





BOSS
YourTone

**Be original.
Be bold.
This is your tone!**

Create, Innovate.

These are the foundational themes on which all BOSS products are developed. Our goal is to work with the musician to create new sounds and new vistas. We help turn your unique character, passion, and dreams into sound! An icon of originality, born from an incessant pursuit of creativity, innovation, and attention to detail ... this is what BOSS is all about.



Your Music, Your Song, Your Tone

Musicians around the world are turning their passion and imagination into sound, realizing their creative vision. And their choice is BOSS.



CONTENTS

- THE BOSS COMPACT EFFECTS STORY.....06
- COMPACT SERIES.....08
- LEGEND SERIES.....12
- TWIN PEDAL SERIES.....13
- LOOP STATION.....14
- VOCAL PERFORMER.....16
- FLOOR MULTI EFFECTS.....18
- eBand.....22
- BR SERIES.....24
- TU SERIES.....26
- AD SERIES.....27
- DR & DB SERIES.....28
- OTHER EQUIPMENT.....29
- SPECIFICATIONS.....30



THE BOSS COMPACT EFFECTS STORY

| History |

The pioneer

The BOSS brand was born for the sole purpose of creating effects at a time when the concept of effects pedals was barely in its infancy. The BOSS brand was infused with all of Roland's effects-related technologies, debuting with the CE-1* chorus effect in 1976, followed by the first compact pedal, the OD-1* overdrive. Following these innovative releases, BOSS added pedal after pedal to its compact-series lineup, products that would pioneer new sonic terrain. Indeed, the history of BOSS is the history of effect pedals.



* The CE-1 and OD-1 are no longer in production.

One-and-only units

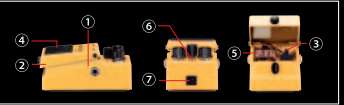
BOSS has a history of creating unique effects, having developed many groundbreaking models, including the SG-1* slow gear effect that reproduces the effects of violin bow playing, and the VB-2* vibrato effect. All of BOSS's compact effects are a result of the pursuit of uniqueness, as well as our commitment to responding to musicians' needs and our passion for creating new tones. And because of our pursuit of new creative expression, these units have truly earned the title of "one-and-only." BOSS's product family is a line-up of best sellers with long life-spans because of the unprecedented sound they deliver and their solid construction.

* The SG-1 and VB-2 are no longer in production.

| Innovation |

BOSS is the world standard of compact effect units

From the beginning, BOSS has built the best pedals by adhering to these key principles:
 ① Reliable aluminum die cast bodies ② Pedal switches that withstand the 1,000,000-repetition durability test ③ FET switches to eliminate the clicking noise of conventional mechanical switches ④ Non-slip rubber bases ⑤ Easy-to-install battery compartments ⑥ LED indicators ⑦ Battery and AC power



History of "world-first" products

BOSS has constantly incorporated the latest and most advanced technologies to evolve its effects units. In addition to the world's first chorus and overdrive effects, BOSS was also the first in the world to introduce digital delay, digital reverb, and pitch shifting in a compact-pedal format. Rivaling the specs of professional rack mount units, these pedals amazed the world.

| Inspire |

Play BOSS and be inspired by new sounds

Adding one of the BOSS compact pedals to your arsenal doesn't mean you're limited to one killer tone. Versatility is another reason BOSS compact effects have become so popular. For instance, while BOSS distortion pedals are designed to deliver their most distinctive "signature" sound with knobs set to 12 o'clock, the search for your own tone starts here. Tweak and play. The knobs will reveal a wide palette of sounds. Be inspired, as you discover new sounds for your song, for your music.



Covering All Creative Bases

With 37 high-quality models to choose from, BOSS compact pedals span a wide musical landscape. There are pedals for all musical genres, and for all musicians. With an extensive range of distortion effects that embody the history of the rock guitar sound, along with best-selling spatial/ambient effects as well as utility pedals such as noise suppressors, tuners, and line selectors, BOSS's effects provide multi-faceted, rock-solid support for all musicians.

The BOSS compact series was awarded the "2011 Good Design / Long Life Design Award" which is awarded to products that have been supported for ten years or longer. This is a testimony to BOSS's ongoing commitment to musicians around the world.



*The BOSS compact series was awarded the 2011 Good Design / Long Life Design Award.

Explore Your Inner Rock Star

Warm, fatten, bake, or burn — BOSS overdrive and distortion pedals are world famous for their rich, aggressive, and expressive sound. With 15 compact pedals in this category, guitarists have an expansive range of power-tone tools to choose from.

FB-2 Feedbacker/Booster

The New-Breed Booster with Natural Feedback

- Wide tonal variety, from flat, clean boost to powerful mid-boost and bright, clear treble boost
- Boost characteristics can be changed continuously and smoothly from one knob
- Advanced feedback function provides smooth and natural amp feedback



Current Draw 45 mA (DC 9 V)

BC-2 Combo Drive

British Combo-Amp Tone and Beyond

- Wide range of tones from classic crisp clean and punchy crunch to creamy overdrive with long sustain and beyond
- Natural and dynamic response to picking nuance
- Provides warm combo tones and authentic combo-amp cabinet resonance



Current Draw 45 mA (DC 9 V)

SD-1 SUPER OverDrive

Warm, Tube Drive Sounds

- Uses BOSS's asymmetric overdrive circuitry for warm, smooth overdrive sounds that respond to your picking style just like a tube amp
- Includes a Tone control to dial in just the right sound



Current Draw 6 mA (DC 9 V)

ML-2 Metal Core

Extreme Metal in a Compact Pedal

- The ML-2 delivers massive distortion and gain with heavy lows for music that requires a crushing sound
- The ML-2's ferocious and biting tone will slice through any blast beats your rhythm section can produce



Current Draw 36 mA (DC 9 V)

FZ-5 Fuzz COSM

A Distorted Blast from the Past

- The FZ-5 uses COSM technology to authentically reproduce three famous vintage fuzz effects of the '60s and '70s
- Turn the FUZZ knob to BOOST and you'll create an intense distortion that even exceeds the originals



Current Draw 36 mA (DC 9 V)

for BASS

ODB-3 Bass OverDrive

Crunchy Overdrive Effects for Bass

- An overdrive effect designed to cover the entire frequency range of bass guitars, including 5-string basses
- Overdriven sounds can be blended with dry bass signal for maximum clarity and punch



Current Draw 15 mA (DC 9 V)

OD-3 OverDrive

Natural Overdrive with Endless Sustain!

- Classic BOSS overdrive, based on a dual-stage design for bigger, fuller sounds
- Variable Drive and Tone controls create overdriven sounds from mild to extreme with almost endless sustain



Current Draw 9 mA (DC 9 V)

BD-2 Blues Driver

The Perfect Tone for Blues

- Get the tone of a bluesy, vintage tube amp in a compact pedal capable of anything from warm overdriven sounds to full-on distortion
- Leaves the subtle nuances of your playing intact



Current Draw 13 mA (DC 9 V)

OS-2 OverDrive/Distortion

Distortion and Overdrive Together At Last!

- A flexible pedal capable of producing overdrive, distortion, or a combination of both
- Get "in your face" distortion while maintaining the subtle nuances of single-coil guitar pickups



Current Draw 12 mA (DC 9 V)

CS-3 Compression Sustainer

Improves Your Overall Tone

- Compresses louder signals while boosting lower signals for smooth sustain without degrading the original sound quality
- Onboard EQ provides precise tonal control; low-noise design for super-quiet operation



Current Draw 11 mA (DC 9 V)

GE-7 Equalizer

Powerful 7-Band EQ!

- Shape your sound and eliminate feedback with seven bands of equalization
- Includes frequencies ranging from 100Hz to 6.4kHz with a powerful 15dB boost/cut per band



Current Draw 10 mA (DC 9 V)

for BASS

GEB-7 Bass Equalizer

Precise Tonal Control

- With a frequency range from 50 Hz to 10 kHz, the GEB-7 is ideal for any bass guitar, including 5-string basses
- Seven bands of EQ are available, affording greater control over the crucial midrange



Current Draw 16 mA (DC 9 V)

DN-2 Dyna Drive

An Overdrive Pedal that Reacts to You

- Equipped with Roland's Dyna Amp technology, this innovative overdrive pedal reacts to your playing dynamics
- Get a transparent, clean sound by playing softly, for example, and transition smoothly to a powerful overdrive by picking aggressively



Current Draw 36 mA (DC 9 V)

DS-1 Distortion

Used by Pros Everywhere

- A classic! Add some hard-edged distortion while preserving the subtle nuances of your playing dynamics
- A Tone control is provided for easy sound shaping



Current Draw 4 mA (DC 9 V)

DS-2 TURBO Distortion

Two Distortions for the Price of One

- Features twin modes for an expanded range of distortion — taking you from blues-rock rhythms to searing leads at the press of a pedal or twist of a knob



Current Draw 12 mA (DC 9 V)

MD-2 Mega Distortion

Nu-School Distortion with Massive Low End

- This pedal's dual Distortion and Gain Boost circuits take thick, heavy distortion sounds to a whole new level
- Special Gain Boost and Bottom controls let you shape your tone for maximum volume and low-end punch



Current Draw 18 mA (DC 9 V)

ST-2 Power Stack

Authentic amp stack sounds from a stompbox

- Based on an extensive analysis of classic guitar amps, this pedal provides the ultimate in distortion tones
- Simply twist the Sound knob for super-dense crunches, intense drive, and powerful ultra high-gain tones



Current Draw 36 mA (DC 9 V)

MT-2 Metal Zone

BOSS's Most Popular Pedal!

- Features dual-gain circuitry for thick, tube stack distortion with heavy mids and lows and long-lasting sustain
- A 3-band EQ with semi-parametric mids takes your sound to the extreme



Current Draw 20 mA (DC 9 V)



AC-3 Acoustic Simulator COSM

Advanced Electric-To-Acoustic Guitar Modeling
● The AC-3 is a new-generation compact pedal that employs COSM modeling technology to transform any electric guitar into a variety of beautiful acoustics



● Current Draw 39 mA (DC 9 V)

PH-3 Phase Shifter

Modern Phasing with Tap Tempo Sync
● Vintage BOSS phasing effects including 4-, 8-, 10-, and 12-stage phasers, plus new "Rise" and "Fall" effects for unidirectional phasing ● Tap tempo sync or realtime control of rate via an Expression/Pedal input



● Current Draw 50 mA (DC 9 V)

PS-6 Harmonist

Create three-part harmonies, de-tune, and bend with ease!
● Latest DSP delivers high-quality, natural sound ● Three-voice harmony, pitch-shifting, and de-tuning ● Powerful super-bend effect enables amazing multi-octave effects ● Pitch can also be controlled with a Roland EV-5 external pedal (sold separately)



● Current Draw 45 mA (DC 9 V)

RV-5 Digital Reverb

Pro-Quality Reverb — In Stereo
● The RV-5 Digital Reverb gives you six of BOSS's best reverbs — including spring reverb emulation, gate reverb, and an all-new "Modulate" mode — in a true stereo pedal



● Current Draw 50 mA (DC 9 V)

CE-5 Chorus Ensemble

The Original Chorus
● Produces everything from mild, natural chorusing to the penetrating stereo chorus popular in contemporary music ● Covers a wide frequency range and includes both high- and low-cut filters



● Current Draw 22 mA (DC 9 V)

