

BOSS





COMPACT SERIES P3-8
The World's Best-Selling Compact Effects



LEGEND SERIES P9-10
Popular Fender® amps reproduced via COSM®



TWIN PEDAL SERIES P11-12
Twice the Size, Twice the Power



TU SERIES P13
The Gold Standard in Tuning



AD SERIES P14
Unlock the Potential of Acoustic Guitars



RC SERIES P15-16
Powerful Loop Recorders for Live Performance

**When I got my first guitar, my life changed.
A new passion was born,
and all I wanted to do was to play.**

There were guitarists I loved, and guitars I adored.
And then I got my first BOSS pedal—my point of take-off.
It was the driving force that made my musical dreams a reality.

BOSS has a long, celebrated history of making dreams come true.
Whether pro or beginner, guitarists throughout the world rely on BOSS for the very best in tone, expression, and reliability.

A SOUND INNOVATOR



GT-PRO P17-20
Twin COSM® Engines in a Single Rack



GT SERIES P21-24
Advanced Multi-Effects Processors



ME SERIES P25-28
Multi-Effects with Intuitive Operation



BR SERIES P29-34
Pro-Quality Studios with Built-in Burners



DR & DB SERIES P35-36
Small But Powerful Timekeeping Tools

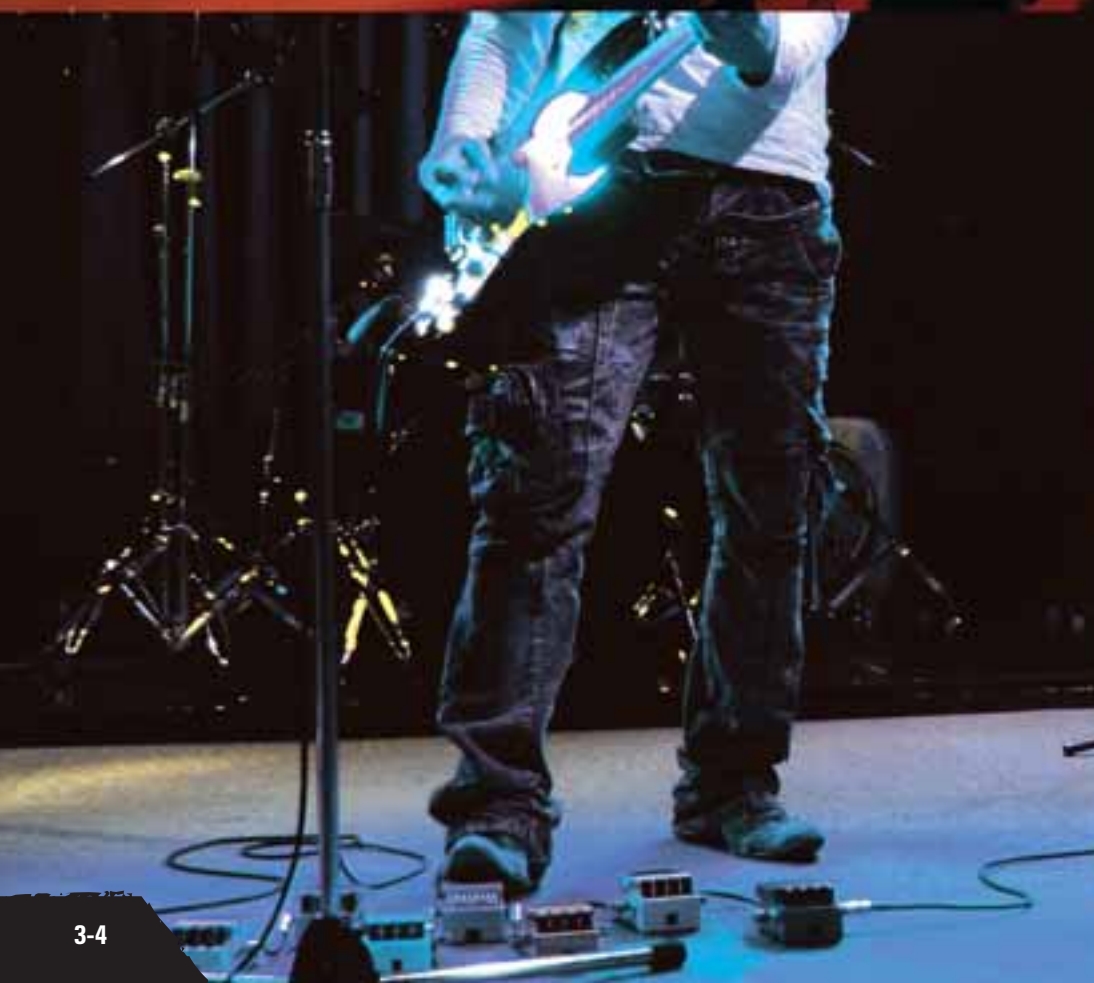
THE BOSS COMPACT EFFECTS STORY

A SOUND INNOVATOR



The World Leader in Compact Effects

10,000,000 pedals sold and going strong ... BOSS is the number one choice for musicians who want the best of the best. Carefully selected parts, uncompromised circuit design, road-tough construction—everything on a BOSS pedal is made with the professional in mind. Musicians who demand the best choose BOSS.



Philosophy

From the beginning, BOSS has built the best pedals by adhering to these key principles:

- 1 Reliably 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.

Legend

The history of BOSS reads like the history of guitar effects. The famous compact pedal line-up began in 1977 with the classic OD-1 Overdrive, which established the masterful design principle for all other BOSS effects pedals that followed.

Note: The OD-1 is no longer in production.

Breakthrough

BOSS has laid claim to many "world firsts" during its illustrious history. Among the many BOSS highlights have been bringing to market the first-ever chorus, overdrive, digital delay, reverb, and pitch-shifter pedals.

DD-7 RV-5 PS-5

Originality

Beyond standard effects, BOSS is famous for its unique and unusual stompboxes, such as the SG-1 Slow Gear, VB-2 Vibrato, and, most recently, the RC-2 Loop Station.

SG-1 VB-2 RC-2

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

Pro Quality

Only the very best components and circuitry are used in BOSS pedals. No corners are cut, no compromises are made — these pedals are built to sound great and take a pounding.

Colorful Lineup

BOSS offers an incredibly wide variety of effects that can take your sound to places it has never been before. Whether you need subtle polish or full, sonic immersion, BOSS effects will do the job reliably and professionally.

Bassists Welcome

Not just for guitarists, BOSS has a range of effects built specifically for bass players. So plug in, and anchor your music with solid, high-impact effects that are custom-tailored for low frequencies.

ODB-3 GEB-7 CEB-3

Imagination

Where will you take your tone? From subtle sweetening to complete audio transformation, BOSS provides more tone-shaping options than any other compact-effects manufacturer in industry.

COMPACT SERIES

A SOUND INNOVATOR

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 nine compact pedals in this category, guitarists have an expansive range of power-tone tools to choose from.



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.



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.



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.



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.



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.



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.



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.



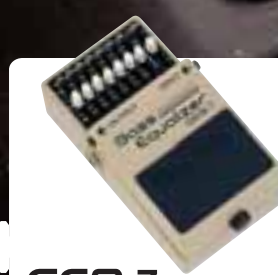
OS-2
OverDrive/Distortion
Distortion and Overdrive Together At Last!
A flexible pedal capable of producing overdrive, distortion, or a combination of both. Get "in your face" distortion while maintaining the subtle nuances of single-coil guitar pickups.



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.



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.



GEB-7
Bass Equalizer
Precise Tonal Control
With a frequency range from 50Hz to 10kHz, 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.



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.



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.



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.



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.



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.



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.



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.



COMPACT SERIES

A SOUND INNOVATOR



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.



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.



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.



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.



RC-2
Loop Station™

Mini Loop Station with Big Features

Able to record 11 phrases for up to 16 minutes, the RC-2 is ideal for sound-on-sound layering or as a backing machine, a basic sampler, a phrase trainer, etc. Guide patterns are provided for accompaniment.



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.



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.



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.



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.



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 12.5ms to 800ms, while a Hold function is capable of producing repeats from here to infinity.



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.



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.



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.



TU-2
Chromatic Tuner

Convenient Pedal-Based Tuning

Legendary BOSS tuning in a convenient, easy-to-use compact pedal design. A 7-segment LED and 11-point Stream Meter ensure accurate tuning, even in low-light settings or under bright stage lights.



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.



PS-5
SUPER Shifter

Pitch Shifting and Beyond

Combines intelligent pitch shifting (+/-2 octaves) and harmonist functions with new Tremolo Arm/Flutter effects. Tremolo Arm bends notes to a pre-selected value while Flutter simulates the slapping of a tremolo bar.



V-WAH
PW-10 Wah Pedal

The World's First Modeling Wah Pedal!

The amazing BOSS PW-10 V-Wah® is likely to be the last wah pedal you'll ever need or want. This first-of-its-kind programmable modeling wah uses COSM technology to recreate some of the most popular wah pedals in history. These include "CBY-Wah" (the classic wah sound), "VO-Wah" (the British wah sound), "MO-Wah" (a popular new-school wah sound), and "Uni-V" (a vintage swirling rotary effect). But the PW-10 doesn't just do wah; it also creates analog synth-like sounds via its "Double Resonance" mode and cool "talking" sounds in "Voice" mode. Eight types of overdrive sounds are also included, which can be dialed in with the Drive knob. Special infrared sensors give this wah smooth and noise-free sound, while three digital memories make it easy to recall your favorite settings. To try it is to love it!

■ COSM WAH TYPE

CUSTOM VO-WAH	ADVANCED MD-WAH	VOICE BLUES OD	CBY-WAH UNI-V
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■ OD/DS TYPE

METAL ZONE DISTORTION	MUFF FUZZ TURBO OD	VINTAGE OD BLUES OD	GUV DIST BOOSTER
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High-Quality Pedals for Guitar and Keyboards

FV-500H Foot Volume

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



FV-500L Foot Volume

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.




FV-50H Volume Pedal

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



FV-50L Volume Pedal

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



LEGEND
SERIES

A SOUND INNOVATOR

Popular vintage Fender® amps reproduced via COSM!

—Legend Series—

The tube amps produced by Fender Company in the U.S. during the '50s and '60s are still highly prized by guitarists all over the world. Approved by the Fender Company, the BOSS Legend Series employs COSM® technology to reproduce the true tone of the '59 Bassman®, one of the most popular Fender vintage amps, and their '65 Deluxe Reverb®. Brought to you by BOSS, these pedals represent an exciting new concept of retro-modern compact effects.



FBM-1 Bassman COSM

Detailed modeling of the Fender '59 Bassman

Powered by COSM® technology, the FBM-1 authentically reproduces the Fender '59 Bassman that was beloved in rock and blues for its fat-yet-transparent sound. Fender has granted permission to use the Bassman name and logo to only one company in the world, and, naturally, that company is BOSS. By using the FBM-1 as a pre-gain pedal, the unique sound of the Bassman can be added not only in combination with a clean guitar amp, but with a tube amp as well. The gorgeous tone characteristic of the Bassman can be easily reproduced with the same classic controls as the original, including Presence, Treble, Mid, and Bass EQ, plus a Bright input.



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FDR-1 Deluxe Reverb COSM

Fender '65 Deluxe Reverb in a Compact Pedal

COSM® technology faithfully reproduces the classic Fender '65 Deluxe Reverb and the warmth unique to compact vacuum tube amps. Exclusively anointed by Fender, the FDR-1 is a retro-modern marvel. Employed as a pre-gain pedal, it allows the special sound of the Deluxe Reverb to be used in combination with either a clean guitar amp or a tube amp. Equipped with control knobs just like the original, the FDR-1 perfectly simulates the characteristic spring reverb and vibrato of this beloved vintage amp.



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TWIN PEDAL SERIES

Extra Surface Area, Extra Control, Extra Expression

Power and precision unite in the Twin Pedal series. More feature-packed than your standard stompbox, each Twin represents the pinnacle of power in a compact case. Double your foot power and expression with these unique 2-pedal effects.



ADVANCED EQ EQ-20 GRAPHIC EQUALIZER *Also Great for BASS*

The World's Most Powerful EQ Pedal
The EQ-20 Advanced EQ gives guitarists, bassists and other live performers 10 bands of programmable digital EQ with stellar sound quality. Physical sliders make instant EQ tweaks easy, and a straightforward Write function permits instant storage of EQ settings into nine memory locations.



LOOP STATION RC-20XL PHRASE RECORDER *Also Great for BASS*

The Travel-Light Looper
Explore the expressive options of sound-on-sound performance with the best-selling RC-20XL. Layer phrase upon phrase until you fill up the 16 minutes of ample recording space. Create a massive "one-person band" experience, build the ultimate solo, change tempo without changing pitch, undo mistakes, and do it all live in real time.



NEW SLICER SL-20 AUDIO PATTERN PROCESSOR *Also Great for BASS*

Instant Groove and Melody Maker
Inject a shot of high-octane fuel into your music with the SL-20 Slicer. Instantly transform a guitar, bass, keyboard, or vocal into a pulsating groove instrument. Choose from 50 onboard Slice patterns or experiment with the SL-20's innovative Harmonic Slicer feature, which generates percussive melodies, Loop Record, and unique 3D Panning.



CHORUS ENSEMBLE CE-20 DIMENSIONAL PROCESSOR *Also Great for BASS*

BOSS's Ultimate Chorus Pedal
The CE-20 Chorus Ensemble is the culmination of over 25 years of BOSS chorus experience. This programmable chorus pedal not only models classics such as the CE-1 and SDD-320, but creates entirely new effects, including chorus for bass and acoustic guitar. New "Brilliance" and "Ambience" knobs offer unprecedented realtime control over the chorus tone — making the CE-20 a pedal no guitarist should be without.



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

The Rebirth of a Roland Classic
Roland's legendary RE-201 Space Echo is reborn through COSM® technology in the RE-20. The classic chorus effect produced through tape speed, compression, and saturation are meticulously reproduced. Features include 11 types of echo and reverb effects, a virtual tape display, tap tempo, and parameter control via expression pedal.



DRIVE ZONE OD-20 OVERDRIVE/DISTORTION *COSM*

22 Overdrive/Distortion Pedals Right Beneath Your Feet!
The OD-20 Drive Zone uses advanced COSM® technology to model the sound of classic overdrive/distortion pedals, as well as creating new sounds of its own. There are 22 models to choose from, plus new "Attack Shape" and "Heavy Octave" parameters for dialing in subtle nuances or extreme tones. Four User memories store your settings, while an Amp Control jack lets you switch amp channels remotely.



GIGA DELAY DD-20 DIGITAL DELAY *Also Great for BASS*

BOSS's Next-Generation Delay
The DD-20 Giga Delay provides up to 23 seconds of delay with easy adjustment via push-button knob or tap tempo. With a choice of 11 modes — including new "Smooth" and "Twist" delays and sound-on-sound recording — this is BOSS's finest delay pedal to date.



ROTARY ENSEMBLE RT-20 ROTARY SOUND PROCESSOR *COSM*

Supreme Rotary-Speaker Simulator
With its powerful COSM®-modeling core, the RT-20 authentically recreates legendary rotary-speaker sounds. It offers adjustable Rise Time, Horn and Bass speed, Overdrive, and more. And not just for classic spin, the RT-20 can be used to create unique overdrive and pulsating effects as well. This pedal sounds amazing, and offers a stunning graphical view of the virtual rotors on its built-in display.

TU&AD SERIES

A SOUND INNOVATOR

BOSS — the Most Trusted Name in Tuning

The famous TU-series incorporates BOSS's world renowned tuner technology into an ultra-convenient, portable package. Accurate and easy to use, BOSS tuners let guitarists and bassists prepare for performance with versatility and reliability.



