

Dual COSM® Delivers Unbridled Sound Enhanced Expression with D BEAM and Ribbon Controller

Double your power, double your expression — the VG-99 gives guitarists an unmatched creative palette. With dual COSM guitar, amplifier, and effects engines onboard, plus a D BEAM, ribbon controller, and V-LINK compatibility, the VG-99 takes guitar performance to a new level. Together with its seamless DAW compatibility, the VG-99 ushers in a new era of guitar power, flexibility, and expression.



Roland®

V-Guitar System VG-99

VG-99 SPECIFICATIONS

■ **AD Conversion** 24 bits + AF method ■ **DA Conversion** 24 bits ■ **Sampling Frequency** 44.1 kHz ■ **Program Memories** 400: 200 (User) + 200 (Preset) ■ **Nominal Input Level** GUITAR INPUT: -10 dBu ■ **Input Impedance** GUITAR INPUT: 2.2 M Ω ■ **Nominal Output Level** MAIN OUT: -10 dBu, SUB OUT (XLR): +4 dBu, GUITAR OUT: -10 dBu ■ **Output Impedance** MAIN OUT: 1 k Ω , SUB OUT (XLR): 600 Ω ■ **Dynamic Range** 100 dB or greater (IHF-A) ■ **Digital Output** Coaxial type (conforms to IEC60958) ■ **Controls** Top Panel: OUTPUT LEVEL Knob, Function Knobs x 6 (F1 to F6), BALANCE MAIN Knob, PATCH LEVEL Knob, V-Link Button, DIRECT PATCH Buttons (1 to 5), CONTROL Buttons (1, 2), COSM GUITAR MODELING TYPE Buttons (A, B), COSM GUITAR ALTERNATE TUNING Button, POLY FX A/B Buttons (A, B), FX Buttons (A, B), COSM AMP Buttons (A, B), MIXER Buttons (A, B), DELAY/REVERB Button, DYNAMIC Button, CHAIN Button, CONTROL ASSIGN Button, NAME/KEY/BPM Button, Function Buttons (F1 to F6), EXIT Button, WRITE Button, PAGE Buttons (Left, Right), GUITAR TO MIDI Button, SYSTEM Button, GLOBAL Button, TUNER Button, CATEGORY Button, PATCH/VALUE Dial, Power Switch, D BEAM: D Beam Controller, PITCH Button, FILTER Button, ASSIGNABLE Button, RIBBON CONTROLLER: Ribbon Controller, PITCH Button, FILTER Button, ASSIGNABLE Button ■ **Rear Panel** Ground Lift Switch (SUB OUT) ■ **Display** 240 x 64 dots graphic LCD (with backlight) ■ **Connectors** Top Panel: GK IN Connector, Rear Panel: GUITAR INPUT Jack, GUITAR OUTPUT Jack, SUB OUT Jacks (XLR) x 2 (L, R), MAIN OUT Jacks (L/MONO, R), PHONES Jack, DIGITAL OUT Jack, EXP PEDAL Jack, CTL 3.4 Jack, USB Connector, RRC2 Connector, MIDI Connectors (IN, OUT), DC IN Jack ■ **Power Supply** AC Adaptor (PSB-1U) ■ **Dimensions** 384.0 (W) x 218.0 (D) x 93.5 (H) mm/ 15-1/8 (W) x 8-5/8 (D) x 3-11/16 (H) inches *EIA-5U rack mount type: optional rack mount adaptor RAD-99 ■ **Weight** 2.1 kg/ 4 lbs 11 oz (excluding AC Adaptor) ■ **Accessories** Owner's Manual, GK Cable (3 m), USB Cable, RRC2 Cable, VG-99 Software CD-ROM, AC Adaptor (PSB-1U) ■ **Options** Divided Pickup: GK-3, MIDI Foot Controller: FC-300, Footswitch: FS-5U, FS-6 (BOSS), Expression Pedal: EV-5, FV-500L (BOSS), GK Cable: GKC-10, GKC-5, GKC-3, Unit Selector: US-20, GK Parallel Box: GKP-4, Rack Mount Adaptor: RAD-99, Pad Stand: PDS-10, Footswitch Cable: PCS-31

* 0 dBu= 0.775 Vrms

OPTIONS

Divided-pickup technology

● Independent output from each string ● Capable of tracking every delicate nuance of guitar performance, such as choking, vibrato, and hammering ● Output from the guitar's own pickups can be used as usual; combine sound from the guitar with the V-Guitar ● Easily installable on your favorite guitar