CH-1 SUPER Chorus

A Unique Stereo Chorus
● Delivers a clean chorus sound with crystal-clear highs and a unique stereo effect, variable between the left and right speakers ● An EQ function adjusts the tonality of the chorus sound



● Current Draw 22 mA (DC 9 V)

for BASS

CEB-3 Bass Chorus

A Chorus Pedal with Built-in Crossover
● A split-frequency chorus capable of applying warm, rich chorus to higher frequencies without muddying the lows ● A space synthesis effect guarantees a natural and spacious chorus effect



● Current Draw 22 mA (DC 9 V)

RC-3 Loop Station USB

Stereo track looper with up to 3 hours of recording!
● Diverse loop performances with up to 99 phrases and approximately three hours of recording time ● True-stereo input and output. AUX IN accepts audio from MP3 players ● Connect to your PC via USB to import and export phrases



● Current Draw 70 mA (DC 9 V)

for BASS

LMB-3 Bass Limiter Enhancer

Smooth Tone, Every Time
● Smooths out your playing by eliminating harsh volume peaks, even when using dynamic slap and pop techniques ● Ratio and Threshold knobs allow precise control of limiting parameters



● Current Draw 17 mA (DC 9 V)

for BASS

SYB-5 Bass Synthesizer

Synth Power Under Your Foot
● Utilizing the latest in DSP technology, the SYB-5 faithfully reproduces the classic sound characteristics of analog synthesizers ● The 11 internal sounds are supercharged for thick, aggressive tone



● Current Draw 50 mA (DC 9 V)

AW-3 Dynamic Wah

Unbelievable "Talking" Wah Effects!
● The world's first compact pedal to produce human-voice type wah sounds using a "Humanizer" effect ● EXP Pedal mode allows foot control, plus dedicated Bass input for processing bass guitar



● Current Draw 50 mA (DC 9 V)

OC-3 SUPER Octave

The Ultimate Octave Pedal
● The OC-3 SUPER Octave puts new polyphonic octave effects, a Drive mode with distortion, and the original OC-2 effect in one convenient pedal that's ideal for bass, too



● Current Draw 50 mA (DC 9 V)

TR-2 Tremolo

Classic Tremolo Sounds!
● Reproduces the classic tremolo effects of vintage '60s amps using a Low Frequency Oscillator (LFO) ● LFO waveform is variable from triangle to square for producing a variety of classic tones



● Current Draw 20 mA (DC 9 V)

NS-2 Noise Suppressor

A "Must-Have" Pedal!
● Eliminate unwanted noise and hum without altering your tone ● A unique noise detection circuit preserves the natural attack and envelope, leaving your playing and dynamics intact



● Current Draw 20 mA (DC 9 V)

LS-2 Line Selector

Simplifies Your Setup
● The easy way to switch settings among several effects or amplifiers, or route input and output signals ● When used with an AC adaptor, the LS-2 can supply power to several BOSS compact pedals



● Current Draw 25 mA (DC 9 V)

TU-3 Chromatic Tuner

The New World-Standard Tuner Has Arrived
● Smooth 21-segment LED meter with a High-Brightness mode that cuts through the harshest outdoor glare ● Accu-Pitch Sign provides visual verification when tuning is complete



● Current Draw 30 mA (High Brightness mode: 85 mA)

BF-3 Flanger

The Flanger Gets a Face-Lift
● The thickest stereo flanging sounds ever in a BOSS pedal ● Ultra mode produces BOSS's deepest flanging sounds ever, while Gate/Pan creates spacious flanging with a cool Slicer effect that seems to "swirl" around the listener



● Current Draw 40 mA (DC 9 V)

DD-3 Digital Delay

Pro-Quality Delay in a Compact Pedal
● A powerful delay pedal with three distinct modes ● A variable Delay Time control creates delays from 12.5 ms to 800 ms, while a Hold function is capable of producing repeats from here to infinity



● Current Draw 35mA (DC 9 V)

DD-7 Digital Delay

The Next Step in Compact Delay
● The DD-7 takes the best features from its predecessors and expands the creative potential with Modulation Delay mode, classic modeled Analog Delay mode, external pedal control options, longer delay time, and more

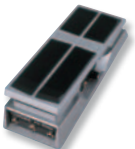


● Current Draw 55 mA (DC 9 V)

VOLUME PEDALS

FV-500H Foot Volume/Expression

The FV-500H (mono, high-impedance) volume pedal offers a new stylish design, a road-tough build, and a comfortable, smooth action.



● Control MINIMUM VOLUME knob ● Dimensions 110 (W) x 289 (D) x 72 (H) mm (4-3/8" x 11-7/16" x 2-7/8") ● Weight 1.6 kg/3 lbs 9 oz

FV-500L Foot Volume/Expression

The FV-500L (stereo, low-impedance) die-cast volume pedal is built for comfort and durability, ready to meet the needs of the most demanding pros.



● Control MINIMUM VOLUME knob ● Dimensions 110 (W) x 289 (D) x 72 (H) mm (4-3/8" x 11-7/16" x 2-7/8") ● Weight 1.6 kg/3 lbs 9 oz

FV-50H Volume Pedal

The high-impedance FV-50H is designed to be connected before guitar effect units in the signal chain.



● Control MINIMUM VOLUME knob ● Dimensions 86 (W) x 200 (D) x 54 (H) mm (3-3/8" x 7-7/8" x 2-1/8") ● Weight 400 g/15 oz

FV-50L Volume Pedal

The low-impedance FV-50L is designed for connection after effects units or for use with keyboards.



● Control MINIMUM VOLUME knob ● Dimensions 86 (W) x 200 (D) x 54 (H) mm (3-3/8" x 7-7/8" x 2-1/8") ● Weight 400 g/15 oz

Legendary Vintage Fender® Amps and Reverb Unit Reproduced via COSM!

Approved by Fender, the BOSS Legend Series employs COSM technology to reproduce the true tone of the '59 Bassman®, the '65 Deluxe Reverb®, and the '63 Fender Reverb. Proudly brought to you by BOSS, these pedals represent an exciting new concept in retro-modern compact effects.

—Legend Series—

- [Legend Series Specifications]
- Nominal Input Level -20 dBu ● Nominal Output Level -20 dBu
 - Power Supply DC 9 V: Dry Battery <6F22/6LR61 type>, AC Adaptor (PSA series: Optional)
 - Dimensions 73 (W) x 129 (D) x 59 (H) mm (2-7/8" x 5-1/8" x 2-3/8") ● Accessory Dry Battery
 - Option AC Adaptor (PSA series)

Officially licensed by Fender®

Fender® Corporation licensed the use of "Fender® Bassman™" to the BOSS FBM-1, "Fender® Deluxe Reverb®" to the BOSS FDR-1, and "Fender® Reverb" to the BOSS FRV-1. No other pedals carry this official license.

FBM-1 Bassman® COSM

Fender® Bassman® Pedal



- Recreates the legendary tone of the 1959 Fender Bassman amp
- Additional BRIGHT IN provides the classic bright sound, similar to the original Bassman
- Presence, Treble, Mid, and Bass EQ controls
- Road-tough BOSS metal construction
- Perfect as pre-gain pedal for adding or retaining Fender tone color

- Controls PRESENCE, MIDDLE, BASS, TREBLE, GAIN, LEVEL
- Current Draw 36 mA ● Weight 440 g/1 lb (incl. battery)

FDR-1 Deluxe Reverb® COSM

Fender® Deluxe Reverb® Amp Pedal



- Recreates the legendary tone of the 1965 Fender Deluxe Reverb guitar amp
- Level, Gain, Treble, Bass, Vibrato, and Reverb controls
- Road-tough BOSS metal construction
- Perfect as pre-gain pedal for adding or retaining Fender tone color

- Controls GAIN, LEVEL, TREBLE, BASS, VIBRATO, REVERB
- Current Draw 40 mA ● Weight 440 g/1 lb (incl. battery)

FRV-1 Fender® Reverb COSM

Fender® Reverb Pedal



- Recreates the legendary sound of the 1963 Fender Reverb via COSM technology
- Easy operation with three classic controls for Dwell, Tone, and Mixer for creating sounds from buttery warmth to sparkling twang
- Road-tough BOSS metal construction

- Controls MIXER, TONE, DWELL ● Current 37 mA
- Weight 420 g/15 oz (incl. battery)



Fender '59 Bassman

With its rich, fat, and present tone, Fender's classic '59 Bassman® is a staple of rock, country, and blues. Originally designed for bass, the all-tube Tweed amp became a hit with guitarists as well.



Fender '65 Deluxe Reverb

The '65 Fender® Deluxe Reverb® has been an icon of rock, country, and blues for decades. This famous tube amp provides excellent picking response, natural overdrive, supreme spring reverb, and vibrato.



'63 Fender Reverb

The Fender® Spring Reverb is the sound that launched the surf-music phenomenon, and is a staple of rockabilly, country, and blues. Later, it became commonplace in grunge and other modern genres.

LOOP STATION RC-30 DUAL TRACK LOOPER USB

Stereo 2-Track Looper with Effects



Also Great for BASS
Also Great for VOCAL

- Store up to 99 phrases, ultra-long recording time of up to three hours
- Two stereo channels for input and output
- USB 2.0 port allows you to connect to a PC and import/export WAV audio
- Built-in effects for processing loops ● Mic jack* for recording voices and instruments ● AUX IN jack for recording audio from your MP3 player ● Runs on batteries or optional AC power supply *Supports phantom power.

■ Built-In Loop Effect

BEND DOWN	This effect bends the pitch down rapidly.
STEP PHASER	This phaser varies the tone in a step-wise fashion.
SWEEP FILTER	This effect varies the frequency in sync with the tempo.
TEMPO DELAY	Tempo-synced delays.
Lo-Fi	Unique lo-fi effect.



SPACE ECHO RE-20 ROLAND SPACE ECHO RE-201 COSM

The Rebirth of a Roland Classic



- Amazing simulation of the famous Roland RE-201, with the spacious, analog tone
- Features include 11 types of echo and reverb effects
- The classic chorus effect produced through tape speed, compression, and saturation are meticulously reproduced
- Tap input pedal allows delay time to be set by foot



GIGA DELAY DD-20 DIGITAL DELAY

BOSS' Most Powerful Delay Pedal



Also Great for BASS

- Up to 23 seconds of delay with easy operation
- 11 delay modes including classic tape delay and sound-on-sound recording
- New "Smooth" and "Twist" modes for subtle or radical delay effects ● Memory function for changing delay modes seamlessly
- Push-button knob for setting delay time in fine or coarse adjustments

■ Mode

SOS	DUAL	TWIST	PAN
WARP	SMOOTH	TAPE	MODULATE
ANALOG	REVERSE	STANDARD	



SLICER SL-20 AUDIO PATTERN PROCESSOR

Instant Groove and Melody Maker



Also Great for BASS

- Instantly transform a guitar, bass, keyboard, or vocal into a pulsating groove instrument
- 50 slice patterns onboard, with adjustable attack and duration, including Harmonic Slice
- Up to 40-second recording/loop playback function ● Tap Tempo via onboard pedal switch; internal and MIDI sync ● Variety of output modes, including the unique 3D Panning for spacious sliced FX



ROTARY ENSEMBLE RT-20 ROTARY SOUND PROCESSOR COSM

Supreme Rotary-Speaker Simulator



- Authentic rotary speaker sounds by COSM technology
- 4 types of sounds, from standard rotary speaker effects to rock-oriented tones and more
- Slow/Fast transition time is adjustable from gradual to rapid change; optional Expression pedal can control speed in real time
- Onboard Overdrive effects ● Dazzling virtual-rotor display



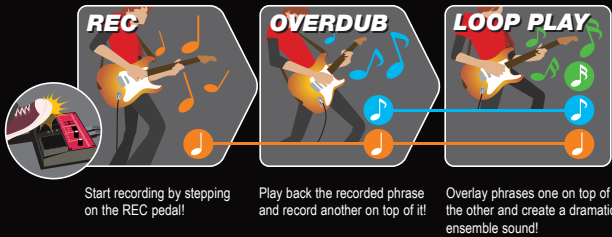
Double-barrel power, creativity, and control!

