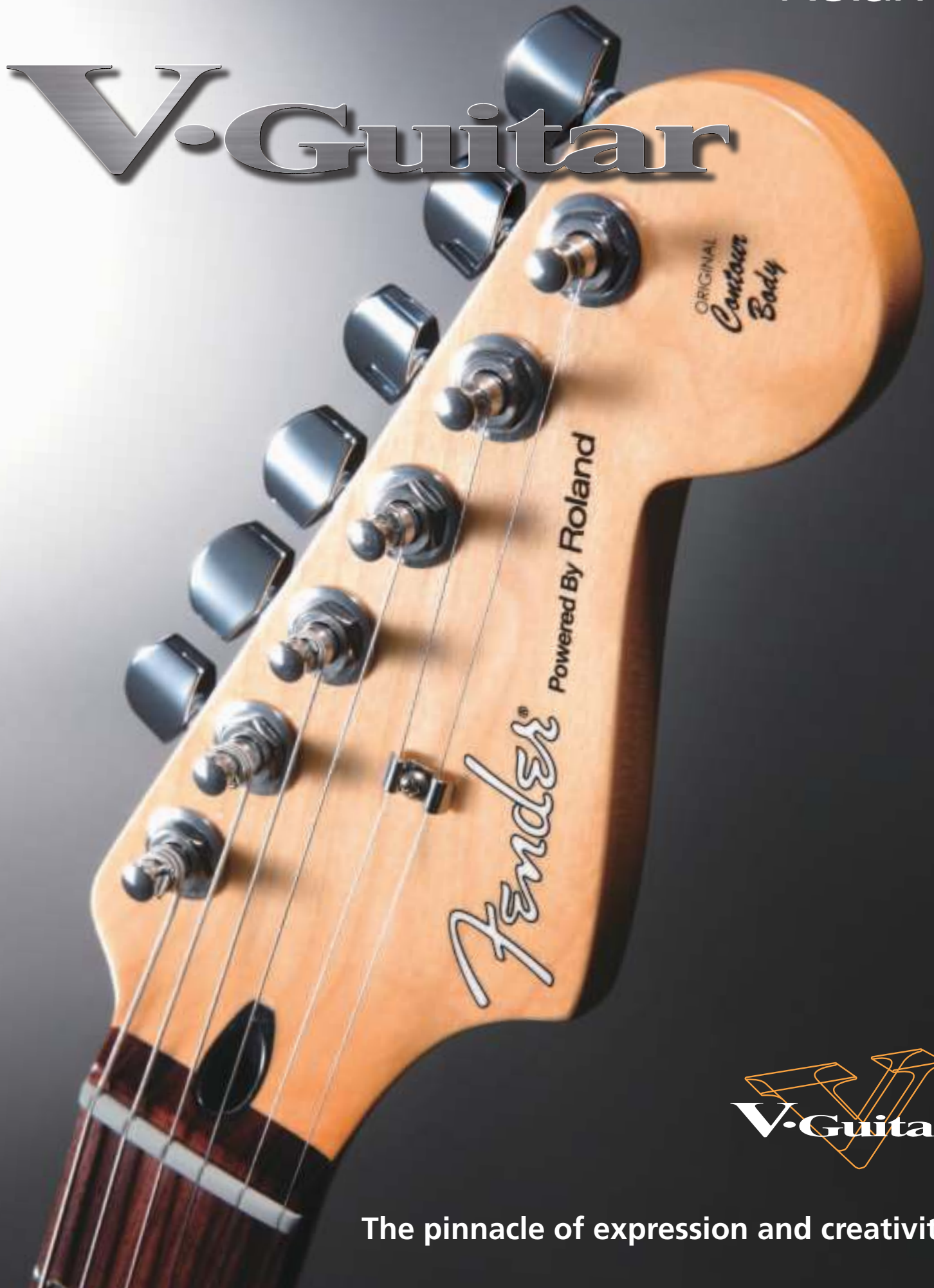


# V-Guitar



ORIGINAL  
*Contour*  
Body

Powered By Roland

Fender®



The pinnacle of expression and creativity.