TU-15 CHROMATIC TUNER

The flagship Tuner with Accu-Pitch™

The TU-15 is BOSS's ultimate tuner, offering renowned needle-point accuracy, backlit design, flat tuning and a host of "world's first" features not found in any other tuner — including Accu-Pitch and Octave Adjust functions.



TU-12 CHROMATIC TUNER

The Industry Standard

The worldwide standard used by top musicians everywhere, thanks to extremely accurate, easy-to-use tuning.



TU-12H CHROMATIC TUNER

Great for Woodwinds and Brass!

Offers an extended tuning range of C1 to B6 for tuning a variety of instruments including guitar, bass, woodwind, brass, and ethnic instruments.



TU-2 Chromatic Tuner

Convenient Pedal-Based Tuning

Legendary BOSS tuning in a convenient, easy-to-use compact pedal design. A 7-segment LED and 11-point Stream Meter ensure accurate tuning, even in low-light settings or under bright stage lights.



TU-80 TUNER & METRONOME

Stay In Tune — and In Time

This affordable tuner boasts super-accurate LCD tuning, reference tone, Accu-Pitch, and metronome function.



TU-80-WH TUNER & METRONOME

Now Comes in Two Colors

For the fashion conscious, BOSS now proudly offers its best-selling TU-80 tuner in a cool white finish!

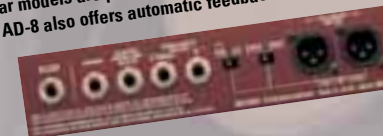
NEW



AD-8 ACOUSTIC GUITAR PROCESSOR COSM

Unlock Your Instrument's True Potential

A dream machine for acoustic guitarists who want to improve their sound, the AD-8 can enhance any piezo-equipped steel-string with the warmth and tonality of the world's finest acoustic guitars via advanced COSM modeling. Six guitar models are provided, with dedicated controls for body resonance and string enhancement. The AD-8 also offers automatic feedback elimination, high-quality reverb, 4-band active EQ, an onboard chromatic tuner with Mute, four preset memory locations for switching sounds instantly, and balanced XLR outputs.



AD-3 ACOUSTIC INSTRUMENT PROCESSOR

Floor-Based Acoustic Processing

Incorporates many of the AD-5's outstanding features — such as anti-feedback processing, reverb and chorus effects — into a rugged, floor-based unit with stompbox simplicity.

Enhance the Clarity, Warmth, & Richness of Your Acoustic Instrument

Who says stompboxes are just for electric guitarists? BOSS proudly offers a trio of specialized processors for piezo-equipped acoustic guitars. Prepare to be amazed as your instrument transforms under the control of COSM-powered modeling. Acoustic pickups often diminish the full-bodied sound of an acoustic guitar, and can significantly alter the beautiful tone of the instrument. The AD-series can give piezo-equipped acoustic guitars the warm tone of a properly miked acoustic sound in the studio.



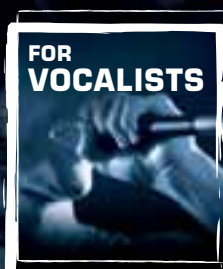


Powerful Loop Recorders for Live Performance

Loop, Layer, Rock! Transform a single instrument or voice into a wall of layered sound. Unleash the ultimate guitar or bass solo onstage. Plug in a mic and create cool vocal layers.

Loops for All Musicians

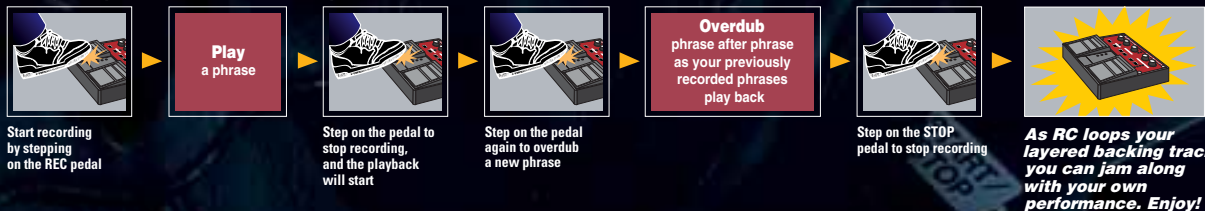
With an RC-series LoopStation, guitarists and bassists can build the ultimate solo live onstage. DJs & rappers can create on-the-fly remixes and loops. Vocalists can plug in a mic and start singing and layering!



Create a Backing Track, Fast!

Here's how to make a loop layer in real time. You don't even have to take your hands off your instrument.

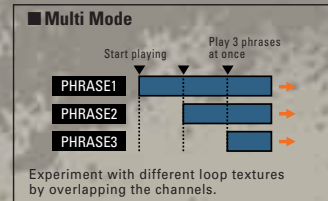
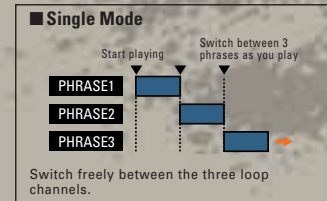
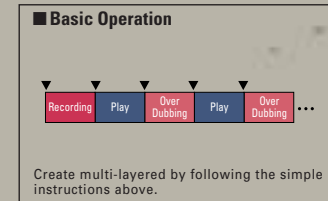
Simple loop recording with hands-free operation



LOOP STATION RC-50

The Industry-Leading LoopStation

Looking for the ultimate loop recorder? Meet the RC-50 ... the most feature-laden LoopStation BOSS has ever built. It's the best live looping tool ever built for that matter. Housed in a spacious seven-footswitch floor unit, the RC-50 lets you manipulate three stereo phrase tracks simultaneously. Each track supports multiple overdubs, so phrases can be stacked one by one on each track, resulting in a monstrous layer of looped phrases.



LOOP STATION RC-20XL

The Travel-Light Looper

For musicians who like compact rigs, the RC-20XL is the perfect LoopStation for creating multi-layered performances in real time. Loops and riffs can be stacked repeatedly until the 16 minutes (!) of ample recording space is full; you can save up to 11 loops at a time. The Undo and Auto-Quantize functions make it easy to create perfect loops. You can even change the tempo of the loops without changing their pitch. Never before has it been so easy to create a massive "one-person band" sound in real time.



LOOP STATION RC-2

Mini Loop Station with Big Features

The RC-2 can record, loop, layer and store up to 16 mono minutes of audio from your own instrument or other external input devices, such as MP3 players/recorders. Each of your layered loop creations can be saved to one of 11 internal patch preset locations. In addition, the RC-2 provides a wealth of handy and powerful features such as a jam-along Rhythm Guide, Auto Start, Tap Tempo, Loop Quantize, and Undo/Redo.





A SOUND INNOVATOR

GT PRO

GUITAR EFFECTS PROCESSOR

Two Tons of Tone in a Rack

Double your power, double your tone — the GT-PRO is driven by a dual COSM® effects engine and an expansive I/O section. It's the perfect front-end for driving a wall of powered cabinets or for direct, pro-grade recording applications. Whether on stage or in the studio, you'll be amazed at how much power and performance this top-quality rack has to offer.



■ Pro Specs

Drive your tone in luxury through the GT-PRO's top-grade circuitry and balanced outputs. Thanks to its improved signal-to-noise ratio, the GT-PRO offers an incredibly pure signal path. Use the GT's advanced tools to design your own original guitar sounds for stage and studio.

■ Dual COSM Preamps

With its dual COSM amp-modeling engine, the GT-PRO allows you to construct towering tones by combining any two of the 46 amp models — then layer, switch, or pan between them as your play. Amp channels and effects can even be controlled according to how hard you play (picking dynamics).



■ Flexible Connectivity

No matter how simple or complex your programming and patching needs are, the GT-PRO has the I/O options and routing flexibility pro's demand, including XLR outputs, three sets of send/returns, and a 24-bit coaxial output for pristine, high-resolution recording.



■ USB Connection

For quick and easy computer interfacing, the GT-PRO provides a USB port for one-cable data transfer and audio flow. Complicated settings are made easy by using the bundled PC/Mac-based editor/librarian software. You can instantly recall all of your settings for live gigs and recording sessions from your PC with a single USB connection.



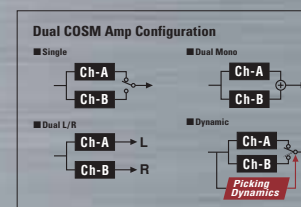


The Dual-COSM® Power Rack

For the guitarist who's looking to upgrade his or her tone pallet, who demands rock-solid reliability, who needs extremely flexible signal routing and I/O options, the BOSS GT-PRO is a grand-slam. Plug in, turn on, and experience the very best of BOSS with the GT-PRO.

■ **2-Channel individual Stereo Outs**
I/O flexibility is the name of the game with the GT-PRO, as it also provides four 1/4-inch analog audio outputs, a pair of balanced XLR outputs, and three pairs of effects send/returns. If you wish to add some serious settings for the stage environments, you can split the signals independently to a couple of guitar amps and go to the PA with the stereo Sub Outs at the same time.

■ **Computer-Friendly Design**
For one-cable patch management and advanced sound design, a USB port is provided for connecting the GT-PRO to a computer of your choice; the GT-PRO comes with Mac/PC editor/librarian software at no additional cost. In addition, it provides USB-Audio functionality.



■ COSM GUITAR PREAMP TYPE

JC CLEAN JC-120 Warm Clean Jazz Combo Full Range Bright/Clean	COMBO VO Drive VO Lead MATCH Drive Fat MATCH MATCH Lead	MS1959(I+II) MS HiGain Power Stack	HIGAIN SLOJ Drive Stack Lead Stack Heavy Lead
TW CLEAN Clean TWIN Pro Crunch Tweed Warm Crunch	BG LEAD BG Drive BG Rhythm Smooth Drive Mild Drive	R-FIER R-FIER Cln R-FIER Raw R-FIER Vnt1 R-FIER Vnt2 R-FIER Mdn2	METAL S150 Drive Metal Stack Metal Lead
CRUNCH Crunch Blues Wild Crunch StackCrunch	MS STACK MS1959(I) MS1959(II)	T-AMP T-AMP Clean T-AMP Crunch T-AMP Lead Edge Lead	

■ COSM OD/DS TYPE

BOOSTER Booster Blues OD Crunch	CLASSIC RAT GUV DS DST	LOUD Loud Sharp Mechanical
NATURAL OD Natural OD Turbo OD Fat OD	SOLID Solid DS Mid DS Stack	FUZZ 60s FUZZ Oct FUZZ MUFF FUZZ
OD OD-1 T-Scream Warm OD	MODERN Modern DS Power DS R-MAN	
DIST Distortion Mid DS Drive DS	METAL Metal Zone Heavy Metal Lead	

■ EFFECT LIST

FX-1/2 ADY COMP LIMITER T. WAH AUTO WAH TONE MODIFY GUITAR SIM TREMOLLO PHASER FLANGER PAN VIBRATO UNI-V RING MOD SLOW GEAR DEFRETTER SITAR	FEEDBACKER ANTI-FEEDBACK HUMANIZER SLICER WAVE SYNTH SUB EQ	REVERB FX-2 HARMONIST PITCH SHIFTER PEDAL BEND OCTAVE ROTARY 2x2 CHORUS AUTO RIF GUITAR SYNTH AC PROCESSOR SOUND HOLD SUB DELAY
COMP EQ WAH LOOP OD/DS PREAMP/SPEAKER DELAY CHORUS		NOISE SUPPRESSOR FOOT VOLUME

■ COSM COMPRESSOR TYPE

BOSS Comp Hi-BAND Light B-Comp	Orange Fat Mid Stereo Comp
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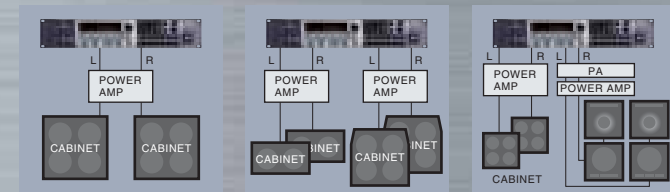
■ COSM WAH TYPE

CRY WAH VO WAH Fat WAH	Light WAH 7String WAH Reso WAH
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■ COSM LIMITER TYPE

BOSS Limiter Rack 1600	Vtg Rack U
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■ Connecting With Power Amps, Plus Cabinets



Connect the stereo outputs to a single power amp for Dual mode or stereo effects. Connect each output channel to individual power amps and cabinets. You can designate the output channel per Patch. Connect the Sub outs to a stage PA. Another channel is used for monitoring.

■ Connecting With Guitar Amps



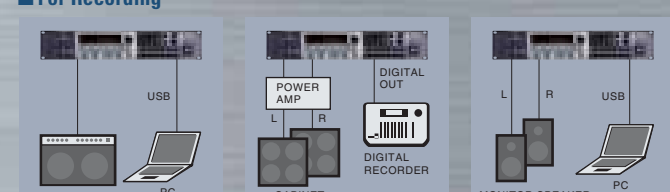
Connect to the JC-120. Using JC's stereo return jacks, you can take advantage of the GT's stereo effects. Using two individual outputs, you can select guitar amps with the patches you've programmed. In the same way, you can freely control stereo sounds with four guitar amps.

■ Using the GT-PRO's Effects Loops



Up to three external effects can be used. You can assign effects loops ON/OFF per Patch. Pre loop is used for a branch out. Removing the direct sound from the Master outputs, you can divide dry and wet sound. Connect a guitar amp's send/return to the GT's Pre loop. You can select each preamp case by case.

■ For Recording



Record to DAW software through the GT's USB port. The same sounds can be monitored through your guitar amp. Using GT's digital output, you can immediately record your live performance with pristine quality. The GT-PRO is useful for post-production. After recording, you can reamp your dry guitar sound with a single USB connection.

GT-PRO GUITAR EFFECTS PROCESSOR COSM USB

For Stage or Studio, the GT-PRO is Built to Satisfy the Most Demanding Professional

■ Powerful Dual COSM Amps

The GT-PRO's dual COSM amp modeling engine allows unprecedented tone exploration by combining two amp models, or by switching between them during performance. Tap into the expressive Dynamic mode, where two channels can be controlled based on picking strength. Transition smoothly from clean to mean by simply picking harder or softer.

■ Meticulous COSM Editing

The GT-PRO crushes the competition with its unique and powerful COSM editing. Thanks to BOSS's advanced physical modeling, you take complete control over your tone by constructing your virtual rig from scratch, including the choice of speaker types, microphone amp position, and more.

■ Solo Switch

The 46 COSM amp models built into the GT-PRO contain a specially programmed variation that's optimized for soloing. Simply click the Solo switch to activate the lead tone, and off you go — it's like having a separate solo channel on every COSM amp!

■ Extreme Effects

Looking for BOSS's best effects? You'll find them here. As the top of GT line, the GT-PRO provides 44 effects categories, with 200 preset- and 200 user-patch locations. Choose from compressors, overdrives, delays, reverbs, choruses, EQs, wahs, and dozens of other BOSS-quality effects — including a sitar and acoustic guitar emulator onboard.

■ Flexible Effects Chain

Prepare to be impressed with the GT-PRO's flexible effects chain. Internally, the 15 effects blocks can be configured in any order you desire; externally, a trio of stereo effects loops plus an array of assignable outputs enables the most flexible signal-routing configurations.

■ 2-Channel External Amp Control

The GT-PRO provides two Amp Control jacks, which can be programmed independently to switch amp channels, operate external effects, and more.