Divided Pickup for Guitar **GK-3**

VG-99 & FC-300, the perfect combination for live performance Two-way communication via RRC2 connection

● Connect the optional FC-300 to the VG-99's RRC2 connector with a single LAN cable (Ethernet: CAT5 or higher) for two-way communication of a variety of data, such as patch-names display on the FC-300's LCD
● Power is supplied to the FC-300 from the VG-99 through the RRC2 connection ● 9 pedal switches and dual expression pedals offer friendly foot control of patch switching, volume, and various parameters
● Patch Mode enables MIDI transmission information to be freely manipulated ● Two sets of special terminals for channel control of the guitar amp ● 3-way power supply (battery, AC adaptor, and RRC2 connection)



MIDI Foot Controller **FC-300**

■ **Controls** Number Pedal x 5 (1/6, 2/7, 3/8, 4/9, 5/10), DOWN / UP Pedals, Control Pedals (CTL 1, CTL 2), Expression Pedals (EXP PEDAL 1, EXP PEDAL 2), PARAMETER Buttons (Left, Right), VALUE Buttons (Down, Up), UTILITY Button, MODE Button, EXIT Button, WRITE Button, POWER Switch ■ **Display** 7 segments, 3 characters (LED), 16 characters, 2 lines (backlit LCD) ■ **Indicators** MODE Indicator (STANDARD, CONTROL, SYS EX, PATCH), UTILITY Indicator, WRITE Indicator, Number Indicators (1 to 10), DOWN / UP Indicators, Control Indicators (1, 2), Expression Pedal Switch ON/OFF Indicators (1, 2) ■ **Connectors** DC IN Jack, MIDI IN Connector, MIDI OUT Connector, RRC2 OUT Connector, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP Pedal 3 / CTL 3, 4 Jack, EXP Pedal 4 / CTL 5, 6 Jack, EXP Pedal 5 / CTL 7, 8 Jack, MODE Jack ■ **Power Supply** 9 V DC: AC Adaptor (PSA-series), Dry battery R6 (AA) type (carbon) x 6 or LR6 (AA) type (alkaline) x 6, RRC2 (supplied from RRC2 device) ■ **Dimensions** 550 (W) x 250 (D) x 76 (H) mm, 21-1/16 (W) x 9-7/8 (D) x 3 (H) inches ■ **Weight** 5.2 kg/ 11 lbs 8 oz (excluding AC Adaptor and Batteries) ■ **Options** AC Adaptor PSA-Series (BOSS), Foot Switch: FS-5U (BOSS), FS-5L (BOSS), FS-6 (BOSS), Expression Pedal: EV-5, FV-500H (BOSS), FV-500L (BOSS)

<p>Rack Mount Adaptor RAD-99</p>	<p>Pad Stand PDS-10</p>	<p>Unit Selector US-20 </p>	<p>GK Parallel Box GKP-4 </p>	<p>Expression Pedal EV-5</p>
<p>Foot Switch FS-5U </p>	<p>Dual Footswitch FS-6 </p>	<p>Foot Volume FV-500L </p>	<p>■ GK Cables GKC-3 (3m/118-1/8 inch) </p> <p>■ GK Cables GKC-5 (5m/196-7/8 inch) </p> <p>■ GK Cables GKC-10 (10m/393-3/4 inch) </p>	

Roland
WE DESIGN THE FUTURE

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Printed in Japan. JUN 2007 RAM-4226 GR-GEN-NK AE-3



The most powerful V-Guitar system ever!



D BEAM controller

By simply waving your hand or guitar neck over the invisible beam, you can change tone and pitch dynamically. It's a performer's dream, as dramatic gestures trigger dramatic tonal changes.

* The light in the photograph is only a representational image; actual beam is invisible.

Large LCD for easy operation

A high-visibility, large-size LCD, easy-to-comprehend graphics, and function knobs and switches that correspond to the layout on the screen makes navigation and editing easy.

Guitar-to-MIDI conversion

With the VG-99, you can play an external synthesizer from your guitar, and input the performance into an external sequencer as well.

Dynamic control

Allows you to switch between two separate sounds based on the dynamics of your picking.



Ribbon controller

Move your finger up and down the ribbon strip to control tone and pitch. Instantaneous and continuous sound changes that cannot be accomplished with knobs or switches can be implemented easily.



Synchronized sound and images

The V-LINK function brings a new dimension to performance by synchronizing sounds and images.