# Roland V-Guitar — a coveted classic meets future technology.

With state-of-the-art COSM modeling and divided pickups that capture the signals of each string, the V-Guitar System takes guitar, bass and amp sound design to a new level.

Previous GR-55 Guitar Synthesizer used two types of synth modules and COSM guitar modeling. Today, with the V-Guitar, a new generation has arrived. Introducing the G-5 VG Stratocaster® and GC-1 GK-Ready Stratocaster®!



## ■ New expression for guitarists.

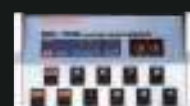
1977 was the year the world's first guitar synth, the GR-500, was born. This also represented the beginning of the history of the V-Guitar.

The debut of the GR series sparked the evolution of guitar expression based on divided pickups. The accumulation of Roland's state-of-the-art technology and know-how was embodied in subsequent GR-series guitar synths, and eventually in the VG series that employed modeling technology. Now, in 2012, an advanced generation of products has arrived — the G-5 VG Stratocaster and GC-1 GK-Ready Stratocaster — which combine the latest guitar modeling technology with the classic Fender® Stratocaster. This special collaboration between Roland and Fender empowers the world's most beloved guitar with advanced technology for the ultimate in expression and creativity.

### GR Series



**GR-300, 1980:**  
The world's first polyphonic guitar synthesizer.



**GR-700, 1984:**  
MIDI support and programmable functions are added.



**GR-1, 1992:**  
First in the series to be integrated with PCM synth module.



**GR-55, 2011:**  
Hybrid model, combining synth and guitar modeling.

### VG Series



**VG-8, 1995:**  
The world's first COSM guitar-modeling processor.



**VG-88, 2000:**  
Onboard effects and pedal functions with evolved COSM.



**VG-99, 2007:**  
Processing capability improved dramatically; also equipped with D-BEAM and ribbon controller.



**GR-500, 1977:**  
The world's first guitar synthesizer debuted.

### VG-99 V-Guitar System

Infinite sound-creating capability with dual COSM.  
This is the ultimate guitar-modeling machine.

### G-5 VG Stratocaster®

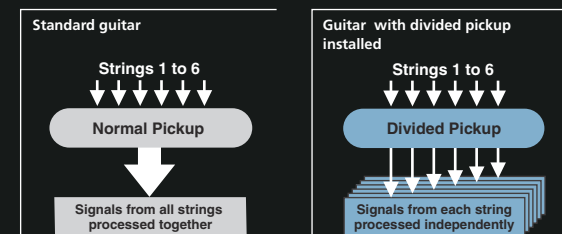
The G-5 melds a Fender Stratocaster with Roland COSM guitar modeling enabling this classic guitar to not only sound like itself, but also a Telecaster®, an acoustic guitar, a 12-string guitar, and future sounds never before possible on a traditional electric guitar.

### GC-1 GK-Ready Stratocaster®

This Stratocaster is equipped to connect directly to a Roland VG-99 V-Guitar System or GR-55 Guitar Synthesizer.

## ■ Divided pickup — a creative breakthrough.

The G-5 and GC-1 represent an evolution from traditional guitar pickups in that they are equipped with divided pickup capable of capturing the signals of each individual string. This allows techniques such as string bending and vibrato to be applied to revolutionary sounds created by modeling or synthesis.



- Traditional guitar pickups capture the signals from all six strings and transmit them together.
- In contrast, divided pickup captures the signals of each individual string and transmit them individually. This enables accurate translation of each string's performance.
- Since the transmitted signals are analog just as in regular pickups, they faithfully reflect every technique and expressive nuance.



### GR-55 Guitar Synthesizer

A new, hybrid GR model that combines guitar synth and modeling.





## Classic sound is only the beginning.

With a single G-5, you can enjoy a classic Stratocaster sound as well as the sound of a Telecaster, a six- or 12-string acoustic guitar, and even guitars with alternative tunings.

In addition, the G-5 gives you tonal options that are not possible on traditional electric guitars, such as Wide Range and Bright Humbucker. It's like having a vault of guitars, pickups, synthesizers, and tone controls in one instrument.