Control the GT-PRO from the Floor with BOSS's FC-300 or GFC-50 Foot Controller

FC-300 Roland
MIDI FOOT CONTROLLER

MIDI Cable

MSC-50 Roland
MIDI Cable (5.0 m)

MSC-25 Roland
MIDI Cable (2.5 m)

MSC-15 Roland
MIDI Cable (1.5 m)

GFC-50 Roland
FOOT CONTROLLER

**FLOOR
MULTI
SERIES**



Advanced Processors for High-Impact Performance

Trusted by the world's greatest players, BOSS's flagship multi-effects processors deliver unsurpassed sound quality and programming flexibility for both stage and studio.



GT
GT-10/GT-10B

Effects Excellence. Meet the Next Generation GT!

Ultimate Sound Quality and Natural Feel

The GT-10 and GT-10B are intended for players who seek the ultimate quality and creative control. With marked advancements in sound quality, amp modeling, and distortion effects, the GT series represents a new era in effects. Expression is unprecedented thanks to unique performance-based tone shifting between twin channels. For guitar and bass, the new GT series ushers in a new era of sound quality and creativity.

Instantly Create New Sounds with EZ TONE

EZ TONE is innovative feature that lets anyone create custom sounds with graphic icons and intuitive terms such as "soft" or "hard." Choose the basic sound type you want according to music genre, song imagery, and performance style. Then shape the sound by simply moving the cursor on the Tone Grid matrix toward Soft or Hard and Solo and Backing. Now anyone can easily create custom sounds.

*EZ TONE lets you visualize the sound you have in mind.

Parallel Effects Chain & Phrase Looping

For amazing performance power and unique sound design, the Parallel Effects Chain lets you freely switch or blend two independent effects paths according to your playing intensity. Also of note is Phrase Loop, great for idea sketching, practice, and mind-bending performance with up to 38 seconds of mono recording and sound-on-sound looping.



ME
ME-50/ME-50B

Powerful Multi-Effects with Stompbox Simplicity

Suite of Powerful Effects

The ME-50 for guitar and ME-50B for bass are loaded with top-shelf BOSS effects, including overdrive, distortion, modulation effects, delays, compression, noise suppression, reverb, and more. It's a dream lineup of effects guitarists and bassists needs for creating their ideal sounds, all in a single, friendly unit.

The Friendly Feel of Stompbox

High power doesn't have to mean complexity. The ME-50 and Me-50B are fully loaded, but they also benefit from BOSS's know-how in making technology friendly. With both units, you'll be creating the sounds you have in mind just by turning knobs.

Industrial Strength Design that Travels Light

They're compact enough to slip into a gig bag, but built tough enough to endure heavy use. Convenient and clean, these high-performance power stations are perfect for any environment, whether onstage, in the studio, or wherever the action is.



ME
ME-20/ME-20B

Multi-Effects with a Compact-Pedal Feel

Easy-To-Use Performance Effects

From the smallest compact pedal to the most feature-laden rack, the BOSS brand is synonymous with effects that sound great and are built to last. The ME-20 and ME-20B are powerful, easy-to-use, road tough, and optimized for effortless, fluid live performance. These popular multi-effects units bring BOSS's high-end effects technology to a very affordable price point.

Simple-Access Controls

Just by turning knobs, you can create sounds as easily as you can with a stompbox. With EZ Edit, you can even use a single knob to instantly access the most essential parameters.

Handy Size, Tough Case, Runs on Batteries

Built road-tough and ready to rock, the ME-20 and ME-20B feature die-cast aluminum bodies, yet the refined A4 design is cool enough to show off on stage. Thanks to battery-power operation, you can run them anywhere.



Effects Excellence. Meet the Next Generation GT!

Driven by BOSS's latest DSP engine, the GT-10 and GT-10B offer amazing new COSM® amp models and effects, plus EZ TONE, for intuitive editing, Phrase Loop, Parallel Effects Chain, and more.



GT-10

GUITAR EFFECTS PROCESSOR
COSM® USB AUDIO

Amazing Sound, Incredible Effects, High-powered Performance

Advanced Sound, Natural Feel

Powered by BOSS new-generation processor and proprietary COSM® sound-modeling method, the GT-10 ushers in a new era of audio quality for guitarists, featuring tone quality that's significantly higher and performance response that's more natural and musical.

Double Power with Two Signal Paths

The GT-10's Parallel Chain feature provides two separate effects paths, including COSM® amp models for seamless switching between clean tone and lead, and vice versa. The two channels can be used simultaneously, blended by expression pedal, or even switched based on your playing dynamics.

Example of Parallel Chain



Flexible Phrase Looping

Use the GT-10's Phrase Loop feature for sound-on-sound performance. Recording has been extended to 38 seconds (mono mode). Phrase Loop can be placed before or after the effect chain. In the post position, the effect patch can

be manipulated and recorded as part of the loop. Used in the pre position, Loop Record captures the raw incoming performance, allowing you to experiment with a variety of effects during playback.

EZ TONE for Quick Sound Creation

The GT-10 is a pro player's dream, but it's also friendly enough for first timers. The innovative EZ TONE wizard helps you create great sounds quickly with its intuitive approach to sound design based on icons. Simply move the cursor left, right, up, and down along the Tone Grid matrix. The GT-10 makes it easier than ever to achieve your dream sound.



STEP 1: Select pick-up type and output destination.



STEP 2: Select sound style and type of variation.



STEP 3: On the Tone Grid screen, adjust the Distortion Character along the Soft/Hard and Solo/Backing axis.



STEP 4: On the Tone Grid screen, adjust EX Character along the Short/Long and Dry/Wet axis.

Connectivity for Studio and Stage

A simple USB connection to a computer is all it takes to directly record high-quality GT performances to your favorite DAW software. The GT-10 also offers a wide variety of audio inputs and outputs for creative signal routing, such as amp-control outputs, a send and return, and digital output. A pair of control pedals enables additional real-time expression.



Special Librarian Software, Available via BOSS Web

Download the free GT software librarian from www.bosscorp.co.jp. It's a simple, convenient way to transfer your effects settings to computer, and easily back up and manage your collection of sounds.

A SOUND INNOVATOR



GT-10B

BASS EFFECTS PROCESSOR
COSM® USB AUDIO

Meet the New Ace of Bass

Best of Both Worlds: Authentic Bass Tone & Radical Sound Shaping

Bass players can enjoy the same core processing muscle and flexibility of the GT-10 in the GT-10B, optimized for the low-frequency domain. The massive power of BOSS's latest DSP engine and COSM® sound modeling are included to provide the most creative and essential features for bass, including finely tuned compression, limiting, and EQ. With Parallel Chain, Phrase Loop, and EZ TONE onboard, the GT-10B takes its place as the most advanced-yet-friendly bass station on the market.

Two Dimensions of Expression

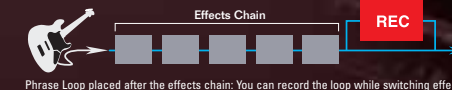
The GT-10B's Parallel Chain provides two discrete signal paths. Shape your sound by freely allocating a variety of amazing effects, including a COSM amp channel. With two discrete channels instantly available, you can switch between or blend the two paths according to your playing dynamics for incredibly expressive bass performances.

Example of Parallel Chain



New Creativity with Phrase Looping

Phrase Loop lets you record a bass performance and play along with it, sound-on-sound style. The recorded loop can be up to 38 seconds long (in mono). You can create the phrase loop either before or after the effects chain for creative sonic control. Impress your audiences with multi-layered performances!



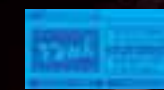
Phrase Loop placed after the effects chain: You can record the loop while switching effects on and off, making it possible to create a loop with any number of interesting FX variations.



Phrase Loop placed before the effects chain: This makes it possible to record the raw performance and add or change effects after the fact.

Quickly Create Custom Sounds with EZ TONE

EZ TONE is a notable new feature that provides fast and friendly control of sound design. Simply turn the knobs while viewing the graphical Tone Grid on the large LCD. It's as simple as using a compact-effects pedal!



STEP 1: Select sound style and type of variation.



STEP 2: On the Tone Grid screen, adjust the Distortion Character along the Soft/Hard and Smooth/Edge axis.

Flexible I/O

A simple USB connection to computer is all it takes to directly record high-quality GT performances with your favorite DAW software. The GT-10B also offers a wide variety of inputs and outputs for creative signal routing, such as the amp-control outputs, a send and return, and digital output. A pair of control pedals enables additional real-time expression.



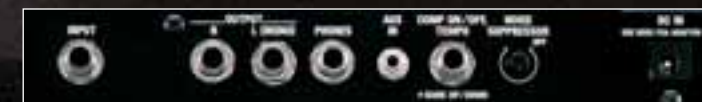
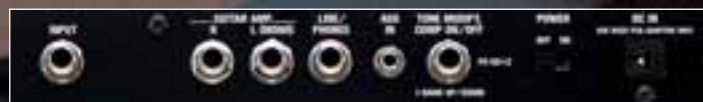
GT-10 EFFECTS LIST			PREAMP TYPE			OD/DS TYPE			SLOW GEAR			SOUND HOLD			PAN		
COMPRESSOR	FX-2	FOOT VOLUME	BOSS Clean	VO Lead	R-FIER Mdn	Mid Boost	Warm OD	Stack	SLOW GEAR	SOUND HOLD	PAN	DEFRETTER	AC PROCESSOR	SLICER	FLIP TOP	FLANGER	VIBRATO
OD/DS	DELAY	PEDAL WAH	JC-120	VO Clean	R-FIER Cln	Clean Boost	Loud	Distortion	WAVE SYNTH	FEEDBACKER	HUMANIZER	CONCERT 810	GTR Crunch	UNI-V	TREMOLO	ROTARY	2X2 CHORUS
PREAMP	CHORUS	PEDAL BEND	Jazz Combo	MATCH Drive	T-AMP Lead	Treble Bst	Mild DS	Metal Zone	GUITAR SYNTH	ANTI-FEEDBACK	HUMANIZER	BASS 360	GTR Drive	FX-1/FX-2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2
EQUALIZER	REVERB	NOISE SUPPRESSOR 1	Full Range	Fat MATCH	T-AMP Crnch	Blues OD	Mid DS	Lead	SITAR SIM.	PHASER	HUMANIZER	T.E.	GTR Metal	T.WAH	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2
FX-1	MASTER	NOISE SUPPRESSOR 2	Clean TWIN	MATCH Lead	T-AMP Clean	Crunch	RAT	'80s FUZZ	OCTAVE	FLANGER	2X2 CHORUS	BOSS Comp	Vtg Rack U	AUTO WAH	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2
			Pro Crunch	BG Lead	BOSS Drive	Natural OD	GUV DS	Oct FUZZ	PITCH SHIFTER	TREMOLO	SUB DELAY	D-Comp	Multi Band	SUB WAH	BOSS Limiter	Natural	SUB COMP
			Tweed	BG Drive	SLDN	OD-1	DST+	MUFF FUZZ	HARMONIST	ROTARY	UNI-V	BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			DELUX Crnch	BG Rhythm	Lead Stack	T-Scream	Modern DS	TURBO OD	AUTO RIFF	UNI-V		BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			BOSS Crnch	MS1959 I	Heavy Lead	Turbo OD	Solid DS					BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			Blues	MS1959 I+II	BOSS Metal							BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			Wild Crnch	MS HiGain	5150 Drive	T.WAH	ADV.COMP	PARA EQ	CRY WAH	Fat WAH	7String WAH	BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			StackCrunch	MS Scoop	Metal Lead	AUTO WAH	LIMITER	TONE MODIFY	VO WAH	Light WAH	Reso WAH	BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER
			VO Drive	R-FIER Vnt	Edge Lead	SUB WAH	GRAPHIC EQ	GUITAR SIM.				BOSS Limiter	Natural	SUB LIMITER	Rack 1600	Multi Band	DEFRETTER

GT-10B EFFECTS LIST			PREAMP TYPE			SOUND HOLD			SLICER		
COMPRESSOR/LIMITER	REVERB	SUPER FLAT	SESSION	Bass Driver	Bass MT	PHASER	VIBRATO	FLIP TOP	FLANGER	RING MOD.	
OD/DS	MASTER	FLIP TOP	AC BASS	Bass OD	Bass FUZZ	FLANGER	RING MOD.	FOOT VOLUME	Bass DS	MUFF FUZZ	
PREAMP	FOOT VOLUME	B MAN	GTR Clean	Bass DS	MUFF FUZZ	TREMOLO	HUMANIZER	CONCERT 810	GUV DS	HIBandDrive	
EQUALIZER	PEDAL WAH	BASS 360	GTR Crunch	FX-1/FX-2	UNI-V	ROTARY	2X2 CHORUS	BASS 360	GTR Drive	FX-1/FX-2	
FX-1	PEDAL BEND	T.E.	GTR Metal	T.WAH	TONE MODIFY	UNI-V	SUB DELAY	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
DELAY	NOISE SUPPRESSOR 1	BOSS Comp	COMPRESSOR/LIMITER TYPE	AUTO WAH	BASS SIM.	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
CHORUS	NOISE SUPPRESSOR 2	BOSS Comp	Vtg Rack U	SUB WAH	SLOW GEAR	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Multi Band	SUB COMP	CRY WAH	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Natural	SUB LIMITER	VO WAH	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Multi Band	GRAPHIC EQ	Reso WAH	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Natural	PARA EQ		NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Natural	ENHANCER		NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	
		BOSS Comp	Natural	HARMONIST		NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 1	NOISE SUPPRESSOR 2	NOISE SUPPRESSOR 2	



Maximum Processing with a Minimal Footprint

Meet BOSS's famous floor-based multi-effects processors with ridiculously easy-to-use, intuitive interfaces. Best of all, there's a model for guitar and one for bass!



ME-50 GUITAR MULTIPLE EFFECTS COSM

Killer Tone Meets Ease of Use

■ Works Just Like Your Favorite Pedals

A multi-effects processor without a menu-driven LCD? Leave it to BOSS to design the most intuitive multi-effects processor ever. With simple knob-based control over each effect section, the ME-50 makes dialing in your tone easier than ever. And when you want to kick in an effect, just step on one of the footswitches. Think of it as a pedalboard full of stompboxes, just without all the individual pedals.

■ Superb Overdrive/Distortion Effects

The ME-50 boasts a range of superb COSM® overdrive and distortion modes — perfect for use on stage with an amp. Derived from the popular OD-20 Drive Zone, these are some of the crunchiest, tastiest overdriven sounds you can imagine. There's even a "Square" effect for cool synth-type sounds. Of course, the ME-50 also has plenty of other effects like compression, analog delay, flanger, phaser, tremolo, Harmonist, Uni-V and a wicked Rotary effect.



■ Easy Assignable Expression Pedal

Having an assignable expression pedal is great, but not if you have to dig through menus just to select the effect you want to control. The ME-50 fixes all that with a simple Pedal Mode switch and knob. First, select whether you want to use the pedal for volume or expression. If you choose expression, you can then select one of six preset assignments via the dedicated knob: wah, resonance, voice, ring mod and octave up or down.



■ Memory Function for Live Performance

The ME-50's Memory function makes changing Patches quick and easy. Once enabled, the three footswitches become Patch selectors for switching between three programs within one of the ME-50's ten memory banks. To switch banks, just press the Bank Up/Down buttons or use an optional footswitch. And with the ME-50's convenient tuner function, keeping your guitar in tune is easy.