Free balance mixing

The VG-99's dual COSM engines allow two-channel dynamic mixing.

Clear signal flow

The VG-99's easy-to-read panel layout makes the 2-channel COSM configuration and signal-flow easy to understand at just a glance. You can directly access the target block for fast, intuitive, and innovative sound making.

Direct patch retrieval

Frequently used patches can be stored for instantaneous selection.

GK in

Connect a guitar with a GK-3 divided pickup to access the full expressive powers of the VG-99, including its COSM guitar and amp models, and incredible polyphonic effects.

Speedy shortcuts

Once the parameters are assigned, you can use NORMAL mode (jumps to maximum value when button is held, jumps to minimum value when button is released) or TOGGLE mode (switches between maximum and minimum values each time button is pressed).

The power of expression

The VG-99 V-Guitar system has all the elements that determine great guitar sound. By simply equipping your favorite guitar with a Roland divided pickup and connecting it to the VG-99, you'll have access to a vast universe of virtual guitars and amps. You'll also be able to take full advantage of an amazing range of effects, including analog-guitar synthesizer modeling. The VG-99 puts an entire history of guitar sounds at your fingertips, combined with state-of-the-art technology, enabling you to experience the ultimate in creativity onstage, in the studio, or right there on your desktop.

COSM GUITAR TYPE

MODELING TYPE	Electric Guitar	•CLA-ST •MOD-ST •TE •LP •P90 •LIPS •RICK •335 •L4 •VARI
	Acoustic Guitar	•STEEL •NYLON •SITAR •BANJO •RESO •VARI
	Bass Guitar	•JB •PB
	Synthesizer	•GR300 •BOWED •DUAL •FILTER-BASS •PIPE •SOLO •PWM •CRYSTL •ORGAN •BRASS •WAVE

ELECTRIC GUITAR PARAMETER

•PU SEL (Pickup Select) •VOL (Volume) •TONE •PU MOD (Pickup Model) •POS (Position) •PHASE •TYPE •ANGLE •STRING •EQ SW (Equalizer Switch) •EQ LEVEL •LOW GAIN •LOW MID FREQ (Low Middle Frequency) •LOW MID Q (Low Middle Q) •LOW MID GAIN (Low Middle Gain) •HIGH MID FREQ (High Middle Frequency) •HIGH MID Q (High Middle Q) •HIGH MID GAIN (High Middle Gain) •STRING PAN 1-6 •COSM GUITAR •NORMAL PU LEVEL (Normal Pickup Level) •NS SW (Noise Suppressor Switch) •NS THRE (Noise Suppressor Threshold) •NS RELE (Noise Suppressor Release)

COSM AMP TYPE

AMP TYPE	JC CLEAN	•JC-120 •Warm Clean •Jazz Combo •Full Range •BrightClean
	TW CLEAN	•Clean TWIN •Pro Crunch •Tweed •Warm Crunch
	CRUNCH	•Crunch •Blues •Wild Crunch •StackCrunch
	COMBO	•VO Drive •VO Lead •VO Clean •MATCH Drive •Fat MATCH •MATCH Lead
	BG LEAD	•BG Lead •BG Drive •BG Rhythm •SmoothDrive •Mild Drive
	MS STACK	•MS 1959(I) •MS 1959(II) •MS 1959(III) •MS HiGain •Power Stack
	R-FIER	•Cln •Raw •Vnt1 •Mdn1 •Vnt2 •Mdn2
	T-AMP	•Clean •Crunch •Lead •Edge Lead
	HIGAIN	•SLDN •Drive Stack •Lead Stack •Heavy Lead
	METAL	•5150 Drive •Metal Stack •Metal Lead
CUSTOM	•Custom	
BASS AMP	•Vintage •Modern	
SPEAKER TYPE	•Original •1 x 8" •1 x 10" •1 x 12" •2 x 12" •4 x 10" •4 x 12" •8 x 12" •Custom	
MIC TYPE	•DYN57 •DYN421 •CND451 •CND87 •FLAT	

POLYPHONIC EFFECT

•Polyphonic Compressor •Polyphonic Distortion •Polyphonic Octave •Polyphonic Slow Gear