### Stratocaster with VG engine.

Born through a combination of Roland's latest guitar modeling technology and Fender's traditional Stratocaster, the G-5 is a guitar overflowing with creative possibilities. With COSM guitar modeling onboard, the G-5 lets you create custom instruments virtually, including different guitar body shapes, pickup types, and tunings. COSM is what allows this guitar to reproduce the sounds of a Telecaster in perfect detail, or humbucker pickups, or acoustic guitars. COSM can also take you to creative places never imagined, into sonic realms that have been impossible to reach with traditional electric guitars.



techniques and nuances characteristic of guitars, such as bending, vibrato, and hammering, the divided pickup also enables an entirely new level of performance through COSM.

### From traditional guitar sounds to the unimagined.

The G-5 comes with five different modes: Normal Stratocaster, Modeled Stratocaster, Telecaster, Humbucking Pickups, and Acoustic. With its five-way switch, you can create tonal variations with different pickup combinations from any of these modes. In addition, the G-5 enables tonal options that are not available on traditional electric guitars, including Wide Range (which gives you a fat tone while maintaining the wide range of single coil pickups) and Bright Humbucker (that delivers highs that cut through while maintaining the rich mids and lows



#### ■ G-5 Tone List

| MODE                   | G-5-way Selector Switch |                             |                             |                               |                           |
|------------------------|-------------------------|-----------------------------|-----------------------------|-------------------------------|---------------------------|
|                        | Neck                    | Neck + Middle               | Middle                      | Bridge + Middle               | Bridge                    |
| N Normal Stratocaster  | Neck (Single Coil)      | Neck + Middle (Single Coil) | Middle (Single Coil)        | Bridge + Middle (Single Coil) | Bridge (Single Coil)      |
| S Modeled Stratocaster | Neck (Single Coil)      | Neck + Middle (Single Coil) | Middle (Single Coil)        | Bridge + Middle (Single Coil) | Bridge (Single Coil)      |
| T Telecaster           | Neck (Wide Range)       | Neck (Single Coil)          | Neck + Bridge (Single Coil) | Bridge (Single Coil)          | Bridge (Wide Range)       |
| H Humbucking Pickups   | Neck (Bright Humbucker) | Neck (Humbucker)            | Neck + Bridge (Humbucker)   | Bridge (Humbucker)            | Bridge (Bright Humbucker) |
| A Acoustic             | Jazz                    | Electric Sitar              | Nylon-String Acoustic       | Steel-String Acoustic2        | Steel-String Acoustic1    |

### Divided pickup dramatically enhances expression.

In addition to normal Stratocaster pickups, this model comes with divided pickup that realizes new possibilities for guitar. This pickup transmits signals from each string individually, and is capable of accurately capturing performance information for each individual string. In addition to capturing the performance



that are characteristic of humbuckers). You can also enjoy the sounds of Jazz Guitar and Electric Sitar in acoustic mode, all from a single guitar!

### Instantly retune to alternative tunings.

The G-5's Tuning function lets you instantly retune to alternative tunings such as Drop D, Open G, D modal, and Baritone at the turn of a knob. You can switch to a variety of alternative tunings without touching the tuning pegs or switching to another guitar, keeping your string tensions unchanged. A 12-string guitar mode is also provided, which you can use with both acoustic and electric guitar sounds.



#### ■ Tuning Type

●Normal ●Drop D ●Open G ●D Modal ●Baritone ●12 String

### Fast, easy control.

The G-5 is as easy to use as a regular electric guitar. After you plug in your guitar cable, all you have to do to set your tone is turn the Mode and Tuning knobs, and set the five-way switch. It's fast and friendly to use yet feature-filled and powerful.