COSM OD/DS OD-1 OD-2 BD-2 DS-1 MT-2 SCREAM DST+ GUV RAT BUFF FACE NATURAL CRUNCH LEAD LOUD METAL	MODERN OD STACK HI GAIN MODERN DS SQUARE OCT FUZZ	DELAY TONE MODIFY COMPRESSOR NOISE SUPPRESSOR REVERB
	MODULATION CHORUS FLANGER HARMONIST TREMLO PAW VIBRATO UNI-V ROTARY	PEDAL FOOT VOLUME WAH RESONANCE VOICE RING MODULATOR BEND(+1 OCTAVE, -1 OCTAVE)

ME-50B BASS MULTIPLE EFFECTS COSM

Big-Time Multi-Effects for Bass

■ Multi-Effects Made Simple

BOSS understands that bass players want access to powerful effects, but they don't want to get caught up in the menus and programming hassles of a multi-effects processor. Enter the ME-50B. Just like its guitar-oriented sibling, the ME-50B puts BOSS' finest multi-effects for bass into a convenient floor processor with the feel of a compact pedal. Forget about menus and cursor buttons. Just reach down and twist a knob!

■ Independent COSM® Compressor/Limiter and EQ

Everyone knows that the fundamentals of good bass tone are compression and EQ. That's why the ME-50B features two dedicated sections for these essential effects. The Compressor/Limiter uses advanced COSM modeling — including a "Natural" compression setting that retains the nuances of your playing — to give you tight, punchy tone. Simply select the compressor "Type" and adjust the Sustain/Threshold knob to get the tone you want. The Master section includes a 3-band EQ with a sweepable mid for precise tonal shaping.



■ Get Creative with Cool Filter/Tone Effects

The ME-50B includes a variety of unique tone-shaping effects just for bass. These include a handy "Octave Up" effect, which adds a note one octave above the original while retaining your natural bass sound — complete with adjustable drive on the octave-shifted note — plus favorites like Slow Gear, T-Wah and a Defretter effect for instant fretless sounds. Using the Tone effect preset, you can get quick tonal variations with preset EQs like "Bottom Boost" and "Mid Shape."

■ Incredibly Warm Overdriven Sounds and More

Want some extra bite? Switch on the ME-50B's Drive effects, which include settings like "Muff Fuzz," "Bass Driver," "Natural" and "Metal" to give you a range of overdriven/distorted sounds. A "Hi Band" effect creates a distorted sound on the high frequencies while keeping the lower frequencies intact — perfect for creating complex tones while keeping your original playing dynamics. There are also four synth bass sounds with superb tracking and natural feel.



■ Sound On Sound with a Twist

Sound On Sound recording is very popular with guitarists, and now bass players can build their own loops, too. But the ME-50B can do even more. Using the Kick Drum function, players can tap in their own kick drum and create loops over the beat. If that's not enough, check out the Sound Hold function, which lets you endlessly sustain a low note while playing over it. With the ME-50B, bassists can take their playing to a whole new level.



COMPRESSOR/LIMITER NATURAL LIMITER 1600 SOFT 1600 HARD D-COMP	ENHANCER BOTTOM BOOST MID SHAPE HOLLOW	DELAY/MODULATION J.TAP DLY HOLD DLY ANALOG DLY 0-400 ms DLY 300-1400 ms DLY
MASTER EQ LOW MID MID FREQ HIGH	DRIVE NATURAL BASS DRIVER OVER DRIVE DISTORTION MUFF FUZZ METAL HI-BAND DRIVE	PHASER FLANGER CHORUS CHO+DELAY CHO+REVERB REVERB
FILTER/TONE T.WAH UP T.WAH DOWN T.WAH EDGE OCTAVE UP OCTAVE DOWN SLOW GEAR DEFRETTER	SYNTH SAW LEAD MILD FILTER DEEP FILTER SQUARE	PEDAL FOOT VOLUME WAH RESONANCE +1 OCTAVE -1 OCTAVE SOUND HOLD KICK DRUM



Effortless Performance Power!

From the smallest compact pedal to the most feature-laden rack, the BOSS brand is synonymous with effects that sound great and are built to last. Today, BOSS expands its famous ME-series effects family with the ME-20 and ME-20B. These powerful multi-effect units are optimized for ease of use in live performance. They also bring BOSS's high-end effects power to a very affordable price point.



ME-20 GUITAR MULTIPLE EFFECTS

Expressive Effects That Will Ignite the Stage

Simple Operation — Works Like Compact-Pedal Effects

To get the sound you want, simply select an effect and tweak it using the knobs. Turn the ME-20 on, and it's just like having three BOSS compact-pedal effects side by side. No menus to navigate, no nonsense — it's fast, easy, fun, and yet powerful.

Famous BOSS sound

The ME-20 provides world-class overdrive, distortion, delay, chorus, phaser, flanger, tremolo, rotary, and EQ effects — all instantly customizable.

OD/DS Solo Function

Give distortion sounds clarity and an intense boost with a simple button press. The first of the three footswitches on the ME-20 is devoted to overdrive and distortion effects. You can also switch the effect on/off via pedal or an external switch (BOSS FS-5U) — great for instantly activating a "biting lead" tone.



EZ EDIT for Quick Sound Creation

EZ EDIT lets you create sounds quickly and intuitively, with incredible ease and speed like no other multi-effects unit on the market. You can adjust a combination of effect parameters with a single knob, and then save your creations for instant recall.

Memory Function

Up to 30 of the sounds you create can be stored in the ME-20's User memory. In Memory mode, you can use the pedals to instantly select a stored sound. Since the ME-20 makes it so easy to create new sounds, the user memory bank ensures that you'll never lose those perfect patches.

AUX IN Jack

Plug a CD or MP3 player into this input jack and jam along with your favorite music. It's also a great way to plug in and play along with your favorite guitar heroes to help build and strength your chops.

Battery Powered Operation

The ME-20 runs on battery power (six AA dry cells) so you can use it anywhere. Wherever you travel, the ME-20 goes with you and never requires an additional AC outlet. For those who want to plug in, however, an optional AC adaptor can be used.

OVERDRIVE/DISTORTION	MODULATION	DELAY	EQUALIZER
1: OVERDRIVE	1: CHORUS	1: 0-99ms DELAY	NOISE SUPPRESSOR
2: BLUES	2: PHASER	2: 100-700ms DELAY	OD/DS SOLO
3: DISTORTION	3: FLANGER	3: REVERB	WAH
4: METAL	4: TREMOLO		FOOT VOLUME
5: FLIZZ	5: ROTARY		MASTER LEVEL
6: COMPRESSOR			

ME-20B BASS MULTIPLE EFFECTS

Unique Sounds That Will Make You Stand Out

Simple Operation — Works Like Compact-Pedal Effects

To get the sound you want, simply select an effect and tweak it using the knobs. It's the same simple operation offered by compact-pedal effects. Special attention has been given to ease of operation and speed of use — ideal for immediate editing on stage or in the studio.

FX for Bassists

Mix, match, and customize a wide variety of effects for bass, including compressor, overdrive, distortion, T-Wah, phaser, flanger, chorus, delay, reverb, defretter, synth, and more.

BASS ENHANCE Function

This function strengthens bass dynamics with a simple button press, adding richness and impact to the tone. You can also activate the effect with an optional pedal — great for instantly activating a "bass solo" tone.



EZ EDIT for Quick Sound Creation

EZ EDIT lets you create sounds quickly and intuitively, with incredible ease and speed like no other multi-effects unit on the market. You can adjust a combination of effect parameters with a single knob, and then save your creations for instant recall.

Memory Function

Up to 30 of the sounds you create can be stored in the ME-20B's User memory. In Memory mode, you can use the pedals to instantly select a stored sound. Since the ME-20B makes it so easy to create new sounds, the user memory bank ensures that you'll never lose those perfect patches.

AUX IN Jack

Plug a CD or MP3 player into this input jack and jam along with your favorite music. It's also a great way to plug in and play along with your favorite bass heroes to help build and strength your chops.

Battery Powered Operation

The ME-20B runs on battery power (six AA dry cells) so you can use it anywhere. You can also use the optional AC adaptor for extended performances. Wherever you travel, the ME-20B goes with you and never requires an additional AC outlet. For those who want to plug in, however, an optional AC adaptor can be used.

SFX	COMPRESSOR/DRIVE	DELAY/MODULATION	EQUALIZER
1: T. WAH UP	1: COMPRESSOR	1: 0-99ms DELAY	NOISE SUPPRESSOR
2: T. WAH DOWN	2: OVERDRIVE	2: 100-700ms DELAY	BASS ENHANCE
3: T. WAH EDGE	3: DISTORTION	3: PHASER	WAH
4: DEFRETTER	4: OD/DIRECT	4: FLANGER	FOOT VOLUME
5: OCTAVE	5: SYNTH 1	5: CHORUS	MASTER LEVEL
	6: SYNTH 2	6: CHO+DELAY	
		7: REVERB	





All-In-One Studios with CD-Burners Built In

There's a reason BOSS BR-series recorders are in such high demand. Bang for the buck, reliability, and versatility have made BOSS the most trusted and sought-after portable digital recorders worldwide. No matter which BR recorder you choose — the BR-1600CD, -1200CD or -900CD — you'll enjoy the following features common to all models:

For more details, visit www.bosscorp.co.jp/BR/

BR advantage

Hassle-Free Recording

Simple four-step recording process! Realize your music, from concept to compact disc, with unprecedented speed and ease.

- 1 Grab a guitar.
- 2 Select an effect.
- 3 Arm the track.
- 4 Start recording.

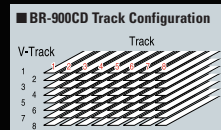
COSM® Amp & Effect Models

COSM powered modeling provides realistic emulations of vintage guitar amps, coveted compressors, and more. The BR-1600CD and -1200CD also offers COSM OD/DS models derived from BOSS's famous GT-Line multi-effects. Various modulation and ambience effects are also built in.



Stackable V-Tracks

Record, layer, and keep layering with no worries, thanks to the BR's abundance of virtual V-Tracks. The flagship BR-1600CD boasts huge 256 V-Tracks, and there are 64 V-Tracks even on the compact BR-900CD. You can stack your tracks without space concerns or time constraints.



Mastering Tools

Give your music a professional, polished sound with built-in, easy-to-use mastering effects. The quality of the BR's mastering tools will raise the quality of your music to a new level.

Powerful Rhythm Section

Generate convincing backing tracks with the BR's easy-to-use, onboard rhythm generator. The BR-1600CD and -1200CD provide a dedicated bass track and even audio loops. The BR-1200CD is equipped with the ultra-easy rhythm programming feature "EZ Compose."



Large Storage Capacity

Press RECORD and jam worry-free. BR recorders feature high-volume storage media, so you'll never miss that magic moment when it happens. The BR-1600CD/1200CD's 80 GB hard drive allows over 240 hours* of high-quality linear recording time (maximum). *conversion in one track

Computer Connectivity via USB

Need to exchange data with a computer? No problem. Each BR recorder comes equipped with a USB port for shuttling audio back and forth. It also supports WAV/AIFF import and export.



All-In-One Solution

Record, edit, process, mix, master, and burn — the BR series can do it all. No additional recording gear required. The BR-1200CD/-900CD's Direct CD Bounce feature enables you to record your track and input mixes directly to CD-R/RW.



Perfect Vocals

Pitch-correction and intelligent harmony* tools onboard! Fix intonation problems and add backing vocals with ease. *BR-1600CD and -1200CD only



A SOUND INNOVATOR

The World's Smallest Pro Studio!

Meet the Ultimate Palmtop Guitar Companion and Recording Partner

MICRO BR

DIGITAL RECORDER

COSM USB SD 128 MB SD Memory Card Included

BR in Your Pocket

The MICRO BR is so small you can put it in your pocket! It measures just 136mm x 81mm x 21.4mm (5-3/8" x 3-3/16" x 7/8"). But even though it's tiny, the MICRO BR packs an entire studio's worth of features into its tiny case.

Four Tracks & More

At its core, the MICRO BR is a four-track studio with four simultaneous playback tracks and two simultaneous record/input tracks. However, each of the four main playback tracks also has eight companion V-Tracks.

RECORDING TIME

Multi-track recording	32 MB	64 MB	128 MB	256 MB	512 MB	1 GB
HiFi (MT2)	15 min.	31 min.	64 min.	128 min.	257 min.	502 min.
Standard (LV1)	18 min.	38 min.	76 min.	154 min.	309 min.	604 min.
Long (LV2)	23 min.	47 min.	96 min.	192 min.	386 min.	755 min.

*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 four tracks contain an equal amount of data, the length of the resulting song will be approximately 1/4 of the above. The memory capacity (recording time) decreases when the MP3 file etc. exist in the memory.

MP3

	32 MB	64 MB	128 MB	256 MB	512 MB	1 GB
192 kbps	21 min.	43 min.	88 min.	177 min.	355 min.	693 min.
128 kbps	32 min.	65 min.	132 min.	265 min.	532 min.	1040 min.
64 kbps	65 min.	131 min.	265 min.	531 min.	1056 min.	2081 min.
WAV	2 min.	5 min.	12 min.	24 min.	48 min.	94 min.

*The above-listed recording times are approximate. Times may be slightly shorter depending on the number of MP3/WAV files that were created. The memory capacity (recording time) decreases when the track data (Song) exist in the memory.

Handy Features

Only slightly larger than an iPod®, the tiny-yet-powerful MICRO BR is loaded with cool features. It offers a built-in microphone, built-in rhythm generator, a tuner, a USB port, an SD Card slot, and more.

Effects Engine Built In

A high-quality multi-effects processor is onboard, including COSM amp models for amazing guitar tones, plus a time-stretch algorithm for changing the tempo of your audio tracks without changing pitch — a great tool for both audio editing and phrase training.

COSM AMP MODELING LIST

COSM GUITAR AMP MODELING	
JC-120	MS(1)
CLEAN	MS(2)
CRUNCH	MS(1+2)
MATCH	SLDN
VO DRIVE	METAL
BLUES	METAL D
BG LEAD	

MP3 Playback & Training Tracks

The MICRO BR is capable of loading and playing MP3 files. Import your favorite guitar song via USB, slow down the tempo with no pitch change, and learn your favorite licks. You can even use the MICRO BR as a standard MP3 player.

USB Port For Data Transfer

Import and export audio files to and from the MICRO BR via one simple USB cable. Just connect to your computer of choice, and drag and drop your files. It's that simple! Compatible file types include MP3 and WAV.



Protective Case Included

Included with the MICRO BR is a stylish case designed to allow easy access to the controls and connectors so you never have to remove the case when operating the BR.



OPTIONS



BA-MBR-S
Silicone Rubber Case



BA-M-BR
Play Case



BA-PC15
Earphones/Guitar Cable Set



PSA-120S
AC Adaptor (117 V)



- ① GUITAR IN Jack
- ② LINE IN / MIC Jack (STEREO)
- ③ DC IN
- ④ PHONES / LINE OUT Jack
- ⑤ USB



A SOUND INNOVATOR



NEW

The Ultimate Notebook Studio

Only 27mm Thick, Yet Loaded with Features

BR-600

DIGITAL RECORDER
COSM USB 128 MB CF Card Included

Mini-Mighty Studio with CD-Burner

Record, Mix, & Burn — Anywhere, Anytime

BR-900CD Version 2

DIGITAL RECORDING STUDIO
COSM USB 1 GB CF Card Included

Amazingly Thin, Yet Loaded With Features
The BR-600 provides eight simultaneous playback tracks, but there's more than meets the eye. Each of the eight tracks also contains eight V-Tracks (virtual tracks), which gives musicians quick access to 64 tracks of recorded material. A 128 MB CompactFlash card is included for up to 520 minutes of record time in Hi-Fi mode.

RECORDING TIME (conversion in one track)

	32 MB	64 MB	128 MB	256 MB	512 MB	1 GB
HiFi (MT2)	16 min.	32 min.	65 min.	130 min.	260 min.	520 min.
Standard (LV1)	19 min.	39 min.	78 min.	156 min.	312 min.	624 min.
Long (LV2)	24 min.	49 min.	98 min.	196 min.	392 min.	784 min.