BOSS Twin Pedal series — dramatically enhance your power as a player with these unique tools!

Accelerate your creativity with a BOSS Loop Station!

With the most innovative, creative loop features on the planet, BOSS Loop Stations are a dream for guitarists, vocalists, and all instrumentalists!

Create dramatic solo performances by overlaying phrases one on top of the other!



LOOP STATION RC-300

USB

The Triple-Stereo Mega Looper



- Up to three hours of stereo recording and 99 onboard memories
- Three stereo tracks with dedicated footswitches and controls for each
- Dedicated fader per track
- 16 onboard effects optimized for looping
- Expression pedal for effects control in real time

● XLR microphone input with phantom power ● AUX IN jack for recording audio from your MP3 player ● USB storage; import/export WAV files



Built-in Loop Effects

TRANSPOSE	Transposes the sound when you turn the effect on.
FLANGER	Produces a metallic resonance reminiscent of a jet airplane taking off and landing.
PHASER	Gives the sound a swishing quality by adding a phase-shifted sound.
PAN	Moves the stereo position (pan).
TREMOLO	Cyclically modulates the volume.
SLICER	Repeatedly cuts the sound, transforming a conventional sound to create the impression of a rhythmic backing.
BEND	Produces pitch-up/pitch-down effects that can't be created using a guitar's tremolo arm.
CHORUS	Adds a slightly modulated sound to the direct sound, creating beautiful spaciousness and depth.
ROBOT	Adds robot-like qualities to the voice.
FEMALE	Makes the voice more feminine.
MALE	Makes the voice more masculine.
GT-BASS	Transforms a guitar sound into a bass sound.
FILTER	A filter with an extremely steep slope (a steep cutoff).
DELAY	Adds a delayed sound to the direct sound, giving the sound greater depth or creating special effects.
LO-FI	This effect intentionally degrades the sound to create a distinctive character.
DISTORTION	Distorts the sound to produce long sustain.

Loop Station RC-30 DUAL TRACK LOOPER

USB

Stereo 2-Track Looper with Effects and Support for Battery Power



Built-In Loop Effect

BEND DOWN	This effect bends the pitch down rapidly.
STEP PHASER	This phaser varies the tone in a step-wise fashion.
SWEEP FILTER	This effect varies the frequency in sync with the tempo.
TEMPO DELAY	Tempo-synced delays.
Lo-Fi	Unique lo-fi effect.

- Up to three hours of stereo recording time and 99 onboard memory phrases
- Two synchronized stereo tracks with true stereo I/O
- USB port allows you to connect to a PC and import/export WAV audio
- Built-in effects for processing loops

● MIC IN jack for recording voices and instruments ● AUX IN jack for recording audio from your MP3 player ● Runs on batteries or optional AC power supply



Loop Station RC-3

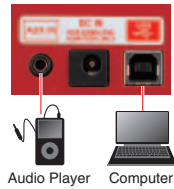
USB

State-of-the-Art Looper in a Compact Body



- Compact and powerful stereo stompbox looper
- Up to three hours of stereo recording time and 99 onboard memory phrases
- USB port allows you to connect to a PC and import/export WAV audio

● AUX IN jack for recording audio from your MP3 player ● Rhythm guide with real drums ● Runs on a single 9-volt battery or optional AC power supply



VE-5 VOCAL PERFORMER NEW

Attach a VE-5 to your mic stand, and operate the unit from an easily reachable distance while you perform.



- High-quality effects for vocalists, easy to operate
 - Perfect for live performances
 - Attach to your mic stand for convenient control onstage
 - Available in two color variations: white or red
- A variety of high-quality effects are onboard, including reverb, delay, dynamics, pitch correct, distortion, radio, and strobe for unique and impactful special effects ● 30 preset effects are easily accessible with a simple turn of a knob ● The handy Favorite Sound function lets you instantly access your preferred sounds with a press of button ● Phrase looper enables sound-on-sound solo performance with hands-free control via optional footswitch ● In addition to the balanced XLR/TRS microphone jack, a built-in microphone is provided as well ● Take it onstage and attach it to a microphone stand for real-time performance, or bring it to a studio or home and use it as a tabletop processor ● Battery operation makes it an ideal tool for street performers who want to bring a new dimension of creativity to their act



VE-5 Preset Sound List

No.	Sound Name	Features
01	BRIGHT ECHO	Pleasant echo
02	DEEP ECHO	Deep echo
03	ARENA	Simulates an enormous arena
04	CATHEDRAL	Deep and rich reverb
05	ENSEMBLE	Spacious ensemble sound
06	POP	For vocal definition
07	BALLAD	Ballad tone with reverb
08	ROCK	Rock sound also suitable for simple backing
09	JAZZ	Jazz club setting
10	HIP HOP	Processed vocal, lightly distorted
11	HARMONICA	Setting for harmonica; simulates amp distortion
12	SAXOPHONE	Setting for sax, with crisp reverb
13	5th HARMONY	Parallel-fifth harmony, suitable for many styles
14	3rd HARMONY	Parallel-third harmony, emphasizing the feel of the song
15	DOUBLE VOICE	Double-tracking effect simulates two voices
16	FOUR VOICE	Double-tracking effect and delay simulate four voices
17	UNISON	Unison sound that adds depth to your vocal
18	PitchCorrect	Natural-sounding pitch correction in semitone steps
19	CHROMATIC	Chromatic voice sound, pitch-corrected in stepwise fashion
20	ROBOT	Cyber-robot voice
21	ElectricTune	Stepwise pitch correction in large steps
22	DISTORTION	Vocal distortion
23	RADIO	Radio-voice sound ideal for instantly changing the atmosphere
24	STROBE	Rhythmic rap setting
25	CHORUS	Chorus effect for vocal depth
26	FLANGER	Flanger effect that adds a sense of modulation
27	HEAVY SCREAM	Hardcore vocal
28	SPACE LOUNGE	Outer space announcer
29	OPERA QUEEN	Lustrous high voice
30	REFRAIN	Distinctive echoed voice



The VE-5 can be attached to a mic stand.



You can store and call up your favorite sounds instantly.

VOCAL PERFORMER
VE-20 VOCAL PROCESSOR

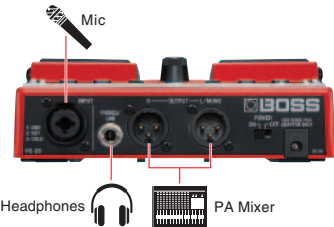
The Essential Stompbox for Vocalists



- Specialized effects for vocalists, including Double-Track, Dynamics, and more
- Create 3-part harmonies and layers
- Special FX, including distortion, radio and strobe
- Phrase Looper with 38 seconds of recording time
- Runs on six AA-batteries or optional AC adaptor

VE-20 Preset Sound List

No.	Sound Name	Features	No.	Sound Name	Features
01	HARD ROCK	A powerful preset suited for hard rock	16	5th HARMONY	Harmony in 5ths suited for a broad range of songs
02	POP	Great for pop songs with clear vocal distinction	17	3rd HARMONY	Beautiful harmonies in 3rds
03	BALLAD	Ideal for ballads with rich resonance	18	5th + DOUBLE	Harmony in 5ths + double-track effect
04	OLDIES	Suited for oldies from the '50s	19	3rd + DOUBLE	Harmony in 3rds + double-track effect
05	ROCK	Direct and full sound tailored for rock	20	3rd + 5th LOW	Harmony in 3rds and 5ths (two lower parts)
06	JAZZ	Create an intimate sound as if you're singing in a jazz club	21	3rd + 5th	Harmony in 3rds and 5ths (lower part and higher part)
07	ECHO	An echo effect that makes great use of short delays	22	3rd + 5th HIGH	Harmony in 3rds and 5ths (two higher parts)
08	ARENA	The sound of singing in a spacious arena	23	DISTORTION	Wild distortion effects
09	CATHEDRAL	The grand, stately reverberation you'd get in a cathedral	24	RADIO	Retro-sounding radio voice
10	HIP HOP	A great hip-hop sound with a touch of distortion	25	STROBE	Great for rhythmic phrases such as in rap
11	VOICE PERC	A crisp sound that's great for voice percussion	26	CHORUS	Chorus effects add a pleasant thickness to your sound
12	HARMONICA	Pleasant distortion for blues and rock harmonica	27	FLANGER	With its unique undulating effect, this was designed specifically for vocals
13	DOUBLE VOICE	Stack your vocals with this realistic double-track effect	28	PitchCorrect	Natural pitch correction in half-tone increments
14	TRIPLE VOICE	Add another voice to create a 3-part harmony	29	CHROMATIC	Pitch-corrected sound that's a staple of modern pop
15	6 VOICE	Combination of double-track and delay creates a 6-part sound	30	ROBOT	Robotic voice, a techno staple



BOSS Vocal Performer Effects



The all-in-one VE-20 and VE-5 provide a range of effects that are highly effective on vocals, including reverbs, delays, pitch correction, and double/harmony generation. Simply select from 30 types of presets with a simple turn of a knob, and store up to 50 of your own customized presets.



The VE-20 and the VE-5 support two types of power sources — batteries and optional AC adaptor — which lets you use it anywhere, indoors or out. The VE-20 can run up to eight hours on batteries, and 20 hours for the VE-5, so you can perform your entire setlist with confidence.



The onboard Phrase Looper lets you create dramatic live performances. Create a dense a cappella chorus layer by layer, for example, or overdub voice percussion to create human beatbox grooves on the fly.

New creativity for vocalists!

A singer's voice is a highly emotional and expressive musical instrument. The VE-5 and VE-20 Vocal Performer effects greatly enhance the sound and creativity of a singer's voice.





BOSS's floor-based multi-effect units embody our most advanced technologies.

From decades of accumulated research and development for the stage and studio, BOSS effects are the #1 choice of musicians around the globe. Driven by state-of-the-art COSM amp technology, the GT and ME series are a power-packed crystallization of technologies.

GT-100 COSM AMP EFFECTS PROCESSOR NEW

USB AUDIO

Powered by BOSS's latest custom DSP, the GT-100 delivers mind-bending power and performance. Welcome to the next generation of COSM!



- Advanced COSM amps that model vintage amp tones and delivers never-before-heard tones
- Dual-LCD for simple and intuitive operation with direct access to every parameter
- Improved EZ Tone feature with graphical Tone Grid for constructing new patches

- Advanced Amps excel in not only cloning classic amps, they also provide a new world of unimagined tone by delivering ultra-natural sounds considered to be physically impossible with existing amps.
- Vintage Amp mode reproduces 17 different types of masterpiece amps.
- A/B Channel Divide can be assigned different amps and effects to each channel.
- Equipped with Phrase Loop function with up to 38 seconds of recording time
- USB audio interface let you transfer the dynamic GT's sounds directly to your PC or Mac.