## G-5 VG Stratocaster® COSM

#### [Guitar specifications]

- Color variation type 1: G-5-BLK
- Body Color: Black ● Neck: 1-piece Maple neck
- Color variation type 2: G-5-3TS
- Body Color: 3-Tone Sunburst ● Neck: Rosewood (Fingerboard) on Maple

#### [Common specifications]

- Body: Alder
- Neck: ● Fingerboard Radius: 9.5" (24.1 cm) ● Backshape: Modern "C" shape
- Scale Length: 25.5" (64.8 cm) ● Number of Frets: 22
- Fret Size: Medium Jumbo
- Pickups: ● Single Coil type x 3 ● Divided type x 1
- Bridge: Vintage Style Synchronized Tremolo
- Controls: ● MODE knob (5 types) <N: Normal (non-modeling mode), S: Modeled Stratocaster, T: Modeled Telecaster, H: Modeled Humbucking Pickups, A: Modeled Acoustic guitar>
- TUNING knob (6 types) <N: Normal tuning, D: Drop D, G: Open G, d: D Modal, B: Baritone, 12: 12-String guitar>
- TONE Control knob ● VOLUME knob ● 5-Way switch
- Indicator: Power indicator
- Weight: 3.8 kg / 8 lbs 7 oz
- Nominal Output Level: -20 dBu
- Output Impedance: 2 k ohms
- Recommended Load Impedance: 20 k ohms or greater
- Connector: Guitar Jack (1/4" phone type)
- Power Supply: ● DC 6 V: Alkaline battery (AA, LR6) x 4, ● Rechargeable Ni-MH battery (AA, HR6) x 4
- Current Draw: 230 mA (DC 6 V) \* Expected battery life under continuous use: Alkaline battery: 6 hours, Rechargeable Ni-MH battery: 9 hours
- \* These figures will vary depending on the actual conditions of use.
- \* When the batteries are dead or even removed from the instrument, the guitar still functions as a Stratocaster.
- Accessories: ● G-5 VG Stratocaster® Owner's Manual ● OWNER'S MANUAL FOR FENDER® GUITARS
- Tremolo Arm ● Hexagonal wrench ● Alkaline battery (AA, LR6) x 4
- Special gig bag
- \* 0 dBu = 0.775 Vrms