*The recording times shown above are approximate. Times may vary depending on the number of songs created.

Stereo Mic Onboard, Battery Operation
Wherever musicians go, the ultra-portable BR-600 is ready to record. It can operate on six AA batteries (or AC). Quality stereo microphones are built in for point-and-capture recording on the spot. Whether for recording band rehearsals, gigs, or capturing ambient sounds, the BR-600 is all musicians need to get the job done with no hassle.



Extensive Effects with COSM
Process your tracks with the powerful effects built into the BR-600. Derived from BOSS high-end recorders, these quality effects can give even the dullest tracks maximum impact... mistakes can be fixed, mixes can be mastered. Included in the effects suite: COSM guitar and bass amp models plus chorus, delay, reverb, and EQ for every channel. Pitch correction is provided as well.

COSM AMP MODELING LIST

COSM GUITAR AMP MODELING	
JC-120	MS(1)
CLEAN	MS(2)
CRUNCH	MS(1+2)
MATCH	SLOW
VIB DRIVE	METAL
BLUES	METAL D
BIG LEAD	
COSM BASS AMP MODELING	
AC	AMG

Versatile Utility Functions
Once you've recorded your tracks, you can take advantage of the BR-600's versatile utility features. Select regions of audio to move, delete, copy, or paste. Time-stretch any piece of audio to half-tempo without affecting its pitch. Use the Center Canceller to help remove lead vocals from pre-recorded songs. And no matter what you do, you can always revert to a previous editing state thanks to the Undo/Redo function.

Built-in Drum Machine
Ready for an unexpected bonus? The BR-600 has a high-quality drum machine built in! Create perfect backing tracks from the nearly 300 drum/percussion patterns built in (rock, pop, blues, country, R&B, Latin,

and more), or program your own beats using the velocity-sensitive pads. You can even import new sounds with the Tone Load function.

Graphical Rhythm Editor Software Available
You can program your own rhythms and arrangements with BOSS's new drum-editing software application, which is a free download for Mac or PC. It's the best of both worlds.



Notes: Graphical Rhythm Editor software available via free download at www.bosscorp.co.jp. It is not bundled with the BR-600. Editor software is also compatible with BR-900CD Version 2.

Computer Connectivity via USB
The USB port allows the BR-600 to interface directly with computers. With one simple connection, you can store and retrieve data, remotely edit your audio with your favorite audio software, and burn CDs.

Convenient Extras
Each BR-600 ships new from the factory with two handy accessories included for free: a custom BOSS carrying bag and an XLR-to-1/4" mic adaptor.



Eight Tracks & Beyond
No matter what you're recording, or where you are, the BR-900CD makes the job fast and fun. When recording, you can capture two tracks simultaneously, and layer up to 64 V-Tracks (eight V-Tracks per each of the main eight tracks). Once finished, you can select any eight tracks for playback. The BR-900CD can run on AC or battery power, which means you can now make professional-quality recordings any time, any place. BOSS even includes the AC adaptor.



Abundant Recording Time
There's no need to worry about running out of recording time with the BR-900CD. It can record directly to popular CompactFlash cards of up to 1 GB capacity, which provides hours of recording time. The BR-900CD also has the ability to record directly to CD via its internal CD-R/RW.

RECORDING TIME (conversion in one track)

	32 MB	64 MB	128 MB	256 MB	512 MB	1 GB
HiFi (MT2)	16 min.	32 min.	65 min.	130 min.	260 min.	520 min.
Standard (LV1)	19 min.	39 min.	78 min.	156 min.	312 min.	624 min.
Long (LV2)	24 min.	49 min.	98 min.	196 min.	392 min.	784 min.

*The recording times shown above are approximate. Times may vary depending on the number of songs created.

Studio-Quality Effects with COSM® Modeling
Proudly displaying the BOSS logo, the BR-900CD offers a lineup of quality effects that are worthy of the legendary name. In addition to the time-tested standards (reverb, EQ, chorus, delay), the BR provides additional pro-quality effects, such as vocal pitch-correction, bass simulation, pedal wah, and mastering tools. Version 2 also features dozens of new COSM guitar-amp models — a dream for guitarists.

Perfect Vocals
The vocal performance(s) can be perfected with the BR-900CD's pitch correction. This powerful set of editing tools can be used to fix incorrect pitch, and ensure that your vocal tracks always sound great!



Rhythm Programmer Onboard
Songwriters will love the BR-900CD's built-in rhythm programmer, packed with 294 expressive patterns. Use these realistic backing tracks as inspiration for both writing and recording. You can even customize your own beats using the handy Tone Load function.



New Ways to Groove
The original BR-900CD was equipped with a built-in drum machine. Version 2 has a virtual drummer onboard as well, but with an advantage: a downloadable graphical Rhythm Editor software for creating rhythm pattern and arrangements visually via Mac or PC. It's the best of both worlds.

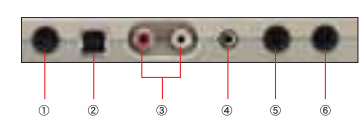


Notes: Graphical Rhythm Editor software available via free download at www.bosscorp.co.jp. It is not bundled with the BR-900CD. Editor software is also compatible with BR-600.

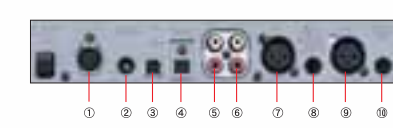
Convenient Built-in Mic
BOSS thought of everything! The BR-900CD's built-in microphone is perfect for times when bringing a mic and cable along isn't practical.

Reliable & Road Ready
The BR-900CD is built to travel, built to last, and built to deliver the solid performance you need from session to session, year after year. While many computer-dependent recording rigs are riddled with OS conflicts, viruses, and other ongoing performance issues, BOSS's brand of award-winning dedicated recorders will get the job done time after time.

USB Compatible
Connect the BR-900CD to the outside world with one convenient USB connection. Import and export audio files and song data quickly and easily. Need to add some drum loops or vocal samples to your song? Simply drag and drop your favorite WAV files from USB-equipped computer directly into the BR-900CD. Conversely, you can export audio that you've created internally on the BR-900CD to computers.



- ① FOOT SW/EXP PEDAL Jack (1/4" phone type)
- ② USB
- ③ LINE OUT Jacks (RCA pin type)
- ④ LINE IN Jack (Stereo miniature phono type)
- ⑤ MIC 1 Jack (TRS 1/4" phone type)
- ⑥ MIC 2 Jack (TRS 1/4" phone type)



- ① MIDI OUT
- ② FOOT SW/EXP PEDAL Jack (1/4" phone type)
- ③ USB
- ④ DIGITAL OUT (optical type)
- ⑤ LINE OUT Jacks (RCA pin type)

- ⑥ LINE IN Jacks (RCA pin type)
- ⑦ MIC 1 Jack (XLR balanced)
- ⑧ MIC 2 Jack (TRS 1/4" phone type)
- ⑨ MIC 2 Jack (XLR balanced)
- ⑩ GUITAR/BASS Jack (unbalanced, 1/4" phone type)

BR SERIES

A SOUND INNOVATOR



The Versatile, Power-Packed 12-Track Complete Recording, from Guitar Pick to Compact Disc

BR-1200CD

DIGITAL RECORDING STUDIO
COSM V-LINK USB BOSS Hard Drive

Digital Recording, Non-Destructive Editing
For recording flexibility, the BR provides 192 V-Tracks (16 V-Tracks per primary track), allowing you to lay down as many guitar solos or vocal takes as needed. Once finished, you can select any 12 tracks for playback — plenty of room for all your instruments and overdubs. You can also get pristine sound quality and the benefit of non-destructive editing.

Multi-Effects & COSM Models
From full dunk to subtle sweetening, the BR-1200CD is equipped with a powerful multi-effects processor. A variety of COSM amp models are in the lineup, including Roland's JC-120, R-Fier, Metal Stack, BOSS Compact Pedal models such as OD-1 and MT-2, and more. Also onboard: a dedicated compressor and a 3-band equalizer for each of the 12 channels, plus an independent reverb and chorus/delay.

Backing Band Built In
Another distinguishing feature of the BR-1200CD is its world-class bass and drum programmer, packed with instruments and patterns to suit a variety of styles. Jam along with the supplied patterns or create your own from scratch. The EZ Compose feature makes ultra-realistic custom programming a snap. There's also a selection of great loop phrases pre-installed on the internal hard drive.

Hassle-Free Recording & CD Burning
Fly from point A to B in record time, thanks to the BR-1200CD's logical arrangement of buttons, knobs, and faders, and its inviting icon-based user interface. Recording, mixing, and CD burning is simple. To record, simply connect an instrument or microphone (XLR inputs with phantom power are provided), and follow the logical flow of controls on the left side of the panel. Use the fader pack in the middle to mix, and press the "Audio CD Write/Play" button to jump to the CD Burning menu.

COSM MODELING LIST

COSM OVERDRIVE / DISTORTION											
BLUES OD	BOOSTER	AMERICAN DS	OD-1	DS1+	ODT FUZZ	MT-2	HEAVY METAL	TURBO OD	DISTORTION	SHV OS	T-SCREAM
COSM GUITAR AMP MODELING											
JC-120	PRO CRUNCH	SATCK CRUNCH	MATCH DRIVE	BG DRIVE	ME HI GAIN	SLOW	METAL STACK	JAZZ COMBO	TWIND	VO DRIVE	BE RHYTHM
FULL RANGE	CRUNCH	VO LEAD	FAT MATCH	MS1	R-FIRE ORANGE	LEAD STACK	METAL LEAD	CLEAN TWIN	BLUES	VO CLEAN	BG LEAD
COSM BASS AMP MODELING											
AC	AMG	FLIP TOP	BASSMAN	BASS 300	T.E.	SESSION	CONCERT 810				

Vocal Magic
Your vocal track(s) can be perfected with the BR-1200CD's Vocal Tool Box. This powerful set of editing tools can be used to fix incorrect pitch, and ensure that your vocal tracks always sound great. And if you're having trouble singing harmonies, the Vocal Tool Box can be used create realistic harmony parts.



- ① USB
- ② MIDI OUT
- ③ MIDI IN
- ④ DIGITAL OUT (optical type)
- ⑤ FOOT SW Jack
- ⑥ EXP PEDAL Jack
- ⑦ LINE OUT Jacks (RCA pin type)
- ⑧ LINE IN Jacks (RCA pin type)
- ⑨ MIC 2 Jack (TRS 1/4" phone type)
- ⑩ MIC 2 Jack (XLR balanced)
- ⑪ MIC 1 Jack (TRS 1/4" phone type)
- ⑫ MIC 1 Jack (XLR balanced)

Head of The Family Pro Features Meet Ease of Use

BR-1600CD Version 2

DIGITAL RECORDING STUDIO
COSM V-LINK USB BOSS Hard Drive

Multi-Mic Recording
The BR-1600CD includes eight sweet-sounding XLR microphone inputs with phantom power. The BR-1600CD's Multi-Track recording mode eliminates confusing routing concepts, and includes essential channel effects such as a compressor, 3-band EQ, and low-cut filter.



Hassle-Free Recording
When recording, you can choose from 256 V-Tracks, allowing you to lay down as many guitar solos or vocal takes as needed. Once finished, you can select any 16 tracks for playback; there's 80 GB of room for all your tracks and overdubs. And since it's digital, you get pristine sound quality and the benefit of non-destructive editing.

- RECORD UP TO EIGHT MICROPHONES IN FOUR EASY STEPS!**
- Connect your microphones.** Adjust the Input Sens knobs and push the "Multi-Track" button to enter the Multi-Track mode.
 - Adjust the effects.** The "Multi-Ch" effect preset will be automatically selected. Use the knobs for easy editing.
 - Push the Level Calibration button.** Send signal and push the "Level Calibration" button on the LCD to have your levels uniformly matched.
 - Push REC and PLAY.** Begin recording to tracks 1-8. You can also select tracks 9-16 as the destination.

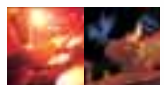
Mind-Blowing Modeling
Plug into the BR-1600CD and you have an arsenal of world-class BOSS effects at your disposal: compression on eight channels, 3-band EQ on all 16 channels, separate insert processing with powerful COSM® overdrive/distortion, amp, and microphone modeling, plus modeling effects optimized for bass and acoustic guitar, and a separate reverb and chorus/delay processor. Forget about external effects — it's all here!

COSM MODELING LIST

COSM OVERDRIVE / DISTORTION											
BLUES OD	BOOSTER	AMERICAN DS	OD-1	DS1+	ODT FUZZ	MT-2	HEAVY METAL	TURBO OD	DISTORTION	SHV OS	T-SCREAM
COSM GUITAR AMP MODELING											
JC-120	PRO CRUNCH	SATCK CRUNCH	MATCH DRIVE	BG DRIVE	ME HI GAIN	SLOW	METAL STACK	JAZZ COMBO	TWIND	VO DRIVE	BE RHYTHM
FULL RANGE	CRUNCH	VO LEAD	FAT MATCH	MS1	R-FIRE ORANGE	LEAD STACK	METAL LEAD	CLEAN TWIN	BLUES	VO CLEAN	BG LEAD
COSM BASS AMP MODELING											
AC	AMG	FLIP TOP	BASSMAN	BASS 300	T.E.	SESSION	CONCERT 810				

Vocal Tool Box
Vocals tracks will never be out of tune again, thanks to the BR-1600CD's powerful Vocal Tool Box features. You can also add a variety of realistic harmony parts with the easy-to-use note/chord sequencer feature, which creates harmonies via chord input!

Powerful Backing Tracks
BOSS's Rhythm Track goes to the extreme. Now you get a separate Drum, Bass, and Loop Phrase track for creating complete backing arrangements. High-quality sounds and phrases are included, and you can even load in your own loops.

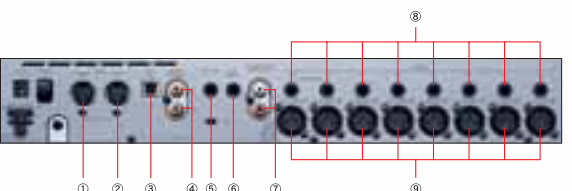


Audio/ Video V-LINK
With V-LINK and an optional Edirol video editor, it's easy to control and manipulate video using the BR-1600CD's buttons and knobs.

Version 2 software includes the following updated features

- COSM Models added (derived from BOSS's GT-6B)
- Enhanced Vocal Tool Box for better vocals and backings
- MIDI Slave capable for control from external MIDI devices
- BR-1180CD/1200CD data compatible

Version 1 BR-1600CD can be upgraded to Version 2 via download.



- ① MIDI OUT
- ② MIDI IN
- ③ USB
- ④ DIGITAL IN/OUT (coaxial type)
- ⑤ FOOT SW Jack
- ⑥ EXP PEDAL Jack
- ⑦ LINE OUT Jacks
- ⑧ INPUT 1-8 Jacks (unbalanced, 1/4" phone type)
- ⑨ MIC 1-8 Jacks (XLR balanced)



Essential Session & Practice Partners


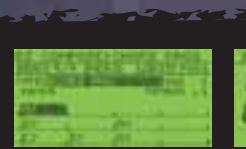
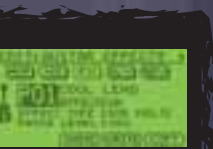
BOSS's famous Dr. Beat and Dr. Rhythm series live on with a new line that's more compact and powerful than ever before. Whether your needs are for simple, play-along timekeeping or full-blown rhythm programming, the world's best tools are right here.



