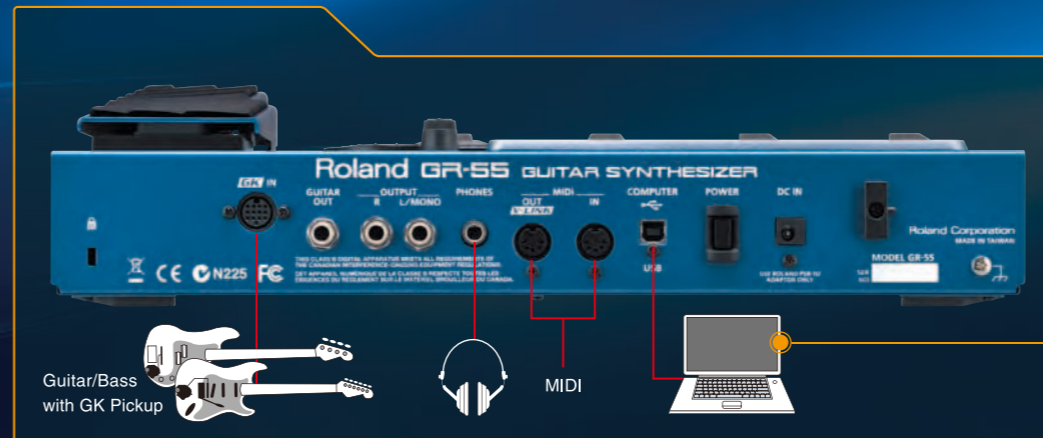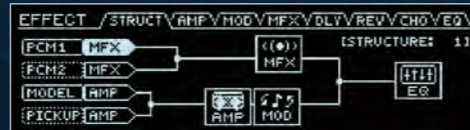
Sync video to your performance

The GR-55 supports V-LINK, which lets you sync video functions to your performance to create dramatic multimedia stage performances.

Sound Style helps you find the perfect sound fast

Choose from 270 types of sounds in guitar mode and 90 types in bass mode. You'll find solo patches in LEAD, backing tones in RHYTHM, and special-effects patches in OTHER that are unique to the GR-55. These let you quickly choose the best sound for your needs.

Large, easy-to-view display

The GR-55's large display is easy to view even when you're on stage. With graphical images of effects algorithms and other information, the display makes it very convenient to confirm and edit your settings at a glance.

Guitar/Bass with GK Pickup

MIDI

Works great with your PC for recording and guitar-to-MIDI conversion

With the GR-55's USB audio and MIDI support, you can record directly to your PC, or send your guitar-performance data to your PC as MIDI information. Tap into the power and flexibility of a GR and PC combination guitar workstation.

Built-in expression pedal

In addition to controlling volume, this pedal can be used to control the balance between synth tones and distorted guitar tones in real time, as well as to control effects parameters.

Intuitive sound creation with EZ Edit

Wet or dry? Warm or bright? Simply move your cursor across this 4-directional grid to easily create the sound you're looking for.

Bass-guitar modeling

The GR-55 is the most powerful tool in a bassist's arsenal. Simply by switching to Bass mode, you can instantly access the library of preset tones as well as access the COSM bass engine. You can essentially convert the GR-55 to a dedicated bass unit equipped with COSM bass amps.

Tuner function onboard

Instantly activate the built-in tuner mode with the press of a pedal. The tuner automatically displays the tuning of all six strings individually, helping you tune quickly.

Create multi-layered loops in real time

The GR-55 comes with a Phrase Loop function that lets you record phrases on top of another to create dramatic loop performances.

PHRASE LOOP

Create one-person band performances with audio playback

The Audio Play function lets you play audio files directly from a USB memory device. This is a great feature for creating one-person band performances where you play your guitar along with backing and rhythm tracks, or for play-along practice sessions.