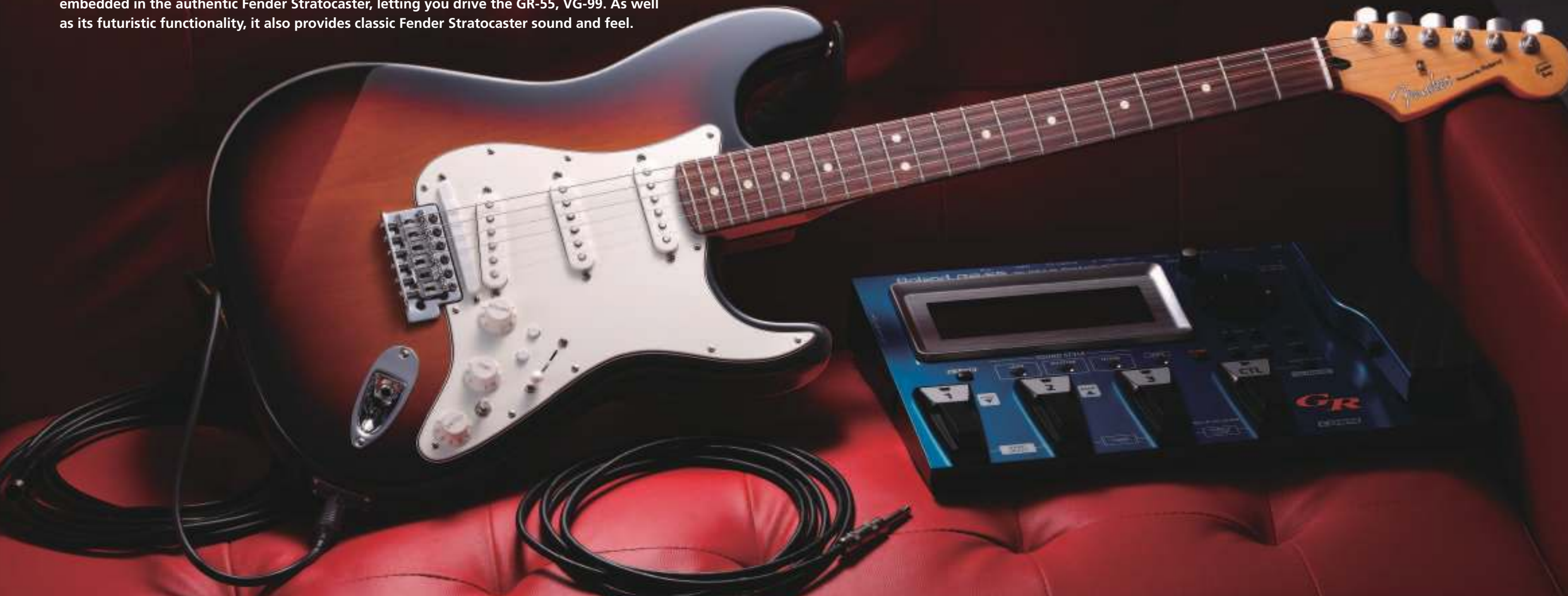


G-5-BLK G-5-3TS



## Packed with creative potential.

The complete functions of the Roland's divided pickup are perfectly and beautifully embedded in the authentic Fender Stratocaster, letting you drive the GR-55, VG-99. As well as its futuristic functionality, it also provides classic Fender Stratocaster sound and feel.



### Stratocaster with support for VG-99 and GR-55.

The GC-1 has built-in divided pickup that adds infinite creative possibilities to the Fender Stratocaster. In addition to playing the GC-1 as a normal Stratocaster through your favorite amp, you can also connect it to the VG-99 V-Guitar System or GR-55 Guitar Synthesizer to dramatically enhance creativity.



### One-cable connection.

With a single GK cable, you can conveniently connect the GC-1 to a VG-99 or GR-55. This is all you need to tap into a world of sound through COSM modeling or guitar synthesis. The GC-1 is also capable of converting your performance into MIDI data via a VG-99 or GR-55, so you can use it as a MIDI controller to record your guitar performances directly to a DAW.



## GC-1 GK-Ready Stratocaster® GK

### [Guitar specifications]

- Color variation type 1: GC-1-BLK
- Body Color: Black ● Neck: 1-piece Maple neck
- Color variation type 2: GC-1-3TS
- Body Color: 3-Tone Sunburst ● Neck: Rosewood (Fingerboard) on Maple

### [Common specifications]

- Body: Alder
- Neck: ● Fingerboard Radius: 9.5" (24.1 cm)
- Backshape: Modern "C" shape ● Scale Length: 25.5" (64.8 cm)
- Number of Frets: 22 ● Fret Size: Medium Jumbo
- Pickups: ● Single Coil type x 3 ● Divided type x 1
- Bridge: ● Vintage Style Synchronized Tremolo

### ■ Controls:

- [GK Controller section] ● GK VOLUME knob ● Select switch
- UP (S1) button ● DOWN (S2) button

### [Normal guitar section]

- Guitar VOLUME knob ● Guitar TONE knob ● 5-Way switch
- Weight: 4.0 kg / 8 lbs 14 oz
- Connectors: ● GK Connector (13-pin connector)
- Guitar Jack (1/4" phone type)
- Accessories: ● GC-1 GK-Ready Stratocaster® Owner's Manual
- OWNER'S MANUAL FOR FENDER® GUITARS ● Tremolo arm
- Hexagonal wrench ● Special gig bag



GC-1-3TS

GC-1-BLK

## ■ New worlds of sound with the VG-99 and GR-55.



Powerful sound creating capability with dual-COSM configuration.

### VG-99 v-Guitar System

**GK COSM V-LINK** **D-BEAM** **USB AUDIO**

- Dual modeling engines allow guitar and amp models to be dynamically switched, layered and combined
- Superb COSM electric, acoustic, and bass guitar models, plus synth waves from the famous GR-300
- Guitar to MIDI converter for direct connection to keyboards, sound modules or computers
- Supports USB audio and MIDI for easy digital recording and sequencing
- Dual BOSS GT-class amps and effects enable unequalled flexible tone creation
- Advanced performance controls, including D-BEAM, V-LINK and Ribbon Controller take guitar performance to a whole new level
- Graphical Editor software included to support sophisticated sound making
- Divided pickup is not included. Requires GK-3 or GC-1.