DR-880 Dr. Rhythm COSM TSC USB

World's Best Rhythm Machine

The DR-880 is a rhythm-programming powerhouse that's loaded with world-class drum, percussion, and bass sounds. You can get microscopic with the DR-880 or use the EZ Compose and Groove Modify features, which allow complex patterns to be constructed without note-by-note programming hassles. Guitar and bass players can join the action by plugging directly to the DR-880's Guitar/Bass Input jack, and playing through the built-in COSM® Drive/Amp models and multi-effects.

 <p>EZ compose (Pattern) You can create your own backing rhythms by simply selecting preset patterns for each instrument.</p>	 <p>EZ compose (Chord Progression) Realistic bass phrases can be easily created with chord progression templates.</p>	 <p>Guitar Effects Various types of guitar effects are included, such as powerful COSM amps, and acoustic and bass guitar effects.</p>
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DR-670 Dr. Rhythm

Killer Drums at an Amazing Price

A compact rhythm programmer with the acclaimed sounds from BOSS's higher-end models, the DR-670 raises the bar in its price class with a host of powerful features, including velocity-sensitive pads, 255 top-quality drum and percussion sounds, a bass part for programming bass lines, and more. A foot-control jack allows the DR-670 to be controlled by optional footswitch for hands-free operation.



DR-3 Dr. Rhythm TSC

Your Own Personal Drummer

BOSS's most affordable drum machine for jamming or practice offers realistic drum, percussion, and bass sounds. Rhythm Progressions with variations also provide intuitive track arranging. There are 100 preset styles and 100 user styles onboard; user patterns can be programmed via realtime record or step entry. A footswitch input provides easy live control. The DR-3 runs on AC or battery power.



A SOUND INNOVATOR

DB-90 Dr. Beat

The Do-Everything Dr. Beat

Practice in style with the flagship of the Dr. Beat Metronome line. The DB-90 is loaded with quality sounds and drum patterns, a Rhythm Coach function with onboard microphone, a reference-tone for tuning, an Instrument input, MIDI input, and a Note Mixing function for customizing the play-along rhythms.



DB-60 Dr. Beat

More Than a Metronome

The DB-60 is a deluxe metronome that can lay down the click in style. Program your own beats or choose from a variety of patterns. Tap in your tempo, and clock your practice with the Stop Watch and Timer features.



DB-30 Dr. Beat

The Take-Along Timekeeper

More than just a simple timekeeper, this pocket-sized metronome can lay down a variety of rhythm patterns and time feels. It offers tap tempo, internal reference tones (12 semitones), and other timekeeping features to make practicing fun.





Essential Tools for The Working Musician



BCB-60 Pedal Board

Works with All BOSS Pedals!

The BOSS BCB-60 Pedal Board is a convenient way to set up and transport all your compact effects. The unique padded interior can be customized to fit a range of gear, while a built-in AC adaptor cranks out 1,000 mA of power — enough to run up to seven devices!



*Compact pedals and tuner not included and shown only for photography purposes.



BCB-30 Pedal Board

Convenient Small-Format Pedalboard

The BCB-30 is a convenient way for guitarists and bass players to transport and use their BOSS compact effects pedals. Made of high-quality molded resin, this case is perfect for small pedalboard setups.

*Compact pedals not included and shown only for photography purposes.



DI-1 Direct Box

High-Quality DI

The DI-1 is a 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.



MOBILE CUBE

Battery Powered Stereo Amplifier Roland

The All-Purpose Portable Amp

Plug into instant audio entertainment with the new MOBILE CUBE amplifier. Small and mighty, this little stereo amp can handle all types of electronic instruments and audio devices, and can be used anywhere, anytime.



BA-CB3 Carrying Bag

Padded Gig Bag for BOSS Gear

The BA-CB3 cushioned carrying bag is ideal for transporting BOSS products such as the GT-10, GT-10B, RC-50 and BR-1200CD. It features a rubber silicon base, internal compartments for power adapters and cables, a shoulder strap and hand-carry handles. A mesh pocket is also provided to accommodate a drink container.



FS-6 DUAL FOOTSWITCH

Two For One

Two switches in one, BOSS's FS-6 combines latch- and momentary-type switching into one unit. With two switches conveniently housed side-by-side, the FS-6 allows each switch to be set for latch or momentary operation. Pick the configuration that best suits your playing style and setup.



CM-30 CUBE MONITOR

Roland

The Multi-Purpose CUBE

Versatile and portable, the CM-30 CUBE Monitor delivers 30 watts of audio punch through a high-quality 6.5" coaxial 2-way speaker with stereo preamp. The CM-30 is ideal for home-studio and wide-ranging monitoring applications thanks to its compact and rugged design.



BA-CB1 Gig Bag

Gig Bag for BOSS ME Series

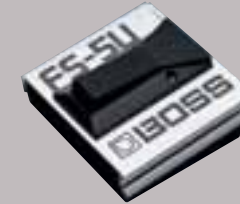
For guitarists and bass players on the go, BOSS offers the BA-CB1 gig bag. Perfectly sized for BOSS gear such as the ME-20, ME-20B, ME-50, ME-50B and anything else, the attractive bag features handles, side compartments, a shoulder strap, and internal cushioning.



AB-2 2-WAY SELECTOR

Switch Guitars or Amps with a Stomp!

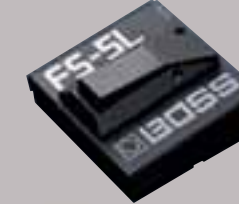
The AB-2 2-Way Selector can be configured as a two inputs/one output selector or a two outputs/one input selector — letting you freely switch between two instruments or two amplifiers, for example.



FS-5U Footswitch (Unlatch)

Unlatched

The FS-5U is a metal-cased momentary "unlatch"-type footswitch that can be connected using an ordinary guitar cable.



FS-5L Footswitch (Latch)

Latched

The FS-5L is a metal-cased latch-type footswitch with a LED to indicate status. It can be connected with a standard guitar cable.



* MICRO BR is not included.

BA-M-BR MICRO BR Play Case

Stylish Protective Case with Access to Controls

The BA-M-BR is the leather-like protective case for the BOSS MICRO BR. It's designed to allow access to the controls and connectors, so you can operate the MICRO BR even while it's in the case. The case can be hand-carried or attached to a belt with its included clip and Velcro hoop.

* MICRO BR is not included.

BA-MBR-5 Silicone Rubber Case

Silicone Rubber Case for MICRO BR

Made of a soft silicone rubber material, this specially designed case allows the BOSS MICRO BR to be used while inside the protective covering. The case guards against dirt, scratches, and minor impacts, and keeps the recorder from slipping on smooth surfaces.



EV-5 Expression Pedal Roland

Express Yourself

The EV-5 Expression Pedal can be used to control a range of functions and effects parameters in real time. It's ultra compact travel-friendly, and can fit perfectly onto guitar pedalboards or under synthesizer setups.



RH-300 Headphone

Roland

High-quality Headphones

Roland's top-of-the-line headphones for the ultimate in sound quality, appearance, and performance. The 45mm (1-13/16") drivers and neodymium magnets deliver dynamic, full-range performance. The snug fit shuts out external sound.



BA-PC15 Earphones/Guitar Cable Set

Earphones & Guitar Cable for MICRO BR

Perfect for MICRO BR owners, the BA-PC15 Accessory Pack comprises two essential items for recording on the go: high-quality in-ear stereo headphones and a 5" guitar cable with gold-plated connectors.



PCS-20A 8PIN Parallel DC Cable

Roland

PCS-31 Audio Cable

(Stereo 1/4" ↔ 2 x 1/4"; 2.2 m)

Roland

MSC-50/25/15 MIDI Cables

(5.0/2.5/1.5 m)

Roland

PSA-series AC Adaptor

(117/230/240 V)

SPECIFICATIONS

CH-1	6
● Controls E.LEVEL, EQ, RATE, DEPTH ● Current Draw 22 mA (DC 9 V)	
CEB-3	7
● Controls E.LEVEL, LOW FILTER, RATE, DEPTH ● Current Draw 22 mA (DC 9 V)	
AW-3	7
● Controls DECAY, MANUAL/VOWEL 2, SENS/VOWEL 1, MODE ● Current Draw 50 mA (DC 9 V)	

OC-3	7
● Controls DIRECT LEVEL, OCT 1 LEVEL, CONTROL, MODE (POLY/RANGE/OCT 2/DRIVE) ● Current Draw 50 mA (DC 9 V)	

TR-2	7
● Controls RATE, WAVE, DEPTH ● Current Draw 20 mA (DC 9 V)	

BF-3	7
● Controls RES, MANUAL, DEPTH, RATE, MODE (ULTRA, STANDARD, GATE/PAN, MOMENTARY) ● Current Draw 40 mA (DC 9 V)	

PH-3	7
● Controls RATE, DEPTH, RES (resonance), STAGE (STEP/RISE/FALL/12/10/8/4) ● Current Draw 50 mA (DC 9 V)	

DD-3	7
● Controls S.LEVEL, F.BACK, D.TIME, MODE (HOLD/L.800ms/M.200ms/S.50ms) ● Current Draw 45 to 65 mA (DC 9 V)	

DD-7	7
● Controls E.LEVEL, F.BACK, D.TIME, MODE ● Current Draw 55 mA (DC 9 V)	

PS-5	7
● Controls BALANCE, D. TIME/SPEED, H.R. KEY, PITCH, MODE (PITCH SHIFTER/ HARMONIST/DETUNE/T.ARM/FLUTTER) ● Current Draw 50 mA (max.) (DC 9 V)	

RV-5	8
● Controls E. LEVEL, TONE, TIME, MODE (SPRING/PLATE/HALL/ROOM/GATE MODULATE) ● Current Draw 50 mA (DC 9 V)	

NS-2	8
● Controls THRESHOLD, DECAY, MODE (MUTE/REDUCTION) ● Current Draw 20 mA (DC 9 V)	

LS-2	8
Controls MODE, LEVEL (A, B) ● Current Draw 25 mA (DC 9 V)	

LMB-3	8
● Controls LEVEL, ENHANCE, RATIO, THRESHOLD ● Current Draw 17 mA (DC 9 V)	

SYB-5	8
● Controls EFFECT, DIRECT, FREQ, RES, DECAY/RATE, MODE ● Current Draw 50 mA (DC 9 V)	

FOOT PEDAL	
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PW-10	8
● Nominal Input Level -20 dBu ● Input Impedance 1 MΩ ● Nominal Output Level -20 dBu ● Output Impedance 1 kΩ ● Recommended Load Impedance 10 kΩ or greater ● Power Supply DC 9 V: Dry Batteries<AA type> x 6, AC Adaptor ● Current Draw 55 mA (Expected battery life under continuous use; [Carbon: 14 hours], [Alkaline: 38 hours]; These figures will vary depending on the actual conditions of use.) ● Dimensions 100 (W) x 270 (D) x 100 (H; max.) mm (3-15/16" x 10-11/16" x 3-15/16") ● Weight 1.3 kg/2 lbs. 14 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 ● Option AC Adaptor (PSA series)	

FV-500H	8
● Control MINIMUM VOLUME knob ● Connectors INPUT jack, OUTPUT jack, EXP (Expression) jack, TUNER OUT jack ● 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	8
● Control MINIMUM VOLUME knob ● Connectors INPUT jack 1, 2, OUTPUT jack 1, 2, EXP (Expression) jack, TUNER OUT jack ● Dimension 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	8
● Controls Main Volume Pedal, MINIMUM VOLUME Knob ● Connectors INPUT Jacks (1, 2), OUTPUT Jacks (1, 2), TUNER OUT Jack ● Dimensions 86 (W) x 200 (D) x 54 (H) mm (3-3/8" x 7-7/8" x 2-1/8") ● Weight 400 g/14 oz.	

FV-50L	8
● Controls Main Volume Pedal, MINIMUM VOLUME Knob ● Connectors INPUT Jacks (1, 2), OUTPUT Jacks (1, 2), TUNER OUT Jack ● Dimensions 86 (W) x 200 (D) x 54 (H) mm (3-3/8" x 7-7/8" x 2-1/8") ● Weight 400 g/14 oz.	

LEGEND SERIES	
[Compact Pedal Effects Specifications] ● Nominal Input Level -20 dBu ● Input Impedance 1 MΩ ● Nominal Output Level -20 dBu ● Output Impedance 2.2 kΩ ● Recommended Load Impedance 10 kΩ or greater ● Power Supply DC 9 V, Dry battery 6F22 (9 V) type (carbon), Dry battery 6LR61 (9 V) type (alkaline), AC Adaptor (PSA series: optional)	

FBM-1	9-10
● Controls PRESENCE, MIDDLE, BASS, TREBLE, GAIN, LEVEL ● Current Draw 36 mA (DC 9 V) ● Weight 440 g/1 lb. (incl. battery)	

FDR-1	9-10
● Controls GAIN, LEVEL, TREBLE, BASS, VIBRATO, REVERB ● Current Draw 40 mA (DC 9 V) ● Weight 440 g/1 lb. (incl. battery)	

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")	

SL-20	11
● Nominal Input Level -20 dBu ● Input Impedance 1 MΩ ● Nominal Output Level -20 dBu ● Output Impedance 1 kΩ ● Recommended Load Impedance 10 kΩ or greater ● Current Draw 110 mA (DC 9 V) (Expected battery life under continuous use; [Carbon: 7 hours], [Alkaline: 18 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.1 kg/2 lbs. 7 oz. (incl. batteries) ● Accessories Dry battery R6 (AA) type (carbon) x 6 ● Options AC adaptor (PSA-series), Expression pedal: Roland EV-5, FV-500L	

RE-20	11
● Nominal Input Level -20 dBu (INPUT VOLUME knob: center), max +4 dBu ● Input Impedance 1 MΩ ● Nominal Output Level -20 dBu ● Output Impedance 1 kΩ ● Recommended Load Impedance 10 kΩ or greater ● Display Virtual Tape Display ● Current Draw 75 mA (9 V max.) (Expected battery life under continuous use; [Carbon: 9 hours], [Alkaline: 32 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.2 kg/2 lbs. 11 oz. (incl. batteries) ● Accessories Dry battery R6 (AA) type (carbon) x 6 ● Options AC Adaptor (PSA series), Expression pedal (Roland EV-5)	

OD-20	11
● Memories 4 ● Nominal Input Level -20 dBu ● Nominal Output Level -20 dBu ● Dynamic Range 102 dB (IHF-A, typ.) ● Current Draw 85 mA (9 V max.) (Expected battery life under continuous use; [Carbon: 8 hours], [Alkaline: 20 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.1 kg/2 lbs. 7 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 (We recommend that alkaline batteries be used when replacing the batteries.) ● Option AC Adaptor (PSA series)	

EQ-20	12
● Memories 9 ● Nominal Input Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Nominal Output Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Residual Noise Level -100 dBu or less (IHF-A, typ./All Sliders max.) ● Variable Range Equalizer Control: ±15 dB, Level Control: ±15 dB ● Display Custom LCD (backlit LCD) ● Current Draw 120 mA (9 V) (Expected battery life under continuous use; [Carbon: 3.5 hours], [Alkaline: 12 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.1 kg/2 lbs. 7 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 (We recommend that alkaline batteries be used when replacing the batteries.) ● Option AC Adaptor (PSA series)	

CE-20	12
● Memories 4 ● Nominal Input Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Nominal Output Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Residual Noise Level -93 dBu or less (IHF-A, typ.) ● Current Draw 160 mA (9 V max.) (Expected battery life under continuous use;	

[Carbon: 4 hours], [Alkaline: 10 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.1 kg/2 lbs. 7 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 (We recommend that alkaline batteries be used when replacing the batteries.) ● Option AC Adaptor (PSA series)

DD-20	12
● Nominal Input Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Nominal Output Level GUITAR/BASS: -20 dBu, GUITAR AMP SEND/RETURN: +4 dBu ● Residual Noise Level -93 dBu or less (IHF-A, typ.) ● Display Custom LCD (backlit LCD) ● Current Draw 200 mA (9 V max.) (Expected battery life under continuous use; [Carbon: 2 hours], [Alkaline: 7 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.2 kg/2 lbs. 11 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 (We recommend that alkaline batteries be used when replacing the batteries.) ● Option AC Adaptor (PSA series)	

RT-20	12
● Nominal Input Level -20 dBu ● Nominal Output Level -20 dBu ● Display VIRTUAL ROTOR ● Current Draw 85 mA (9 V max.) (Expected battery life under continuous use; [Carbon: 6 hours], [Alkaline: 10 hours]; These figures will vary depending on the actual conditions of use.) ● Weight 1.1 kg/2 lbs. 7 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 ● Option AC Adaptor (PSA series)	

TU SERIES	
TU-15	13
● Reference Pitch A4 = 430 to 449 Hz (1 Hz steps) ● Tuning Range E0 to C8 ● Power Supply Dry Battery <R6/LR6 (AA) type> x 2, AC Adaptor (PSA series: Optional) ● Dimensions 149 (W) x 58 (D) x 40 (H) mm (5-7/8" x 2-5/16" x 1-5/8") ● Weight 0.2 kg/7 oz.	