DUAL LCD



- With its dual LCD display, the GT-100 puts you in direct contact with the editing functions you need without having to switch screens. You can control the parameters on the right-side screen while viewing the audio routings on the left screen. The large LCD offers excellent visibility even on a dark stage.



- Switch between effects just as you would on a stompbox pedalboard.



- Display the tuner and metronome simultaneously.

EZ TONE



- The EZ Tone function makes complex editing fast and easy. Patch Create mode lets you design sounds based on musical genres and song concept. Amp Customize and OD/DS Customize let you tweak the characteristics of your amp and overdrive/distortion to your preference.

ACCEL PEDAL



- Step on the new Accel pedal and modulate your sound dynamically in real time. The pedal enables real-time control of multiple parameters simultaneously, as well as time-variant effects such as Feedbacker, S-Bend, Twist, etc.; Laser Beam and Warp add extreme effects that resemble synth tones.

PREAMP

ADVANCED	VINTAGE		CUSTOM
NATURL CLEAN	JC-120	BG DRIVE	
FULL RANGE	CLEAN TWIN	MS1959 I	
COMBO CRUNCH	PRO CRUNCH	MS1959 II	
STACK CRUNCH	TWEED	R-FIER VINTAGE	
HIGAIN STACK	DELUX CRUNCH	R-FIER MODERN	
POWER DRIVE	VO DRIVE	T-AMP LEAD	
EXTREM LEAD	VO LEAD	SLDN	
CORE METAL	MATCH DRIVE	5150 DRIVE	
	BG LEAD		

EFFECTS

EFFECTS	OD/DS		CUSTOM	FX1/FX2			
COMP	ADVANCED	VINTAGE		T. WAH	TONE MODIFY	HARMONIST	PAN
OD/DS	MID BOOST	BLUES OD		AUTO WAH	GUITAR SIM.	SOUND HOLD	SLICER
PREAMP	CLEAN BOOST	OD-1		SUB WAH	SLOW GEAR	AC.PROCESSOR	VIBRATO
EQ	TREBLE BST	T-SCREAM		ADV. COMP	DEFRETTER	PHASER	RING MOD.
FX1	CRUNCH	TURBO OD		LIMITER	WAVE SYNTH	FLANGER	HUMANIZER
FX2	NATURL OD	DIST		SUB OD/DS	SITAR SIM.	TREMOLO	2X2 CHORUS
DELAY	WARM OD	RAT		GRAPHIC EQ	OCTAVE	ROTARY	SUB DELAY
CHORUS	FAT DS	GUV DS		PARA EQ	PITCH SHIFTER	UNI-V	
REVERB	LEAD DS	DST+					
	METAL DS	METAL ZONE					
	OCT FUZZ	'60S FUZZ					
		MUFF FUZZ					

COSM — The Pinnacle of Modeling Technology

COSM amps not only reproduce the sounds of vintage masterpiece amplifiers, but also meticulously reproduce the playing feel and nuances of these amps. Enjoy the extensive range of vintage amps or create a custom amp that goes beyond the limitations of existing amps. Legendary to revolutionary — COSM is a powerful technology that generates amazing sounds with unrivaled expressiveness.



●Measuring sound in an anechoic chamber



●Characteristics of each of the amp's components are analyzed

The behaviors of individual components and circuitry have been modeled down to every detail.

The meticulous effort that goes into COSM modeling begins with carefully selecting the amp to model. When modeling vintage amps, we make sure to choose amps that are in the best condition. We take the individual components and circuits of these selected units, such as vacuum tubes and capacitors, and carefully analyze their electrical and tonal characteristics. We then accurately emulate these components through COSM's unique modeling technology. This results in a modeling amp that delivers the same behavior and tonal quality as the original amp.

Even speakers and cabinets have been painstakingly modeled.

We have also paid attention to the number of speakers the amp drives, the unique tone of these speakers, cabinet resonance, and tonal differences that are created with different mic setups. We have exploited COSM to the fullest in these aspects as well, carrying out repeated tests in anechoic chambers to gather enormous amounts of data from actual measurements. In addition to reproducing the amps' electrical characteristics, we have also meticulously reproduced their physical characteristics through COSM modeling.

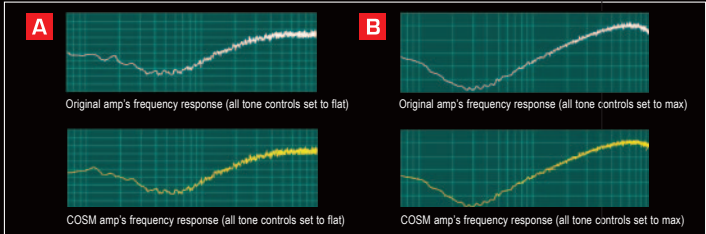
COSM amps reproduce the tonal variation of the original amp.

The sound of a COSM amp that is created through these processes exhibits the same behavioral characteristics as the original unit. Let's take a look for example at tone control, the core of the sound sculpting

process on an amp. Fig. A shows the curve when the tone control is set to flat. You can see that the curve of the COSM amp closely mimics the one from the original unit. In Fig. B, the BASS and TREBLE tone controls have

been fully turned up. As you can see, tweaking the knobs reproduces exactly the same variations in tone as its real-world counterpart.

Comparison of tone-circuitry behavior between the original and COSM amp



*All of the above illustrations are based on actual data.

Create your own amps that go beyond existing amps.

In 2012, BOSS introduces a revolutionary COSM amp that goes far beyond the realm of any modeling amp. Considered to be impossible on existing amps, the GT-100's Advanced Amp modeling offers exceptionally natural playing response. It comes with eight Advanced Amp types that faithfully reflect the unique characteristics of your guitar and picking nuances including "STACK CRUNCH" which combines the response of vintage combo amps with the powerful feel of stack amps, and "FULL RANGE" which delivers a broad frequency range for a very flat response. With superb sound quality and versatile tone control, COSM amps offer unprecedented, sublime playing experience.

ME-70
GUITAR MULTIPLE EFFECTS



Stompbox Ease with COSM Creativity



- Powerful COSM amps and BOSS pro effects onboard
 - Dedicated knobs for each parameter for fast, friendly operation
 - PHRASE LOOP function in DELAY section, with 38 seconds of recording time
 - EZ TONE for quick, easy editing
 - Four footswitches and Expression pedal
- The simple knob-based controls for each effect section makes dialing • Expression pedal lets you control effects such as Wah, +1 Octave and -1 Octave Pitch Bend, Voice, and Mod Rate • AUX IN allows jamming with a digital audio player • Built-in tuner • Runs on six AA batteries or optional AC adaptor



ME-25
GUITAR MULTIPLE EFFECTS



Powerhouse FX with Stompbox Simplicity



- SOUND LIBRARY provides extensive collection of ready-to-use tones
 - Powerful COSM amp models onboard, from classic to contemporary
 - SUPER STACK adds immensely heavy low-end and punch
 - Phrase Loop function with 38 seconds of recording time
 - Functions as a USB audio interface, Cakewalk SONAR LE software included
- Select a performance category and a variation; simple steps let you find the perfect sound quickly
• Six categories with 10 variations each for a total of 60 powerful sounds • Runs on six AA batteries or optional AC adaptor



Librarian software and additional
SOUND LIBRARY are downloadable!
» www.boss.info/sound/ME-25/

GT-10B
BASS MULTIPLE EFFECTS



Top-of-the-Line Bass Station



- Optimized for bass, with essential effects such as OD/DS, Comp/Limiter
 - COSM bass amps provides top-quality sounds without sacrificing richness and bottom of the bass tone
 - EZ Tone enables intuitive tone creation by using an interactive user interface based on graphic icons
 - Phrase Loop allows instant sound-on-sound loop creation
- Parallel Chain offers two separate effects paths that can be blended, switched by playing dynamics, or with the onboard pedals • USB capability offers audio- and MIDI-streaming in real time • Comes equipped with XLR outputs as well as 1/4-inch jacks



ME-50B
BASS MULTIPLE EFFECTS



Floor-Based Bass Multi-Effects Processor with Easy Control



- Powerful COSM Compressor/Limiter and EQ
 - Get creative with Filter/Tone and Drive/Synth features
 - High-quality Delay/Modulation and powerful Pedal FX
- Innovative Sound Hold function for sustaining a low note while playing on top • Sound On Sound recording with new Kick Drum effect for keeping time • Dedicated knobs for each effect section—no menu-surfing! • Easy Tone effects with Preset EQ templates for quick tone editing



ME-20B
BASS MULTIPLE EFFECTS



Performance-Based Effects for Bass



- A wide variety of effects for bass, including compressor, distortion, T-Wah, chorus, delay, defretter, synth, and more
 - EZ EDIT lets you create sounds quickly and intuitively
 - BASS ENHANCE function for instant presence boost
- Easy-to-use interface with BOSS tone and quality • Unique effects such as Synth, Octave, Defretter, and more • 30 user memory locations • AUX IN allows jamming with an audio player • Battery or AC powered • Built-in tuner



Jam with your favorite songs and rock like a pro!
Feel the power of COSM FX and full-range 2.1 sound!

Connect your guitar to eBand for the ultimate jam-along experience!



■ Plug in and start jamming right on the spot.
Experience live-performance power with dynamic 2.1-channel sound!

Jam along with hundreds of onboard songs. eBand JS-10 is self contained and small but fills the room with full-range sound from its 2.1 sound system and pro BOSS effects. Rock your living room or bedroom as if you're on a concert stage.



●eBand's internal subwoofer delivers powerful, dynamic sound

■ Capable of storing up to 4,000 of your favorite songs.

The eBand Song List Editor application lets you import songs from your CDs or audio files via your PC. Store up to 4,000* of your favorite songs and jam along with your own custom library.

*eBand Supports SDHC memory cards up to 32GB.

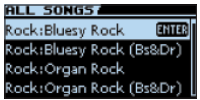
Supported operating systems:

●Windows® XP SP3 or later / Vista® SP2 or later / 7 ●Mac OS X v10.4.3 or later / v10.5 / v10.6 / v10.7

■ Over 350 high-quality backing tracks included.

eBand is pre-stocked with over 350 backing tracks optimally suited for guitar playing, from simple 3-chord songs to full arrangements.

A wide range of genres is onboard — from rock and blues to jazz, Latin, country, and more. Also included are variations for bass, as well as for bass + guitar jams.



● Song List

■ Pro BOSS effects built in.

Get creative with the awesome BOSS effects built into eBand JS-10 (equivalent in quality to the flagship GT-100), including a coveted collection of COSM guitar amps. You can easily customize the amps and effects to create your own unique sounds.

Design your sounds in detail, or skip menus of setup options and jump to the EZ Edit mode. In the EZ Edit mode, just choose a music genre and a preset tone, and then steer the pointer on the matrix table until you find the right sound. Each song can store its own effect settings, so all you have to do is select the song and play.



●Wide range of GT-100-class effects built in

●EZ Edit lets you quickly and intuitively create the perfect tone

■ Dual input channels let two musicians jam together.

Enjoy jams with your family and friends in combinations such as twin guitar, guitar + bass, or guitar + vocal. Since eBand lets you assign individual effects to each input, you can dial up custom sounds for each musician.



■ Recording your performance is a snap.

To capture your jams digitally, simply press the REC button anytime you wish. The Preview function lets you check your recording without actually saving it as a file. This is a handy feature when you want to re-record your takes multiple times. eBand also has features to assist you in practicing, such as Center Cancel for "minus-one" style play along, an AB repeat function for looping a particular part of a song, a speed variation feature for changing the tempo without changing the pitch, and pitch variation feature for changing key signature without changing tempo.