The latest and most powerful guitar synth combining synthesis with guitar modeling.

### GR-55 GUITAR SYNTHESIZER

**GK COSM V-LINK** **USB AUDIO** **USB MEMORY**

- A revolutionary fusion of guitar synthesis and powerful COSM guitar modeling
- Up to four sound sources at a time: two PCM synth tones, plus COSM guitar modeling and normal guitar input
- Easy to use and easy to play with hundreds of great, ready-to-use sounds for rock or pop guitarists
- Advanced Roland technology provides superb sound quality and lightning-fast processing
- Over 900 of Roland's latest fully editable PCM sounds, including pianos, organs, strings, vintage synths, and much more
- COSM guitar and amp modeling
- Two types of multi-effects engines, plus global reverb, chorus, and delay effects, and an onboard looper
- Built-in USB audio player with foot control
- Available with or without GK-3 Divided Pickup

● GR-55GK: Includes a GK-3 divided pickup and a GK cable.

● GR-55S: Comes with the GR-55 only. Requires divided pickup (GK-3, GK-3B or GC-1) and GK cable.

Divided Pickup for Guitar

**GK-3** *GK*

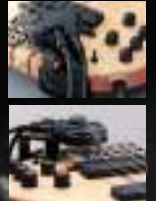
- Easy to connect to your favorite guitar
- Mounts easily on any steel-stringed electric guitar without damage to guitar
- Features an adjustable curve design and pickup cable length
- Includes attachment plate for archtop guitars
- Supports VG-99 and GR-55



Divided Pickup for Bass

**GK-3B** *GK*

- Enables connection to synthesizers, such as VB-99, GR-55
- Ultra-thin design
- Large, smooth-action volume knob
- Select switch for normal bass tone, synth sound, or mixture of both
- Easy installation
- Compatible with most 4-, 5-, and 6-string basses
- Supports VB-99 and GR-55



State-of-the-art bass processing powered by COSM modeling.

**VB-99** V-Bass System

*GK* *COSM* *V-LINK* *D-BEAM* *USB AUDIO*

- Most advanced bass processor on the market
- Dozens of COSM instrument models, including coveted vintage and modern basses, amps, synth basses, effects and even electric guitars
- Converts bass to MIDI and streams audio via USB audio sources
- Dual independent stereo signal paths can be layered or switched: allows two different virtual sounds at the same time
- Allows users to play polyphonic synth bass sounds without tracking issues
- Advanced new real-time controllers: D-BEAM, V-LINK and Ribbon Controller



**OPTIONS**

MIDI Foot Controller  
**FC-300**

VG-99/VB-99 and FC-300, the perfect combination for live performance.



Footswitch  
**FS-5U**  
*BOSS*



Dual Footswitch  
**FS-6**  
*BOSS*



Expression Pedal  
**EV-5**



Foot Volume/  
Expression Pedal  
**FV-500L**  
*BOSS*



Unit Selector  
**US-20** *GK*



USB Flash Memory  
**M-UF2G**



Rack Mount Adaptor  
**RAD-99**



\* Supports VG-99 and VB-99

Pad Stand  
**PDS-10**



\* Supports VG-99 and VB-99

Carrying Bag  
for VG-99/VB-99  
**CB-VG9**



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

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



Foot Switch Cable  
**PCS-31L** (2.2 m/86-5/8 inch)



**V-Guitar Global Official Page** [www.roland.com/V-Guitar/](http://www.roland.com/V-Guitar/)

**Experience the most advanced technology for guitars.**

Tap into a creative universe for guitar and bass, V-Guitar series — G-5, GC-1, GR-55, VG-99 and more. Here from star artists and enjoy dynamic demo performances!

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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, the latest 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.



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



Visit us online at [www.Roland.com](http://www.Roland.com)

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