TU-12	13
● Reference Pitch 440 to 445 Hz (1 Hz steps) ● Tuning Range C1 to B5 ● Power Supply Dry Battery (9 V type), AC Adaptor (PSA series: Optional) ● Dimensions 145 (W) x 53 (D) x 35 (H) mm (5-3/4" x 2-1/8" x 1-7/16") ● Weight 0.2 kg/6 oz.	

TU-12H	13
● Reference Pitch 440 to 445 Hz (1 Hz steps) ● Tuning Range C1 to B6 ● Power Supply Dry Battery (9 V type), AC Adaptor (PSA series: Optional) ● Dimensions 145 (W) x 53 (D) x 35 (H) mm (5-3/4" x 2-1/8" x 1-7/16") ● Weight 0.2 kg/6 oz.	

TU-2	8-13
● Reference Pitch A4 = 438 to 445 Hz (1 Hz steps) ● Tuning Range C0 to C8 ● Power Supply Dry Battery (9 V 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") ● Weight 0.4 kg/15 oz. (incl. battery)	

TU-80/TU-80-WH	13
● Reference Pitch A4 = 435 to 446 Hz (1 Hz steps) ● Tuning Range E0 to C8 ● Power Supply Dry Battery <R6/LR6 (AA) type> x 2 ● Dimensions 122 (W) x 68 (D) x 21 (H) mm (4-13/16" x 2-11/16" x 0-7/8") ● Weight 0.1 kg/5 oz. (incl. batteries)	

AD SERIES	
AD-8	14
● Nominal Input Level -20 dBu ● Input Impedance 20 MΩ ● Nominal Output Level -20 dBu ● Output Impedance Unbalanced Output/Electric Guitar Amp Output: 1 kΩ, Balanced Output: 600 Ω, Phones: 33 Ω ● Recommended Load Impedance 10 kΩ or greater ● Reference Pitch A4 = 438 to 445 Hz (1 Hz steps) ● Tuning Accuracy ±3 cents ● Display 7 segments LED ● Connectors INPUT Jack (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), ELECTRIC GUITAR AMP OUTPUT Jack (1/4" phone type), UNBALANCED OUTPUT Jacks A (Mono), B (1/4" phone type), BALANCED OUTPUT Jacks A, B (XLR type), AC Adaptor Jack ● Power Supply DC 9 V: Dry Battery <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series) ● Current Draw 120 mA ● Dimensions 250 (W) x 180 (D) x 60 (H) mm (9-7/8" x 7-1/8" x 2-3/8") ● Weight 1.9 kg/4 lbs. 4 oz. (excl. AC Adaptor) ● Accessory Dry Battery <LR6 (AA) type> x 6 ● Option AC Adaptor (PSA series)	

AD-3	14
● AD Conversion 20 bit ● DA Conversion 20 bit ● Sampling Frequency 44.1 kHz ● Connectors INPUT Jack (1/4"), OUTPUT Jacks (L, R: 1/4" TRS phone type), AC Adaptor Jack ● Power Supply DC 9 V: Dry Batteries x 6, AC Adaptor (PSA series) ● Current Draw 90 mA ● Dimensions 170 (W) x 156 (D) x 70 (H) mm (6-3/4" x 6-3/16" x 2-13/16") ● Weight 1.0 kg/2 lbs. 4 oz. (incl. batteries) ● Accessory Dry Battery <LR6 (AA) type> x 6 ● Option AC Adaptor (PSA series)	

RC SERIES	
RC-50	15-16
● Nominal Input Level INST: -10 dBu, MIC: -50 dBu, AUX IN: -16 dBu ● Nominal Output Level MAIN OUTPUT: -10 dBu, SUB OUTPUT: -10 dBu ● Available Recording Time* STEREO: Approx. 24 minutes, MONO: Approx. 49 minutes * The times listed above take into account the amount of memory needed for the actual recording combined with the memory required for the RC-50's operations (e.g., Undo/Redo). ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segment LED ● Connectors INST Jacks R (MONO)/L (1/4" phone type), MIC connector (XLR types; supports use of phantom power), AUX Jack (Stereo miniature phone type), MAIN OUTPUT Jacks R (MONO)/L (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), SUB OUTPUT Jacks R (MONO)/L (1/4" phone type), EXP/CTL 3, 4 PEDAL Jack (TRS 1/4" phone type), CTL 1, 2 PEDAL Jack (TRS 1/4" phone type), USB, MIDI IN/OUT, DC IN (AC Adaptor) Jack ● Power Supply DC 9 V: Supply AC Adaptor (Roland ACI or ACB series) ● Current Draw 450 mA ● Dimensions 472 (W) x 198 (D) x 64 (H) mm (18-5/8" x 7-13/16" x 2-9/16") ● Weight 2.9 kg/6 lbs. 7 oz. (excl. AC Adaptor) ● Accessories AC Adaptor (Roland ACI, ACB or PSA-S series), USB cable, Sound Library for RC-50 (Sample Phrase CD) ● Options Footswitch (FS-5U), Dual Footswitch (FS-6), Expression Pedal (Roland EV-5), Footswitch cable (Roland PCS-31) (Stereo 1/4" phone plug-1/4" phone plug x 2)	

RC-20XL	12-15-16
● Nominal Input Level INST: -20 dBu (variable), MIC: -40 dBu (variable), AUX IN: -10 dBu ● Nominal Output Level OUTPUT: -20 dBu ● Internal Memory Recording time: 16 min. (max.), Maximum number of saved phrases: 11 phrases (max.) ● Power Supply DC 9 V: Dry Battery <AA type> x 6, AC Adaptor ● Current Draw 120 mA (9 V max.) ● 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, Sound Library for RC-20XL (Sample Phrase CD) ● Options AC Adaptor (PSA series), Footswitch (FS-5U, FS-6)	

RC-2	8-15-16
● Nominal Input Level -20 dBu ● Input Impedance 1 MΩ ● Nominal Output Level -20 dBu ● Output Impedance 1 kΩ ● Recommended Load Impedance 10 kΩ or greater ● Power Supply DC 9 V: Dry Battery, 9 V type 6F22 (carbon), 6LR61 (alkaline), AC Adaptor (PSA series: optional) ● Current Draw 50 mA (DC 9 V), Expected battery life under continuous use; [Carbon: 2 hours], [Alkaline: 6 hours]; These figures will vary depending on the actual conditions of use. ● Dimensions 73 (W) x 129 (D) x 59 (H) mm (2-7/8" x 5-1/8" x 2-3/8") ● Weight 420 g/15 oz. (incl. battery) ● Accessories Dry battery/9 V type (6LR61) ● Options AC Adaptor (PSA series), Foot Switch (FS-5U, FS-6)	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16") ● Weight 4.8 kg/10 lbs. 10 oz. ● Accessories USB cable, GT-PRO software CD-ROM	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16") ● Weight 4.8 kg/10 lbs. 10 oz. ● Accessories USB cable, GT-PRO software CD-ROM	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16") ● Weight 4.8 kg/10 lbs. 10 oz. ● Accessories USB cable, GT-PRO software CD-ROM	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16") ● Weight 4.8 kg/10 lbs. 10 oz. ● Accessories USB cable, GT-PRO software CD-ROM	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16") ● Weight 4.8 kg/10 lbs. 10 oz. ● Accessories USB cable, GT-PRO software CD-ROM	

GT-PRO	
GT-PRO	19-20
● AD Conversion 24 bit + AF method* ● DA Conversion 24 bit ● Sampling Frequency 44.1 kHz ● Program Memories 400: 200 (User) + 200 (Preset) ● Nominal Input Level INPUT: -10 dBu, PRE LOOP RETURN: -10 dBu, LOOP 1/2 RETURN: -10 dBu/+4 dBu ● Input Impedance INPUT: 1 MΩ, PRE LOOP RETURN: 220 kΩ, LOOP 1/2 RETURN: 220 kΩ ● Nominal Output Level DIRECT OUT/TUNER OUT: -10 dBu, MAIN OUT/SUB OUT: -10 dBu/+4 dBu, SUB OUT XLR: +4 dBu, PRE LOOP SEND: -10 dBu, LOOP 1/2 SEND: -10 dBu/+4 dBu ● Output Impedance DIRECT OUT/TUNER OUT: 2 kΩ, MAIN OUT/SUB OUT: 2 kΩ, SUB OUT XLR: 600 Ω, PRE LOOP SEND: 2 kΩ, LOOP 1/2 SEND: 2 kΩ ● Digital Output EIAJ CP1201, S/PDIF ● Display 16 characters, 2 lines (backlit LCD)/2 characters, 7 segments LED ● Connectors <Front> INPUT Jack, PHONES Jack <Rear> INPUT Jack, DIRECT OUT/TUNER OUT Jack, MAIN OUTPUT Jacks L (MONO)/R, SUB OUTPUT Jacks L (MONO)/R, SUB OUTPUT XLR L/R, PRE LOOP SEND Jack, PRE LOOP RETURN Jack, LOOP 1 SEND Jack, LOOP 2 SEND Jack, LOOP 1 RETURN Jack, LOOP 2 RETURN Jack, AMP CONTROL 1 Jack, AMP CONTROL 2 Jack, EXP PEDAL 1 Jack, CTL PEDAL 1, 2 Jack, EXP PEDAL 2/CTL PEDAL 3, 4 Jack, DIGITAL OUT (coaxial), USB, MIDI IN/OUT/TRU ● Power Supply AC 117, 230V, or 240V ● Power Consumption 16 W ● Dimensions 482 (W) x 305 (D) x 89 (H) mm (19" x 12-1/16" x 3-9/16	

ME SERIES

ME-50 25

● **AD Conversion** 24 bit + AF method* ● **DA Conversion** 24 bit
● **Sampling Frequency** 44.1 kHz ● **Patches** 30 (User) ● **Nominal Input Level** INPUT: -10 dBu, AUX IN: -10 dBu ● **Input Impedance** INPUT: 1 M Ω , AUX IN: 100 k Ω ● **Nominal Output Level** -10 dBu
● **Output Impedance** 2 k Ω ● **Display** 1 character, 7 segments LED
● **Connectors** INPUT Jack, GUITAR AMP Jacks L (MONO)/R, AUX IN Jack (Stereo Mini type), PHONES/LINE OUT Jack, AC Adaptor Jack
● **Power Supply** DC 9 V: Dry Batteries <R6/LR6 (AA) type> x 6, AC Adaptor (PSA series: Optional) ● **Current Draw** 120 mA; Expected battery life under continuous use: [Carbon: 3.5 hours], [Alkaline: 12 hours]. These figures will vary depending on the actual conditions of use. ● **Dimensions** 384 (W) x 225 (D) x 78(H) mm (15-1/8" x 8-7/8" x 3-1/8") ● **Weight** 3.15 kg/7 lbs. (incl. batteries) ● **Accessory** Dry Battery <Alkaline: LR6 (AA) type> x 6 ● **Options** AC Adaptor (PSA series), Footswitch(FS-5U)

ME-50B 26

● **AD Conversion** 24 bit + AF method* ● **DA Conversion** 24 bit
● **Sampling Frequency** 44.1 kHz ● **Patches** 24 (User) ● **Nominal Input Level** INPUT: -10 dBu, AUX IN: -10 dBu ● **Input Impedance** INPUT: 1 M Ω , AUX IN: 100 k Ω ● **Nominal Output Level** -10 dBu
● **Output Impedance** 2 k Ω ● **Display** 1 character, 7 segments LED
● **Connectors** INPUT Jack, OUTPUT Jacks L (MONO)/R, AUX IN Jack (Stereo Mini type), PHONES Jack, FOOT SW Jacks (COMP ON/OFF, TEMP), AC Adaptor Jack ● **Power Supply** DC 9 V: Dry Batteries <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** 3.15 kg/7 lbs. (incl. batteries) ● **Accessory** Dry Battery <Alkaline: LR6 (AA) type> x 6 ● **Options** AC Adaptor (PSA series), Footswitch (FS-5U)

ME-20 27

● **AD Conversion** 24 bit + AF method* ● **DA Conversion** 24 bit
● **Sampling Frequency** 44.1 kHz ● **Patches** 30 (user) ● **Nominal Input Level** INPUT: -10 dBu, AUX IN: -18 dBu ● **Input Impedance** INPUT: 1 M Ω , AUX IN: 22 k Ω ● **Nominal Output Level** -10 dBu
● **Output Impedance** 2 k Ω ● **Display** 7 segments, 2 characters LED
● **Connectors** INPUT Jack (1/4" phone type), AUX IN Jack (Stereo miniature phone type), OUTPUT Jacks L/MONO, R (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), FOOT SW Jack (1/4" TRS phone type), AC Adaptor Jack ● **Power Supply** DC 9 V, Dry battery LR6/R6 (AA) type x 6, AC Adaptor (PSA series: Optional) ● **Current Draw** 90 mA, *Expected battery life under continuous use: Alkaline: 13 hours/Carbon: 3.5 hours. These figures will vary depending on the actual conditions of use. ● **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) ● **Accessory** Dry battery <Alkaline: LR6 (AA) type> x 6 ● **Options** AC Adaptor: PSA series, Footswitch: FS-6, FS-5U, Connection Cable: Roland PCS-31 (Stereo 1/4" phone plug - 1/4" phone plug x 2)

ME-20B 28

● **AD Conversion** 24 bit + AF method* ● **DA Conversion** 24 bit
● **Sampling Frequency** 44.1 kHz ● **Patches** 30 (user) ● **Nominal Input Level** INPUT: -10 dBu, AUX IN: -18 dBu ● **Input Impedance** INPUT: 1 M Ω , AUX IN: 22 k Ω ● **Nominal Output Level** -10 dBu
● **Output Impedance** 2 k Ω ● **Display** 7 segments, 2 characters LED
● **Connectors** INPUT Jack (1/4" phone type), AUX IN Jack (Stereo miniature phone type), OUTPUT Jacks L/MONO, R (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), FOOT SW Jack (1/4" TRS phone type), AC Adaptor Jack ● **Power Supply** DC 9 V, Dry battery LR6/R6 (AA) type x 6, AC Adaptor (PSA series: Optional) ● **Current Draw** 90 mA, *Expected battery life under continuous use: Alkaline: 13 hours/Carbon: 3.5 hours. These figures will vary depending on the actual conditions of use. ● **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) ● **Accessory** Dry battery <Alkaline: LR6 (AA) type> x 6 ● **Options** AC Adaptor: PSA series, Footswitch: FS-6, FS-5U, Connection Cable: Roland PCS-31 (Stereo 1/4" phone plug - 1/4" phone plug x 2)