■ USB and AUX IN jacks expand creativity.

In addition to its many cool play-along features, eBand can also be used as a USB audio interface. This means you can record your eBand jams into your favorite computer DAW program. Conversely, you can mix the playback from your computer with your live performance and record it into eBand. You can also use eBand as a real-time USB streaming mixer, and as a player of audio files* stored on USB memory. eBand's AUX IN jack allows easy connection to an external audio player.



*WAV and MP3 formats supported.

eBand JS-10 AUDIO PLAYER with GUITAR EFFECTS

NEW

COSM

TRUSTED BY
guitarists

2.1

ASIO

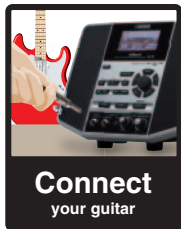
USB AUDIO

USB MEMORY

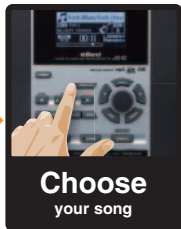
MP3 (SD Memory Card Included)

eBand, the popular audio player for guitarists, is more powerful than ever!

- Plug in and jam ... it's that easy
- eBand can store and play back up to 4,000 WAV or MP3 files
- The included SD card is loaded with backing tracks — over 350 songs
- Equipped with authentic GT-100-class COSM amp and BOSS effects
- Two inputs allow dual-musician jams
- 2.1-channel sound system with subwoofer delivers powerful sound



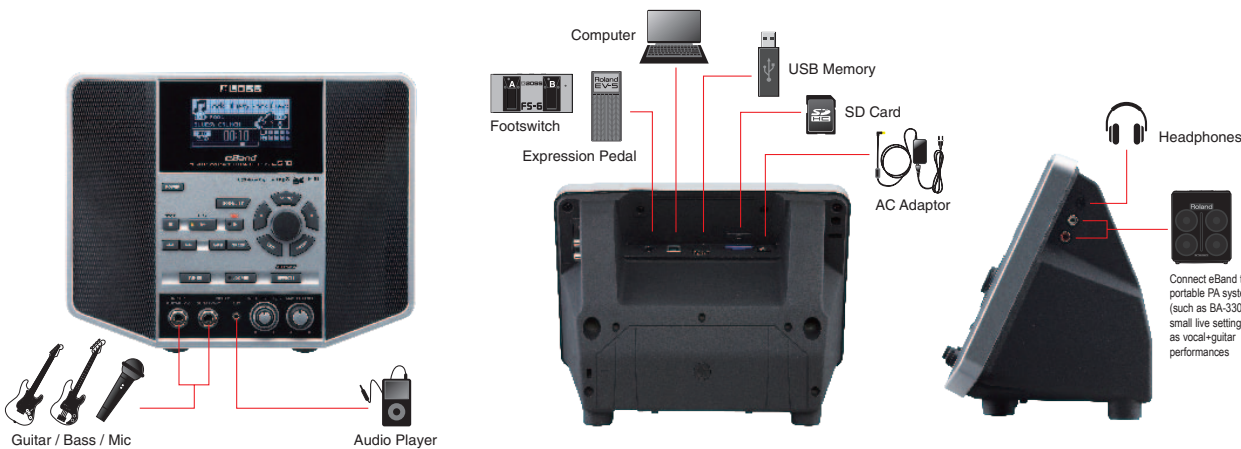
Connect your guitar



Choose your song



Jam along with pro-class sound and power!



For first-timers and pros alike — easily create pro-quality music.

Founded on powerful built-in COSM effects and realistic rhythm sections, the user-friendly BR series empowers all musicians to create pro-quality songs with ease of use. Choose the model that suits your needs from this extensive line-up.



MICRO BR BR-80 DIGITAL RECORDER



The ultimate new portable recording and jam-along tool for guitarists



- Three modes: MTR (multi-track recorder), eBand, and Live Rec
- 64 V-Tracks and eight simultaneous playback tracks
- eBand function for phrase training and play-along tracks
- World-class COSM amps and effects onboard
- USB audio interface onboard, bundled with SONAR LE for PC

Jamming
[eBand mode]

eBand mode for phrase training and play-along sessions

• Store up to 4,000 songs on an SD card, practice and jam along • The “Best 30” function lets you instantly access your favorite songs • Over 300 types of backing and rhythm files for practice are onboard • Center Cancel function to minimize the guitar part from pre-recorded songs

Record
[LIVE REC mode]

Record your band performances or ideas

- Simple operations let you record instantly when inspiration strikes
- Choose between MP3 and WAV formats for recording • Equipped with a high-quality stereo condenser mic • Accepts SDHC card up to 32 GB for long recordings • 3 ways of power; batteries, AC adaptor* or USB bus power • PSA series sold separately.



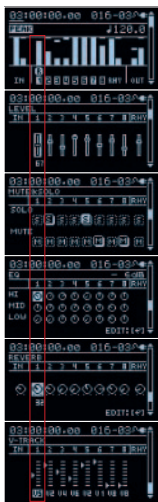
Compose
[MTR mode]

Create fully produced songs

- 64 V-tracks with support for 8-track simultaneous playback
- Independent rhythm track with a wide range of built-in rhythm patterns • A diverse lineup of effects for guitars and vocals are onboard • Large display, dedicated buttons designed for ease of use

- Extensive Range of Multi-effects for Specific Instruments
- Built-in COSM amps and effects let you create authentic and expressive sounds • The BR-80’s vocal effects are directly inherited from the VE-20

- Compatible with PC-based Music Production
- USB audio interface let you transfer the dynamic guitar sounds directly to your PC or Mac • Bundled with SONAR X1 LE software for producing music on your PC



Mixer screen
Check all settings for a single track with simple scrolling.

BR-800 DIGITAL RECORDER



For Guitarists, for Vocalists, the Hands-on Music-Production Solution



- 4-track simultaneous recording, 8-track simultaneous playback plus dedicated rhythm track
- EZ Recording interactively guides through the recording process
- Powerful guitar, bass, and vocal effects derived from BOSS’s flagship processors
- Song Sketch recording for quick stereo capture in WAV format
- Built-in advanced drum machine with editor software • Loop Recording function — a convenient tool for songwriting • Functions as a USB audio interface and DAW control surface • Cakewalk SONAR LE software with audio loops included • Built-in stereo condenser microphone • Runs on six AA batteries/USB bus power/AC adaptor (included)



BR-1200 CD DIGITAL RECORDING STUDIO

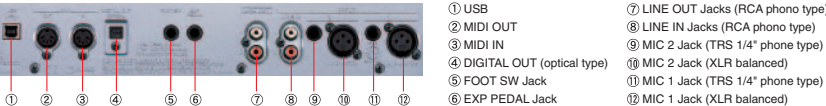


The Versatile, Power-Packed 12-Track Recorder



- 2-track simultaneous recording, 12-track simultaneous playback
- Built-in CD-burner and mastering effects for CD-quality mixes
- Famous BOSS COSM amps and effects onboard

- High-quality rhythm section with EZ Compose function • Vocal Toolbox provides pitch correction and harmony generator



BR-1600 CD Version 2 DIGITAL RECORDING STUDIO

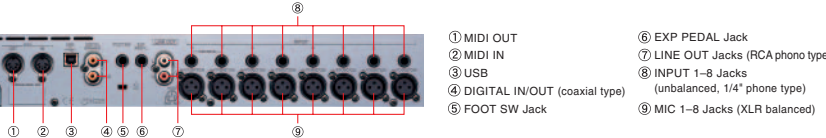


Pro Features Meet Ease of Use



- 8-track simultaneous recording, 16-track simultaneous playback
- Eight XLR microphone inputs with phantom power
- Pro-quality COSM amps and effects onboard

- High-quality rhythm section built in • Vocal Tool Box lets you create realistic harmony parts
- CD-burning capability with mastering effects



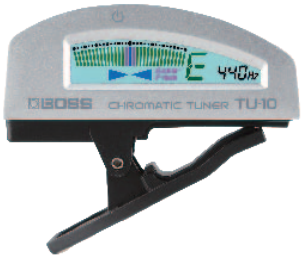
The world-standard family of tuners ... BOSS TU

The BOSS TU series has become the world standard tuner for solid, reliable, and friendly operation. BOSS proudly provides an extensive line-up of TU products, ranging from clip-on and tabletop models to pedal- and floor-based units.

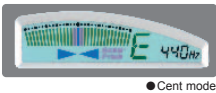


TU-10 CLIP-ON CHROMATIC TUNER NEW

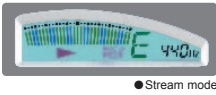
Clip-On Tuner with “True” Color Display



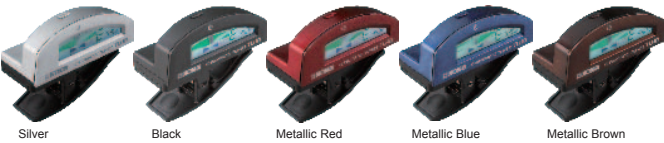
- Proven BOSS quality and reliability in a clip-on format
- Dramatic advancement of visibility with multi-color LCD
- Flat tuning up to 5 semitones
- Accu-Pitch function, and Stream mode



● Cent mode



● Stream mode



TU-1000 STAGE TUNER

Pro-Caliber Tuning for the Stage Floor



- Large, high-intensity LED meter, great for dark stages and outdoor gigs
- Flat Tuning support of up to six half-steps
- Power can be turned on/off remotely via footswitch

- Chromatic, Guitar, and Bass modes, plus Open Tuning mode for DADGAD, Open D/E/G/A, Drop D tunings, etc



● Illuminated blue BOSS logo on the rear panel

TU-3 CHROMATIC TUNER

The World-Standard Pedal Tuner



- 21-segment LED meter with brightness control
- High-Brightness mode enhances meter visibility outdoors
- Flat tuning up to six semitones below standard pitch
- Accu-Pitch Sign function provides visual verification when tuning is complete

- Chromatic and Guitar/Bass mode (with support for 7-string guitars and 6-string basses)
- Two meter-display modes: Cent and Stream
- Signal is automatically muted when the tuner is on
- Supplies power for up to 7 BOSS compact effect pedals

TU-12EX CHROMATIC TUNER

Famous TU-12 Features with Exciting Enhancements



- 23.9 mm thick body for easy storage in guitar cases
- Flat Tuning of up to six half-steps down
- Accu-Pitch verification with an audible beep

- Oversized needle indicator for superb visibility plus LED tuning guide
- Extended tuning range of E0-C8 for a variety of instruments
- High-sensitivity built-in mic provides accurate and stable tuning for acoustic instruments
- Auto power off prolongs battery life

TU-88 MICOR MONITOR & TUNER

Triple-Function Tuner for Guitar and Bass



- Three tuning modes; Chromatic, Guitar and Bass
- Built-in headphone amp lets you tune, warm up, and check your effects in private
- Built-in metronome with selectable rhythmic patterns and volume control

- Chromatic and Guitar/Bass mode (with support for 7-string guitars and 6-string basses)
- Flat Tuning function, and Accu-Pitch verification with an audible beep
- MIX IN allows jamming with an external audio player
- Available in black or white

TU-12BW CHROMATIC TUNER

Designed Exclusively for Brass and Wind Instruments



- Reference Pitch allows for long-tone practice
- Quick Response mode offers faster needle response
- Includes clip-on contact mic and music-stand attachment bracket

- Needle-accurate metering
- Accu-Pitch provides audible verification of tuning



● Holder attached to music stand



● Clip-on contact mic attaches to the bell of the instrument

TU-80 TUNER & METRONOME

The Pocket-Sized TU-80 Provides Tuning + Metronome



- Smooth, high-resolution needle-style LCD meter
- Supports chromatic tuning, plus 7-string guitars and 6-string basses
- Metronome features eight rhythm styles

- Accu-Pitch function sounds a tone when tuning is complete
- Flat tuning of up to 5-steps below
- Available in black or white

AD SERIES

AD-8 ACOUSTIC GUITAR PROCESSOR

COSM

Models Six of the World's Finest Acoustics!