MULTI EFFECT

•OD/DS (Overdrive/Distortion) •DELAY •CHORUS •REVERB •COMP (Compressor) •WAH •ADV.COMP (Advanced Compressor) •LIMITR (Limiter) •T.WAH •AUTO WAH •TREMLOLO •PHASER •FLANGER •PAN •VIB (Vibrato) •UNI-V •RING MOD (Ring Modulator) •SLOW GEAR •DEFRET •FEEDBACKER •ANTI FB (Anti-Feedback) •HUMANIZER •SLICER •SUB EQ (Sub Equalizer) •HARMONIST •PITCH SHIFT (Pitch Shifter) •PEDAL BEND •OCTAVE •ROTARY •2x2 CHORUS •SUB DELAY (Sub Delay) •EQ (Equalizer), FV (Foot Volume) •NS (Noise Suppressor)

REALTIME CONTROLLER

D BEAM Controller	•T-ARM •FREEZE •FILTER •Assign
Ribbon Controller	•FILTER •T-ARM •Assign
V-LINK	•MIDI Note •Clip Change •Assign

Incredible sound with Dual COSM®

Three powerful and advanced DSP are imbedded into the heart of the VG-99. This powerful multi-processing core enables the VG-99 to provide simultaneous COSM guitar, COSM amplifier, and effects processing. It's now possible to program a COSM amplifier for each of the two COSM guitar channels, and process the effects independently for each. These two individual sounds can be freely mixed for a vast array of possibilities; you can also switch between the sounds based on your picking dynamics.

COSM Guitar: With L4, 335, and Resonator guitar models plus coveted electric, acoustic, and bass guitars, the VG-99 rivals any major guitar collection. It also boasts the Vari Guitar model, which lets you freely select the type of pickup, installation position, and the type of strings; it also lets you perform precise editing. Settings for irregular tunings and 12-string guitar are available with all COSM guitar models. The Harmonist function enables harmony between two COSM guitars (A & B channels). A classic analog synth sound is also available by using COSM to reproduce Roland's historic GR-300 polyphonic guitar synthesizer.

COSM Amplifier: From historic and vintage amplifiers to today's most popular stacks and combos, the VG-99 offers a wide range of components in a complete compilation of COSM amplifier modeling. Choose from the amazing factory presets or build your own from scratch by selecting the caliber and number of speakers, the type of microphones, and the distance between mikes, for example, for optimum detail and customization.

Exclusive VG Effects: Only available on the VG are amazing effects such as Freeze, which sustains the guitar sound as long as you desire! You can "freeze" a chord, for example, and play a solo over it on another channel. There's also a polyphonic effect that takes advantage of the GK pickup's characteristics to independently process each individual string. The VG's multi-effects rival any of the top dedicated effects processors on the market.

Expressive controllers

The VG-99 is equipped with Roland's innovative D BEAM for dynamic sound manipulation by simply waving your hand (or guitar neck) over the invisible beam. The VG-99's ribbon controller lets you freely change the tone by simply sliding the tip of your finger up and down its surface. You can control what parameters each controller can be assigned to. V-LINK can then be used to synchronize your performance with video and images in cooperation with EDIROL's "motion dive" .tokyo performance package" and other V-LINK compatible equipment.



* The light in the photograph is only a representational image; actual beam is invisible.

Pitch-to-MIDI conversion

The VG-99's Pitch-to-MIDI function converter outputs your guitar performance as MIDI data. Simply connect the VG-99 to an external MIDI synth or sound module. Furthermore, your performance can be recorded as MIDI data into a sequencer, thus expanding the limits of guitar expression even further.

Enhanced output for pro needs

The VG-99's analog output consists of both 1/4" and XLR terminals, which add to the VG-99's versatility. You can use the main outputs for stage monitoring, for example, and the XLR outs for a PA mixer. High-quality digital output is also available.

Perfect companion for VG-99 "FC-300 Foot Controller"

Roland's optional FC-300 enables foot control of the VG-99 for live performances, etc. Special RRC2 connectors allow easy connection with a LAN cable (CAT5 or higher), with two-way communication and power both supplied over a single cable.



* VG-99 is mounted on the optional PDS-10 stand.

Ergonomic setup

Using the optional PDS-10 pad stand allows you to position the VG-99 at the optimal height and angle for stage performance. The addition of the optional RAD-99 rack mount adaptor enables adjustment of the angle.



- 1 GUITAR (INPUT/OUTPUT)
- 2 SUB OUT (L/R)
- 3 MAIN OUTPUT (L/MONO, R)
- 4 PHONES
- 5 DIGITAL OUT
- 6 EXP PEDAL
- 7 CTL 3.4
- 8 USB
- 9 RRC2 IN (for FC-300)
- 10 MIDI (IN, OUT)