■ Specifications

Sound Generator	PCM: 2 tones, Modeling: 1 tone	**USB Memory Audio Player**	File Format: WAV, AIFF
Tones	PCM: 910 types, Modeling: 23 types (guitar mode), 17 types (bass mode)	**Display**	Graphic LCD 240 x 64 dots
Effects	MFX (Multi-Effects): 20 types, AMP (Preamp): 42 types, MOD (Modulation): 14 types, DELAY: 7 types, REVERB: 5 types, CHORUS: 4 types, EQ: 1 type	**Connectors**	GK IN connector (13-pin DIN type), GUITAR OUT jack (1/4-inch phone type), OUTPUT L/MONO, R jacks (1/4-inch phone type), PHONES jack (Stereo 1/4-inch phone type), MIDI connectors (IN, OUT) (5-pin DIN type), USB COMPUTER connector (supports USB 2.0 Hi-Speed USB MIDI and USB Audio), USB MEMORY connector (supports USB 2.0 Hi-Speed Flash Memory), DC IN jack
Patch Memory	[Guitar mode] Preset: 270 + User: 297, [Bass mode] Preset: 90 + User: 297		
AD Conversion	24-bit (GK Pickup), 24-bit + AF method (Normal Pickup) * AF method (Adaptive Focus method) / This is a proprietary method from Roland & BOSS that vastly improves the signal-to-noise (S/N) ratio of the A/D and D/A converters.	**Power Supply**	DC 9 V
		Current Draw	700 mA
DA Conversion	24-bit	**Dimensions**	405 (W) x 244 (D) x 78 (H) mm, 16 (W) x 9-5/8 (D) x 3-1/8 (H) inches, Maximum height: 405 (W) x 244 (D) x 106 (H) mm, 16 (W) x 9-5/8 (D) x 4-3/16 (H) inches
Sampling Frequency	44.1 kHz	**Weight**	3.3 kg / 7 lbs 5 oz (excluding AC adaptor)
Nominal Output Level	OUTPUT jacks: −10 dBu, GUITAR OUT jack: −10 dBu	**Accessories**	AC adaptor, Owner's manual, Divided pickup GK-3 *GK included model (GR-55GK) only, GK cable (5 m) *GK included model (GR-55GK) only
Output Impedance	OUTPUT jacks: 2 k ohms, GUITAR OUT jack: 2 k ohms		

*0 dBu=0.775 Vrms

■ Options (sold separately)

GR-55 Bass mode delivers amazing tone and expressiveness to bassists.

Attach the GK-3B divided pickup to your bass, and you can play superb synth sounds with COSM bass-guitar and -amp modeling.

Divided Pickup for Bass

GK-3B GK

● Simple to install with included holder
● Accommodates a variety of bass-guitar types, as it can be attached to "float" above the bridge
● The GK-3B can adjust to specific string positions, supporting both 5- and 6-string basses

*GK-3 divided pickup (for guitar) also sold separately; purchase extra GK-3 pickups to install on the guitars of your choice.

USB Flash Memory
M-UF2G

2 GB USB memory key

Unit Selector
US-20 GK

Allows a single guitar to control two GK-compatible units

GK Cable
GKC-5 (5 m/196-7/8 inch) GK

GK Cable
GKC-10 (10 m/393-3/4 inch) GK

Guitar Synthesizer Global Official Page   www.roland.com/GK/

Experience the most advanced technology for guitars.

Tap into a creative universe for guitar and bass — Guitar Synthesizer, V-Guitar, and V-Bass — with the Roland GK pickup. Hear from star artists and enjoy dynamic demo performances!

COSM

Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/magnetic amplifying system, the air and the reverberation of the room all affect the final sound. Sound modeling, an advanced DSP technology, "virtually" reconstructs these objects. Roland's breakthrough Composite Object Sound Modeling (COSM) uses the advantages of multiple modeling methods and succeeds in accurately emulating existing sounds, as well as producing sounds that have never before been created.

V-LINK

Using V-LINK, musicians can "play" video from their electronic instrument — or even control a live video camera — when used with Roland/EDIROL video products. With V-LINK, musicians have a powerful interface for realtime audio and video integration.

Roland
WE DESIGN THE FUTURE

Visit us online at www.Roland.com