- Floor-based acoustic guitar processor featuring COSM Acoustic Modeling technology
- Turns ordinary piezo-equipped guitars into six of the world's finest acoustics
- Body and String Enhance controls simulate warm, miked acoustic sounds

- Sculpt your tone with high-quality reverb and 4-band EQ
- Auto Anti-Feedback function eliminates feedback instantly
- 4 preset memory locations for switching acoustic sounds instantly
- Balanced XLR outputs allow direct connection to PA systems
- Battery or AC powered, chromatic tuner onboard



AD-3 ACOUSTIC INSTRUMENT PROCESSOR

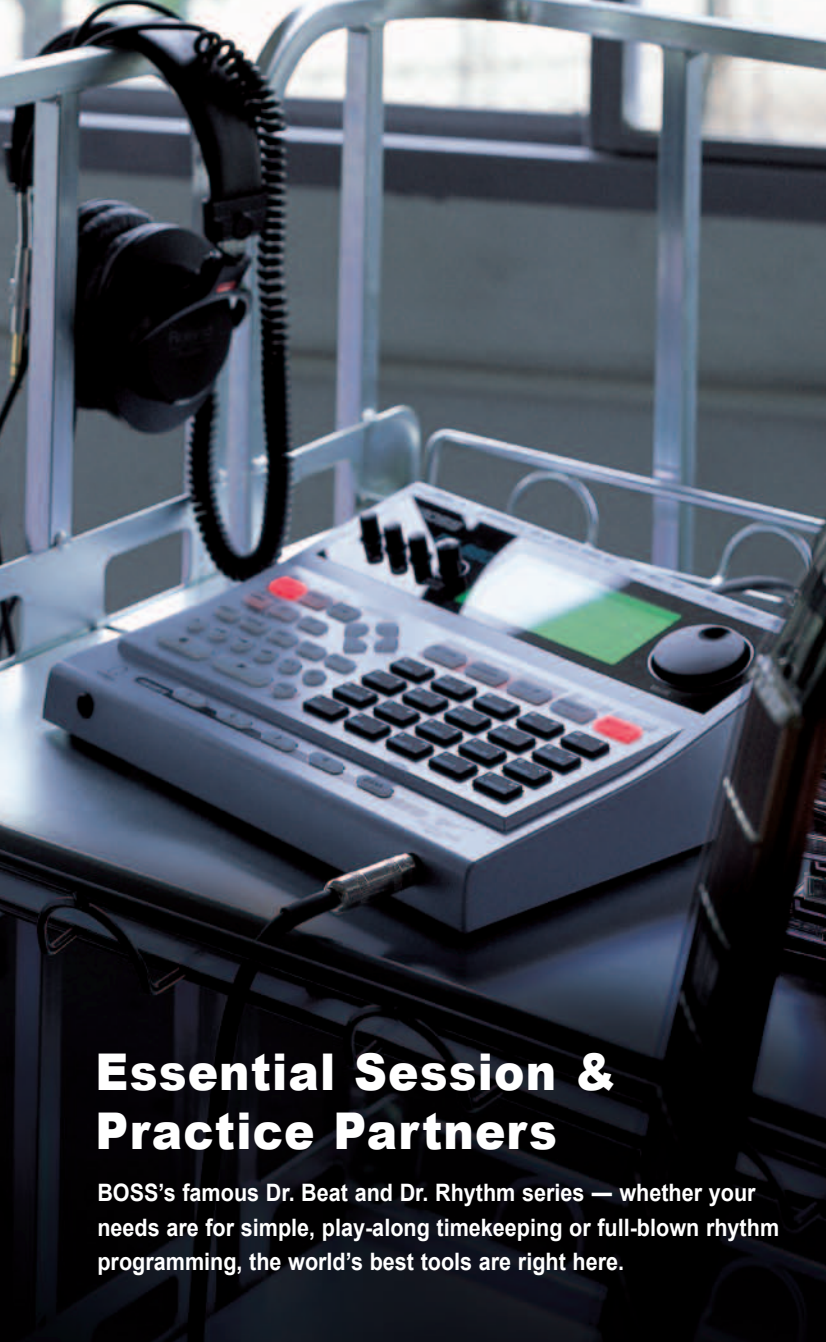
Floor-Based Acoustic Processing



- Compact acoustic instrument processing pedal developed exclusively for gigging acoustic-electric guitarists
- Bi-Stereo Chorus offers split-frequency processing (Low and High) for natural, smooth chorus effect
- “Bottom” and “Top” controls offer variable tonal shaping to eliminate “dry” sound from piezo pickups and add rich, resonant lows and brilliant highs as desired

- Stereo balanced outputs allow for direct connection to PA
- Dual Anti-Feedback function can be manually set to eliminate feedback
- Battery or AC powered, chromatic tuner onboard

DR & DB SERIES



Essential Session & Practice Partners

BOSS's famous Dr. Beat and Dr. Rhythm series — whether your needs are for simple, play-along timekeeping or full-blown rhythm programming, the world's best tools are right here.

IDR-880

Dr. Rhythm

COSM TSC USB

World's Best Rhythm Machine



- 440 world-class drum and percussion sounds, 40 bass sounds
- EZ Compose allows complex patterns to be constructed without note-by-note programming
- Guitar/bass input, plus multi-effects and COSM amp models
- Three independent insert effects (EQ and compression), TSC featuring dynamics and high-quality ambience
- 1,000 patterns (500 preset, 500 user); easily add fills, ghost notes, chord progressions, and more
- Digital and individual outputs; USB port for importing SMFs

IDR-3

Dr. Rhythm

TSC BATTERY POWERED

Your Own Personal Drummer



- BOSS' most affordable drum machine for jamming or practice
- Realistic drum, percussion and bass sounds with velocity-sensitive pads
- Rhythm Progressions with 3 variations each for Intro, Verse, Fill and Ending
- TSC with Sound Shape function and Ambience for professional drum sounds
- 100 preset styles and 100 user styles programmable via realtime or step recording
- TSC with Sound Shape function and Ambience for professional drum sounds
- Footswitch input for easy live control; runs on battery power or optional AC adaptor

IDB-90

Metronome Dr. Beat

The Versatile and Professional Dr. Beat



- Quick rhythm customizing with Note Mixing function
- Rhythm Coach features four training modes to help build your accuracy, speed, and endurance
- 4 metronome (including human voice) sounds
- Practice with the Rhythm Coach by connecting a Roland V-Pad (optional)
- Direct connection with guitar and bass, plus headphone monitoring

IDB-60

Metronome Dr. Beat

More Than Just a Metronome



- Note-Mixing function lets you create new rhythms quick and easy
- A variety of rhythm patterns such as 8-beat grooves, waltz, bossa nova, and more
- Tap Tempo, Timer, and Stopwatch functions
- Standard Pitch function for tuning instruments

IDB-30

Metronome Dr. Beat

The Take-Along Timekeeper



- Portable, ruggedly built, and packed with fun play-along patterns
- 24 beat variations with complex beats, and 9 rhythm patterns including "CLAVE"
- Large LCD with smooth tempo meter
- Tap-tempo feature
- 12 internal chromatic reference tones
- Convenient Phones jack and Auto Power-Off function

OTHER EQUIPMENT

IBCB-60

Pedal Board



*Compact pedals and tuner are not included.

- Lightweight and tough pedal board for transporting a range of compact pedals and effects
- Padded interior can be customized to fit anything from a compact pedal to Twin Pedal
- Onboard AC adaptor for powering up to 7 devices; includes all cabling

- Power Supply DC 9 V: AC Adaptor
- Dimensions 670 (W) x 370 (D) x 100 (H) mm (26-7/16" x 14-5/8" x 3-15/16")
- Weight 3.8 kg/8 lbs 7 oz
- Accessory AC Adaptor, Pre-cut Insert x 3, Spare Insert x 1, 8-pin Parallel DC Cord, L-L Cable (short) x 5, L-L Cable (long) x 3

IBA-BR80S

Silicone Case/Pouch Set for BR-80



*BR-80 is not included.

- Made of soft silicone rubber, this case guards against dirt and scratches, and keeps the MICRO BR BR-80 from slipping on smooth surfaces
- Custom pouch is also cushion-lined to absorb impact

IAB-2

2-way Selector



- Affordable A/B selector with 1-click operation and silent switching
- 2-way selector for using A/B input with one output, or vice-versa
- Instantly change guitars, effects setups or amplifiers, or switch between an amp and tuner

IEV-5

Expression Pedal

Roland



- Can be used to control a range of functions and effects parameters in real time
- Compact, travel-friendly body fits perfectly onto guitar pedalboards

IBCB-30

Pedal Board



*Compact pedals are not included.

- Holds up to three BOSS compact pedals
- Comes with audio cables for connection between pedals
- Comes with parallel DC cord to power three compact pedals (with optional AC adaptor: PSA-series)

- Dimensions 330 (W) x 300 (D) x 81 (H) mm (13" x 3-3/16" x 11-13/16")
- Weight 1.2 kg/2 lbs 11 oz
- Accessory 4-pin Parallel DC Cord, L-L Cable (130 mm) x 2
- Option AC Adaptor (PSA-series)

IBA-PC15

Earphones/Guitar Cable Set



- Two essential items for MICRO BR BR-80 owners for recording on the go: high-quality in-ear stereo headphones and a 5' (1.5m) guitar cable with gold-plated connectors

IFS-5U

Footswitch



- A metal-cased momentary "unlatch"-type footswitch
- Can be connected using an ordinary guitar cable

IDI-1

Direct Box



- High-quality direct box with crystal-clear sound for transforming high-impedance, unbalanced instrument outputs to the low-impedance, balanced inputs of a mixing console
- Frequency Response 20 Hz to 40 kHz (+0.5/-1 dB)
- Nominal Input Level -20/0/+20 dBu (selectable)
- Max. Input Level +45 dBu (1 kHz), 390 Vp-p
- Max. Output Level +8 dBu (Balanced: 600 Ω load, Unbalanced: 50 k Ω)
- Residual Noise -110 dBu or less (IHF-A)
- Total Harmonic Distortion 0.05 % or less
- Current Draw 6 mA
- Power Supply DC 9 V: Dry Battery <6F22/6LR61 type>, Phantom Power 24 V to 48 V DC
- Dimensions 97 (W) x 125 (D) x 46 (H) mm (3-13/16" x 4-15/16" x 1-13/16")
- Weight 480 g/1 lb 1 oz

IPCS-20A

8-pin Parallel DC Cable Roland



● 8 x DC Plug; 1 m

IPCS-31L

Audio Cable Roland

● Stereo 1/4" \leftrightarrow 2 x 1/4"; 2.2 m

IMSC-50/25/15

MIDI Cables Roland

● 5.0/2.5/1.5 m

IPSA-series

AC Adaptor

IBA-CB3

Carrying Bag



- Ideal for transporting BOSS products such as the GT-10B and BR-1200CD
- Features internal compartments for power adaptors and cables, a shoulder strap and hand-carry handles

IFS-6

Dual Footswitch



- Combines latch- and momentary-type switching into one unit
- Each footswitch can be assigned latch- or momentary-type
- Can be connected to other footswitches (FS-5L/FS-5U/FS-6/AB-2) for extension

IFS-5L

Footswitch



- A metal-cased latch-type footswitch with a LED to indicate status
- Can be connected with a standard guitar cable

IRH-300

Stereo Headphones

Roland



- Roland's top-of-the-line headphones for the ultimate in sound quality
- Newly developed driver provides ultra-wide frequency range
- Snug fit shuts out external sound

SPECIFICATIONS

TWIN PEDAL SERIES

[Twin Pedal Specifications]

- Power Supply DC 9 V: Dry Battery <AA type> x 6, AC Adaptor
- Dimensions 173 (W) x 158 (D) x 57 (H) mm (6-13/16" x 6-1/4" x 2-1/4")

DD-20		P13
Memories	4	
Nominal Input Level	GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu	
Nominal Output Level	-20 dBu	
Current Draw	200 mA	
Weight	1.2 kg/2 lbs 11 oz (incl. batteries)	
Accessories	Dry Battery <LR6 (AA) type> x 6	
Option	AC Adaptor (PSA series)	

RE-20		P13
Nominal Input Level	-20 dBu (INPUT VOLUME knob: center), max +4 dBu	
Nominal Output Level	-20 dBu	
Current Draw	75 mA	
Weight	1.2 kg/2 lbs 11 oz (incl. batteries)	
Accessories	Dry Battery <R6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Expression Pedal (Roland EV-5)	

SL-20		P13
Nominal Input Level	-20 dBu	
Nominal Output Level	-20 dBu	
Current Draw	110 mA	
Weight	1.1 kg/2 lbs 7 oz (incl. batteries)	
Accessories	Dry Battery <R6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Expression Pedal (Roland EV-5)	

RT-20		P13
Nominal Input Level	-20 dBu	
Current Draw	85 mA	
Weight	1.1 kg/2 lbs 7 oz (incl. batteries)	
Accessories	Dry Battery <R6 (AA) type> x 6	
Option	AC Adaptor (PSA series)	

LOOP STATION

RC-300		P14-15
Nominal Input Level	MIC IN: -50 dBu (variable), INST IN: -10 dBu (variable), AUX IN: -20 dBu (variable)	
Nominal Output Level	MAIN: -10 dBu, SUB: -10 dBu	
Input Impedance	MIC IN: 4 kΩ, INST IN: 1 MΩ, AUX IN: 47 kΩ	
Output Impedance	2 kΩ	
Recommended Load Impedance	10 kΩ or greater	
Recording/Playback	Maximum Recording Time: Approximately 3 hours (stereo), Maximum Phrase Memory: 99, Number of tracks: 3, Data Format: WAV (44.1 kHz, 16-bit linear, stereo)	
USB Interface	Hi-Speed USB (USB Mass Storage Class), Hi-Speed USB (USB-AUDIO)	
Displays	7 segments, 2 characters (LED), 16 characters, 2 lines (backlit LCD)	
Power Supply	DC 9 V: AC Adaptor	
Current Draw	Maximum 320 mA (DC 9 V)	
Dimensions	536 (W) x 231 (D) x 76 (H) mm (21-1/8" x 9-1/8" x 3")	
Weight	3.9 kg/8 lbs 10 oz	
Accessories	AC Adaptor, USB cap	
Options	Footswitch (FS-5U, FS-6), Expression Pedal (FV-500L, FV-500H, Roland EV-5)	

RC-30		P13, P14-15
Nominal Input Level	MIC IN: -40 dBu (variable), INST IN: -20 dBu, AUX IN: -10 dBu	
Nominal Output Level	-20 dBu	
Recording/Playback	Maximum Recording Time: Approximately 3 hours, Maximum Phrase Memory: 99 phrases, Number of tracks: 2, Data Format: WAV (44.1 kHz, 16-bit linear, stereo)	
USB Interface	Hi-Speed USB mass storage device class	
Power Supply	DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional) * Rechargeable Ni-MH batteries cannot be used.	
Current Draw	Maximum 195 mA (DC 9 V)	
Dimensions	173 (W) x 158 (D) x 57 (H) mm (6-13/16" x 6-1/4" x 2-1/4")	
Weight	1.2 kg/2 lbs 11 oz (incl. batteries)	
Accessories	Dry battery <LR6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6)	

RC-3		P11, P14-15
Nominal Input Level	INPUT: -20 dBu, AUX IN: -10 dBu	
Nominal Output Level	-20 dBu	
Recording/Playback	Maximum Recording Time: Approximately 3 hours, Maximum Phrase Memory: 99 phrases, Number of tracks: 1, Data Format: WAV (44.1 kHz, 16-bit linear, stereo)	
USB Interface	Hi-Speed USB mass storage device class	
Power Supply	DC 9 V: <LR61 type>, AC Adaptor (PSA series: Optional) * Rechargeable Ni-MH batteries cannot be used.	
Current Draw	70 mA (DC 9 V)	
Dimensions	73 (W) x 129 (D) x 59 (H) mm (2-7/8" x 5-1/8" x 2-3/8")	
Weight	450 g/1 lb (incl. battery)	
Accessory	Dry battery <LR61 type>	
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6)	

VOCAL PERFORMER

VE-5		P16-17
Nominal Input Level	MIC IN: -40 dBu (Mic Sens = 40), AUX IN: -20 dBu	
Input Impedance	MIC IN: 4 kΩ, AUX IN: 22 kΩ	
Nominal Output Level	XL R OUT: -40 dBu PHONES/LINE: -20 dBu	
Output Impedance	XL R OUT: 600 Ω PHONES/LINE: 33 Ω	
Memory	Sound: 50	
Effect Types	DYNAMICS, PITCH CORRECT, TONE/SFX, DOUBLEHARMONY, DELAY, REVERB	
Phrase Loop	38 sec. (Mono only)	

Power Supply	Rechargeable Ni-MH Battery <HR6 (AA) type> x 4 or Alkaline <LR6 (AA) type> x 4, AC Adaptor (PSA series: Optional)
Current Draw	190 mA (9 V max.)
Dimensions	178 (W) x 108 (D) x 55 (H) mm (7-1/16" x 4-1/4" x 2-3/16"), 178 (W) x 159 (D) x 55 (H) mm (7-1/16" x 6-5/16" x 2-3/16") (including mic stand holder)
Weight	460 g/1 lb 1 oz (including batteries), 700 g/1 lb 9 oz (including batteries and mic stand holder)
Accessories	Mic Stand Holder, Audio Cable (Stereo miniature phone type, Cable tie attached), Alkaline Battery <LR6 (AA) type> x 4
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6)

VE-20		P16-17
Nominal Input Level	-40 dBu (Mic Sens = 40)	
Nominal Output Level	-40 dBu, PHONES/LINE: -25 dBu	
Memory	Sound 30 (Preset) + 50 (User)	
Power Supply	DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional)	
Current Draw	190 mA	
Dimensions	173 (W) x 158 (D) x 57 (H) mm (6-13/16" x 6-1/4" x 2-1/4")	
Weight	1.1 kg/2 lbs 7 oz (incl. batteries)	
Accessories	Dry Battery <LR6 (AA) type> x 6	
Option	AC Adaptor (PSA series)	

FLOOR MULTI EFFECTS

GT-100		P18-19
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	INPUT: -10 dBu, RETURN: -10 dBu, AUX IN: -20 dBu	
Input Impedance	INPUT: 1 MΩ, RETURN: 100 kΩ, AUX IN: 47 kΩ	
Nominal Output Level	OUTPUT: -10 dBu+4 dBu, SEND: -10 dBu	
Output Impedance	OUTPUT: 2 kΩ, SEND: 2 kΩ	
Dynamic Range	100 dB or greater (IHF-A)	
Power Supply	DC 9V: AC Adaptor	
Current Draw	600 mA	
Dimensions	542 (W) x 271 (D) x 80 (H) mm (21-3/8" x 10-11/16" x 3-1/16"), Maximum height: 542 (W) x 271 (D) x 102 (H) mm (21-3/8" x 10-11/16" x 4-1/16")	
Weight	4.8 kg/10 lbs 10 oz	
Accessories	AC Adaptor, USB Cap	
Options	Footswitch (FS-5U, FS-6), Expression Pedal (FV-500L, FV-500H, Roland EV-5)	

ME-70		P20-21
AD Conversion	24 bits + AF method*	
DA Conversion	24 bits	
Sampling Frequency	44.1 kHz	
Program Memories	36 (User) + 36 (Preset)	
Nominal Input Level	GUITAR/INPUT: -10 dBu, AUX IN: -18 dBu	
Input Impedance	INPUT: 1 MΩ, AUX IN: 22 kΩ	
Nominal Output Level	-10 dBu	
Output Impedance	2 kΩ	
Power Supply	DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional)	
Current Draw	130 mA	
Dimensions	384 (W) x 229 (D) x 74 (H) mm (15-1/8" x 9-1/16" x 2-15/16"), Maximum height: 384 (W) x 229 (D) x 100 (H) mm (15-1/8" x 9-1/16" x 3-15/16")	
Weight	3.5 kg/7 lbs 12 oz (incl. batteries)	
Accessories	Dry Battery <LR6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6), Footswitch Cable (Roland PCS-31L)	

ME-25		P20-21
AD Conversion	24 bits + AF method*	
DA Conversion	24 bits	
Sampling Frequency	44.1 kHz	
Program Memories	60	
Sound Library	60	
Nominal Input Level	INPUT: -10 dBu, AUX IN: -18 dBu	
Input Impedance	INPUT: 1 MΩ, AUX IN: 22 kΩ	
Nominal Output Level	-10 dBu	
Output Impedance	2 kΩ	
Power Supply	DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional)	
Current Draw	150 mA	
Dimensions	300 (W) x 191 (D) x 72 (H) mm (11-13/16" x 7-9/16" x 2-7/8"), Maximum height: 300 (W) x 191 (D) x 93 (H) mm (11-13/16" x 7-9/16" x 3-11/16")	
Weight	1.9 kg/4 lbs 4 oz	
Accessories	ME-25 DVD-ROM, Dry Battery <LR6 (AA) type> x 6	
Option	AC Adaptor (PSA series)	

GT-10B		P20-21
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	INPUT: -10 dBu, RETURN: -10 dBu	
Input Impedance	INPUT: 1 MΩ, RETURN: 220 kΩ	
Nominal Output Level	OUTPUT: -10 dBu+4 dBu, SEND: -10 dBu, SUB OUTPUT: +4 dBu	
Output Impedance	OUTPUT: 2 kΩ, SEND: 3 kΩ, SUB OUTPUT: 600 Ω	
Dynamic Range	100 dB or greater (IHF-A)	
Power Supply	DC 9V: AC Adaptor	
Current Draw	800 mA	
Dimensions	542 (W) x 272 (D) x 77 (H) mm (21-3/8" x 10-3/4" x 3-1/16"), Maximum height: 542 (W) x 272 (D) x 104 (H) mm (21-3/8" x 10-3/4" x 4-1/8")	
Weight	4.9 kg/10 lbs 13 oz	
Accessory	AC Adaptor	
Options	Footswitch (FS-5U, FS-6), Footswitch Cable (Roland PCS-31L)	

ME-50B		P20-21
AD Conversion	24 bits + AF method*	
DA Conversion	24 bits	
Sampling Frequency	44.1 kHz	
Program Memories	24 (User)	
Nominal Input Level	INPUT: -10 dBu, AUX IN: -10 dBu	
Input Impedance	INPUT: 1 MΩ, AUX IN: 100 kΩ	
Nominal Output Level	-10 dBu	
Output Impedance	2 kΩ	
Power Supply	DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional)	
Current Draw	140 mA	
Dimensions	384 (W) x 225 (D) x 78 (H) mm (15-1/8" x 8-7/8" x 3-1/8")	
Weight	3.2 kg/7 lbs (incl. batteries)	
Accessories	Dry Battery <LR6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6), Footswitch Cable (Roland PCS-31L)	

ME-20B		P20-21
AD Conversion	24 bits + AF method*	
DA Conversion	24 bits	
Sampling Frequency	44.1 kHz	
Program Memories	30 (user)	
Nominal Input Level	INPUT: -10 dBu, AUX IN: -18 dBu	
Input Impedance	INPUT: 1 MΩ, AUX IN: 22 kΩ	
Nominal Output Level	-10 dBu	
Output Impedance	2 kΩ	
Power Supply	DC 9 V: Dry Battery <LR6/R6 (AA) type> x 6, AC Adaptor (PSA series: Optional)	
Current Draw	90 mA	
Dimensions	294 (W) x 179 (D) x 54 (H) mm (11-5/8" x 7-1/16" x 2-1/8"), Maximum height: 294 (W) x 179 (D) x 74 (H) mm (11-5/8" x 7-1/16" x 2-15/16")	
Weight	1.6 kg/3 lbs 9 oz (incl. batteries)	
Accessories	Dry Battery <LR6 (AA) type> x 6	
Options	AC Adaptor (PSA series), Footswitch (FS-5U, FS-6), Footswitch Cable (Roland PCS-31L)	

eBand

JS-10		P22-23
Capacity	SD/SDHC Card: 1 GB to 32 GB	
Data Types	eBand Songs (Recording/Playback), MP3 (Bit rate: 64 Kbps to 320 Kbps, Playback only), WAV (Quantization bit rate: 16 bits, Playback only)	
External Memory	USB Flash Memory (Optional, sold separately)	
AD Conversion	24 bits + AF method	
DA Conversion	24 bits	
Sampling Frequency	44.1 kHz	
Effect Patch Memories	Preset= 130, User= 100	
Recording Time	eBand Songs= 4 hours (1 GB), 130 hours (32 GB), WAV/16 bits/Stereo= 1.5 hours (1 GB), 50 hours (32 GB), MP3/128 Kbps/Stereo= 17 hours (1 GB), 550 hours (32 GB) * The above-listed recording times are approximate. Times may be slightly shorter depending on the number of songs that were created.	
Nominal Input Level	INPUT 1/2 GUITAR/MIC IN (INPUT GAIN = GUITAR)= -10 dBu, INPUT 1/2 GUITAR/MIC IN (INPUT GAIN = MIC)= -32 dBu, INPUT 2 AUX IN= -20 dBu	
Nominal Output Level	LINE OUT= -10 dBu	
Input Impedance	INPUT 1/2 GUITAR/MIC IN= 1 MΩ, INPUT 2 AUX IN= 47 kΩ	
Output Impedance	LINE OUT= 1 kΩ	
Internal Speakers	2.1 channels (2-channel Stereo and Woofer)	
Rated Power Output	12 W (Stereo Speaker 3.5 W x 2 + Woofer 5 W)	
Display	Graphic LCD 132 x 64 dots	
USB	Audio, Mass Storage Class	
Current Draw	700 mA	
Dimensions	264 (W) x 169 (D) x 209 (H) mm (10-7/16" x 6-11/16" x 8-1/4")	
Weight	1.8 kg/4 lbs	
Accessories	AC Adaptor, SD Card, USB Cable	
Options	Footswitch (FS-5U, FS-6), Expression Pedal (Roland EV-5, FV-500L, FV-500H), USB Flash Memory * Use USB Flash Memory sold by Roland. We cannot guarantee operation if other products are used.	

BR SERIES

MICRO BR BR-80		P24-25
Tracks	<MTR Mode> Tracks: 8, Simultaneously recording track: 2, V-Track: 64 (8 V-Tracks per each Track) <eBand Mode> Tracks: 2 (stereo), Simultaneously recording track: 2 (stereo) <LIVE REC Mode> Tracks: 2 (stereo), Simultaneously recording track: 2 (stereo) * Either the playback or the recording.	
Capacity	SD/SDHC Card: 1 GB to 32 GB	
Data Type	<MTR Mode> Linear (Bit depth: 16 bits) <eBand Mode> eBand Songs (Recording/Playback), WAV (Bit depth: 16 bits, Playback only) MP3 (Bit rates: 64 Kbps to 320 Kbps, Playback only) <LIVE REC Mode> WAV (Bit depth: 16 bits, Recording/Playback), MP3 (Bit rates: 64 Kbps to 320 Kbps, Recording/Playback)	
AD Conversion	24 bits	
DA Conversion	24 bits	
Sample Frequency	44.1 kHz	
Input Impedance	<MTR Mode> 1 GB: 3 hours, 32 GB: 100 hours <eBand Mode> [eBand Song] 1 GB: 4 hours, 32 GB: 130 hours <eBand Mode/LIVE REC Mode> [WAV 16 bits, stereo] 1 GB: 1.5 hours, 32 GB: 50 hours [MP3 128 Kbps, stereo] 1 GB: 16 hours, 32 GB: 550 hours * The above-listed recording times are approximate. Times may be slightly shorter depending on the number of songs that were created. * The above number of the MTR mode is the total for all the tracks that are used. If each of the eight tracks contain an equal amount of data, the length of the resulting song will be approximately 1/8 of the above. GUITAR/MIC IN jack: -20 dBu (GUITAR/MIC SW = GUITAR), 40 dBu (GUITAR/MIC SW = MIC), LINE IN jack: -10 dBu GUITAR/MIC IN jack: 1 MΩ (GUITAR/MIC SW = GUITAR), 6 kΩ (GUITAR/MIC SW = MIC), LINE IN jack: 10 kΩ	

Nominal Output Level	PHONES/LINE OUT jack: -14 dBu
Output Impedance	PHONES/LINE OUT jack: 22 Ω
USB Functions	24-bit/44.1 kHz USB-AUDIO (Hi-Speed USB), USB Mass Storage Class (Hi-Speed USB), BUS Power operation
Power Supply	DC 9 V: AC Adaptor (PSA series: Optional), Dry battery <LR6 (AA) type> x 2, Rechargeable Ni-MH battery <HR6 (AA) type> x 2, or USB Bus Power
Current Draw	130 mA (DC IN)
Dimensions	138 (W) x 86 (D) x 22 (H) mm (5-7/16" x 3-7/16" x 7/8")
Weight	140 g/5 oz
Accessories	SD Card, SONAR X1 LE DVD-ROM, USB Cable (mini-B type), Dry battery <LR6 (AA) type> x 2 AC Adaptor (PSA series), Silicone Case/Pouch Set for BR-80 (BA-BR80S)
Options	

BR-800		P24-25
Tracks	Track: 8, V-Track: 64 (8 V-Tracks per each Track), Up to 4 tracks can be recorded simultaneously, and up to 8 tracks can be played back simultaneously.	
Sample Frequency	44.1 kHz	
Frequency Response	20 Hz to 20 kHz (+1/-3 dB)	
AD Conversion	24 bits, 24 bits + "AF method" (GUITAR/BASS input)	
DA Conversion	24 bits	
Capacity	SD/SDHC Card: 1 GB to 32 GB	
Data Type	HiFi (MT2) Roland/BOSS original format, 16-bit linear stereo WAV format (SONG SKETCH only) Conversion in one track, 1 GB: 8 hours 40 minutes, 32 GB: 272 hours * The above-listed recording times are approximate. Times may be slightly shorter depending on the number of songs that were created. * The above number is the total for all the tracks that are used. If each of the eight tracks contain an equal amount of data, the length of the resulting song will be approximately 1/8 of the above. Stereo recording, 1 GB: 90 minutes, 32 GB: 48 hours GUITAR/BASS jack: -10 dBu, INPUT 1-4 jacks: -50 to -20 dBu (XLR type), -26 to +4 dBu (1/4" TRS phone type), LINE IN jack: -10 dBu GUITAR/BASS jack: 1 MΩ, INPUT 1-4 jacks: 3 kΩ (XLR type), 47 kΩ (1/4" TRS phone type), LINE IN jack: 10 kΩ	
Input Impedance	LINE OUT jacks: -10 dBu LINE OUT jacks: 1 kΩ	
Nominal Output Level	LINE OUT jacks: -10 dBu	
Output Impedance	LINE OUT jacks: 1 kΩ	
Recommended Load Impedance	LINE OUT jacks: 20 kΩ or greater, PHONES jack: 32 to 100 Ω	
Residual Noise Level	LINE OUT jacks: -85 dBu or less (IHF-A, typ.)	
Power Supply	DC 9 V: AC Adaptor, Size AA Dry Battery x 6 (Alkaline batteries recommended), USB Bus Power	
Current Draw	280 mA (DC IN), 480 mA (USB Bus Power)	
Dimensions	289 (W) x 184 (D) x 58 (H) mm (11-7/16" x 7-1/4" x 2-5/16")	
Weight	890 g/2 lbs (incl. batteries)	
Accessories	SD Card, AC Adaptor, USB Cable, BR-800 DVD-ROM	

BR-1200CD		P24-25
Tracks	Track: 12, V-Track: 192 (16 V-Tracks per each Track), Up to 2 tracks can be recorded simultaneously, and up to 12 tracks can be played back simultaneously.	
Maximum Usable Capacity/ Recording Time	Internal Hard Disk: 80 GB *The maximum recording time of the original units (80 GB) is about 240 hours. The listed recording time is approximate. Time may be slightly shorter depending on the number of songs and size of imported loop phrase that were created. The listed recording time is the total for all the tracks that are used. If each of the twelve tracks contain an equal amount of data, the length of the resulting song will be approximately 1/12 of the above. <AD Conversion>: [24 bits, AF method" (Guitar/Bass)], [24 bits, ΔΣ Modulation (VOCAL)], [24 bits, ΔΣ Modulation (LINE)], [24 bits, ΔΣ Modulation (SIMUL)], <DA Conversion>: 24 bits, ΔΣ Modulation <Internal Processing>: 24 bits (digital mixer section) <Recording Data>: 16-bit linear	
Signal Processing		

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Listen the BOSS sounds on your smart phone!
"BOSS SOUND TRIAL"

<http://boss.mobi/sp/>



The **"BOSS PEDAL SKETCH"** app
 for iPhone is here!

Free download from
 the App Store

Available on the
 App Store

- Apply effect settings!
- Store detailed knob settings!
- Record sample sounds and import images!
- Search product information and listen to sample sounds!
- Backing tracks derived from BOSS eBand available for the recommended pedal boards! Enjoy jamming along with the backing tracks!

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/electronic/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.

V-LINK

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

All specifications and appearances are subject to change without notice.

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