BR SERIES

MICRO BR 30

● **Tracks** Track: 4, V-Track: 32 (8 V-Tracks per each Track), Up to 2 tracks can be recorded simultaneously, and up to 4 tracks can be played back simultaneously. ● **Useful Capacity** SD memory card: 32 MB to 1 GB ● **Data Type** HiFi (MT2), STANDARD (LV1), LONG (LV2) ● **Audio Data Type** (MP3 Mode) MP3 (192 kbps, 44.1 kHz), MP3 (128 kbps, 44.1 kHz), MP3 (64 kbps, 44.1 kHz), WAV (44.1 kHz, 16 bits) *The MICRO BR can play the MP3 in bit rate range of 64 to 320 kbps. ● **Signal Processing** AD Conversion: 24 bits + AF method (GUITAR IN, onboard mic), 24 bits (LINE IN/MIC), DA Conversion: 24 bits, AF method (Adaptive Focus method) *Adaptive Focus is a unique Roland/BOSS technology that allows the signal noise (S/N) ratios of AD and DA converters to be vastly improved. ● **Sample Rate** 44.1 kHz ● **Frequency Response** 20 Hz to 20 kHz ● **Nominal Input Level** GUITAR IN Jack: -20 dBu, LINE IN/MIC Jack: -10 dBu (LINE), LINE IN/MIC Jack: -40 dBu (EXT MIC) ● **Input Impedance** GUITAR IN Jack: 1 M Ω , LINE IN/MIC Jack: LINE: 16 k Ω , EXT MIC, Plug-in Power = Off: 18 k Ω , EXT MIC, Plug-in Power = ON: 2.2 k Ω ● **Nominal Output Level** PHONES/LINE OUT Jack: -10 dBu ● **Nominal Output Impedance** PHONES/LINE OUT Jack: 33 Ω ● **Recommended Load Impedance** PHONES/LINE OUT Jack: 16 to 100 Ω (PHONES), 1 k Ω or greater (LINE OUT) ● **Interface** USB Connector (mini B type) ● **Display** 16 Characters, 2 Lines, 22 icons (White Backlit LCD) ● **Connectors** GUITAR IN Jack (1/4 inch phone type), LINE IN/MIC Jack (Stereo miniature phone type, supports Plug-in Power), PHONES/LINE OUT Jack (Stereo miniature phone type), USB connector (mini B type) ● **Power Supply** DC 9 V: Dry battery LR6 (AA) type (alkaline) x 2, DC 9 V: Supply AC Adaptor (PSA series: sold separately) ● **Current Draw** 140 mA (when you use the PSA series), 320 mA (when you use the dry batteries), Expected battery life under continuous use: Alkaline dry cell batteries Approximately 6 hours (with power save function), *The time may vary according to usage conditions, batteries used, and type of SD memory card used. ● **Dimensions** 136.0 (W) x 81.5 (D) x 21.5 (H) mm (5-3/8" x 3-1/4" x 7/8") ● **Weight** (excl. SD memory card and batteries) 130 g/5 oz. ● **Accessories** Soft Case, Size AA alkaline dry cell batteries (2), Demo card (128 MB SD Memory Card: Already inserted when the MICRO BR is shipped) ● **Options** Play Cover (BA-M-BR), Earphones/Guitar Cable Set (BA-PC15), AC Adaptor (PSA series)

System Requirements (USB Connection)

● **Compatible OS** Windows: Windows® Me/2000 or later, Macintosh: Mac OS 9.1 or later ● **Computer** Windows: Windows®-compatible personal computer equipped with a USB port, Macintosh: Apple Macintosh computer equipped with a USB port ● **Driver** The MICRO BR uses a standard DRIVER that is found on the OS. The DRIVER will be installed automatically once connected with Computer via USB.

BR-600 31

● **Tracks** Track: 8, V-Track: 64 (8 V-Tracks per each Track), Up to 2 tracks can be recorded simultaneously, and up to 8 tracks can be played back simultaneously. ● **Maximum Useful Capacity** CompactFlash: 32 MB to 1 GB ● **Data Type** HiFi (MT2), STANDARD (LV1), LONG (LV2) ● **Signal Processing** <AD Conversion>: [24 bit, $\Delta\Sigma$ Modulation + AF-AD (Guitar/Bass)], [24 bit, $\Delta\Sigma$ Modulation + AF-AD (Mic)], [24 bit, $\Delta\Sigma$ Modulation (LINE)], [24 bit, $\Delta\Sigma$ Modulation (SIMUL)], <DA Conversion>: 24 bit, $\Delta\Sigma$ Modulation, <Internal Processing>: 24 bit (digital mixer section) ● **Sample Rate** 44.1kHz ● **Frequency Response** 20 Hz-20 kHz (+1/-3 dB) ● **Nominal Input Level** (Variable) GUITAR/BASS Jack: -20 dBu, MIC (TRS balanced/XLR) Jack: -40 dBu, LINE IN Jack: -10 dBu ● **Input Impedance** [GUITAR/BASS Jack: 1 M Ω], [MIC 1/2 Jack: 2 k Ω (HOT-COLD), (TRS balanced/XLR), 1.0 k Ω (HOT-GND, COLD-GND)], [LINE IN Jack: 30 k Ω] ● **Nominal Output Level** LINE OUT Jack: -10 dBu ● **Output Impedance** LINE OUT Jack: 2 k Ω , PHONES Jack: 140 Ω ● **Recommended Load Impedance** LINE OUT Jack: 20 k Ω or greater, PHONES Jack: 32-100 Ω ● **Residual Noise Level** LINE OUT Jack: -85 dBu or less (INPUT SELECT: GUITAR/MIC, input terminated with 1 k Ω , INPUT SENS: CENTER, IHF-A, typ., EFFECT: Off) ● **Interface** USB ● **Display** 16 Characters x 2 Lines (Backlit LCD) ● **Connectors** GUITAR/BASS Jack (1/4" phone type), MIC 1 Jack (TRS balanced 1/4" phone type), MIC 2 Jack (TRS balanced 1/4" phone type), LINE IN Jack (Stereo miniature phone type), LINE OUT Jack (RCA pin type), FOOT SW/EXP PEDAL Jack (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), USB ● **Power Supply** DC 9 V: Supply AC Adaptor (PSA series), Size (AA) Dry Battery x 6 ● **Current Draw** 200 mA: Alkaline dry cell batteries, Approximately 5 hours (with continuous playback of 8 tracks), May vary according to usage conditions, batteries used, and type of CompactFlash used. ● **Dimensions** 257 (W) x 183 (D) x 27.1 (H) mm (10-1/8" x 7-1/4" x 1-1/8") ● **Weight** 700 g/1 lbs. 9 oz. (excl. batteries) ● **Accessories** Soft Case, Size (AA) alkaline dry cell batteries (6), TRS-XLR converter cable, Demo Card ● **Option** AC Adaptor (PSC series or PSB-1U)

System Requirements (USB Connection)

● **Compatible OS** Windows: Windows® Me/2000 or later, Macintosh: Mac OS 9.1 or later ● **Computer** Windows: Windows®-compatible personal computer equipped with a USB port, Macintosh: Apple Macintosh computer equipped with a USB port ● **Driver** The BR-600 uses a standard DRIVER that is found on the OS. The DRIVER will be installed automatically once connected with Computer via USB.

BR-900CD Version 2 32

● **Tracks** Track: 8, V-Track: 64 (8 V-Tracks per each Track); Up to 2 tracks can be recorded simultaneously, and up to 8 tracks can be played back simultaneously. ● **Maximum Useful Capacity** CompactFlash card: 32 MB to 1 GB ● **Data Type** HiFi (MT2), STANDARD (LV1), LONG (LV2) ● **Signal Processing** <AD Conversion>: [24 bit, $\Delta\Sigma$ Modulation + AF-AD (Guitar/Bass)], [24 bit, $\Delta\Sigma$ Modulation + AF-AD (Mic)], [24 bit, $\Delta\Sigma$ Modulation (LINE)], [24 bit, $\Delta\Sigma$ Modulation (SIMUL)], <DA Conversion>: 24 bit, $\Delta\Sigma$ Modulation, <Internal Processing>: 24 bit (digital mixer section) ● **Sample Rate** 44.1 kHz ● **Frequency Response** 20 Hz-20 kHz (+1/-3 dB) ● **Nominal Input Level** (Variable) GUITAR/BASS Jack: -20 dBu, MIC 1/2 Jacks (TRS Balanced/XLR): -40 dBu, LINE IN Jacks: -10 dBu ● **Input Impedance** [GUITAR/BASS Jack: 1 M Ω], [MIC 1/2 Jacks (TRS balanced/XLR): 1.5 k Ω (HOT-COLD), 1.0 k Ω (HOT-GND, COLD-GND)], [LINE IN Jacks: 10 k Ω] ● **Nominal Output Level** LINE OUT Jack: -10 dBu ● **Output Impedance** LINE OUT Jack: 2 k Ω , PHONES Jack: 140 Ω ● **Recommended Load Impedance** LINE OUT Jack: 20 k Ω or greater, PHONES Jack: 32-100 Ω ● **Residual Noise Level** LINE OUT Jack: -85 dBu or less (INPUT SELECT: GUITAR/BASS, input terminated with 1 k Ω , INPUT SENS: CENTER, IHF-A, typ., Effect: Off) ● **Interface** DIGITAL OUT (optical type), USB ● **Display** 16 characters x 2 lines + approx. 100 icons (backlit LCD) ● **Connectors** GUITAR/BASS Jack (1/4" phone type), MIC 1 Jack (XLR balanced, TRS balanced), MIC 2 Jack (XLR balanced), LINE IN Jack (RCA pin type), LINE OUT Jack (RCA pin type), DIGITAL OUT connector (optical type), FOOT SW/EXP PEDAL Jack (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), MIDI OUT connector, USB connector ● **Power Supply** DC 9 V: Supplied AC Adaptor, Dry Battery x 6 ● **Current Draw** 300 to 900 mA; Expected battery life under continuous use: [Alkaline: 4 hours]; These figures will vary depending on the actual conditions of use. ● **Dimensions** 351 (W) x 225 (D) x 69 (H) mm (13-7/8" x 8-7/8" x 2-3/4") ● **Weight** 2.2 kg/4 lbs. 14 oz. (excl. AC Adaptor) ● **Accessories** AC Adaptor (PSC series or PSB-1U), Demo Card

System Requirements (USB Connection)

● **Compatible OS** Windows: Windows® Me/2000 or later, Macintosh: Mac OS 9.1 or later ● **Computer** Windows: Windows®-compatible personal computer equipped with a USB port, Macintosh: Apple Macintosh computer equipped with a USB port ● **Driver** The BR-900CD uses a standard DRIVER that is found on the OS. The DRIVER will be installed automatically once connected with Computer via USB.

BR-1200CD 33

● **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 Useful 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. ● **Signal Processing** <AD Conversion>: [24 bit, AF method* (Guitar/Bass)], [24 bit, $\Delta\Sigma$ Modulation (VOCAL)], [24 bit, $\Delta\Sigma$ Modulation (LINE)], [24 bit, $\Delta\Sigma$ Modulation (SIMUL)], <DA Conversion>: 24 bit, $\Delta\Sigma$ Modulation, <Internal Processing>: 24 bit (digital mixer section), <Recording Data>: 16 bit linear ● **Sample Rate** 44.1 kHz ● **Frequency Response** 20 Hz-20 kHz (+1/-3 dB) ● **Total Distortion** 0.05 % or less (INPUT SENS : CENTER, 1 kHz at nominal output level) ● **Nominal Input Level** (Variable) GUITAR/BASS Jack: -20 dBu, MIC 1/2 Jacks (TRS balanced/XLR): -40 dBu, LINE IN Jacks: -10 dBu ● **Input Impedance** [GUITAR/BASS Jack: 1 M Ω], [MIC 1/2 Jacks (TRS balanced/XLR): 12.5 k Ω (HOT-COLD) 6.5 k Ω (HOT-GND, COLD-GND)], [LINE IN Jacks: 22 k Ω] ● **Nominal Output Level** LINE OUT Jack: -10 dBu ● **Output Impedance** LINE OUT Jack: -10 dBu ● **Output Impedance** LINE OUT Jack: 100 Ω ● **Recommended Load Impedance** LINE OUT Jack: 20 k Ω or greater, PHONES Jack: 32-100 Ω ● **Residual Noise Level** LINE OUT Jack: -85 dBu or less (INPUT SELECT: GUITAR/MIC, input terminated with 1 k Ω , INPUT SENS: CENTER, IHF-A, typ., EFFECT: Off) ● **Interface** USB ● **Display** 16 Characters x 2 Lines (Backlit LCD) ● **Connectors** GUITAR/BASS Jack (1/4" phone type), MIC 1 Jack (TRS balanced 1/4" phone type), MIC 2 Jack (TRS balanced 1/4" phone type), LINE IN Jack (Stereo miniature phone type), LINE OUT Jack (RCA pin type), FOOT SW/EXP PEDAL Jack (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), USB ● **Power Supply** DC 12 V: Supply AC Adaptor (Roland PSB-7U) ● **Power Consumption** 3 A ● **Dimensions** 478 (W) x 297 (D) x 95 (H) mm (18-7/8" x 11-3/4" x 3-3/4") ● **Weight** 4.1 kg/9 lbs. 1 oz. (excl. AC Adaptor) ● **Accessories** AC Adaptor: PSB-7U, DISCRETE DRUMS (CD-ROM)

System Requirements (USB Connection)

● **Compatible OS** Windows: Windows® Me/2000 or later, Macintosh: Mac OS 9.1 or later ● **Computer** Windows: Windows®-compatible personal computer equipped with a USB port, Macintosh: Apple Macintosh computer equipped with a USB port ● **Driver** The BR-1200CD uses a standard DRIVER that is found on the OS. The DRIVER will be installed automatically once connected with Computer via USB.

BR-1600CD Version 2 34

● **Tracks** Track: 16, V-Track: 256 (16 V-Tracks per primary Track); Up to 8 tracks can be recorded simultaneously, and up to 16 tracks can be played back simultaneously. ● **Maximum Useful Capacity/Recording Time** Internal Hard Disk: 80 GB *The maximum recording time of the original units (80GB) 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 sixteen tracks contain an equal amount of data, the length of the resulting song will be approximately 1/16 of the time shown. ● **Signal Processing** <AD Conversion>: [24 bit, AF method* (Guitar/Bass)], [24 bit, $\Delta\Sigma$ Modulation (VOCAL)], [24 bit, $\Delta\Sigma$ Modulation (MULTI-TRACK)], [24 bit, $\Delta\Sigma$ Modulation (STEREO TRACKS)], <DA Conversion>: 24 bit, $\Delta\Sigma$ Modulation, <Internal Processing>: 24 bit (digital mixer section), <Recording Data>: 16 bit linear ● **Sample Rate** 44.1 kHz ● **Frequency Response** 20 Hz-20 kHz (+1/-3 dB) ● **Total Distortion** 0.02 % or less (INPUT SENS: CENTER, 1 kHz at nominal output level) ● **Nominal Input Level** (Variable) GUITAR/BASS Jack: -10 dBu, MIC 1-8 Jacks (XLR): -40 dBu, INPUT 1-8 Jacks: -10 dBu ● **Input Impedance** [GUITAR/BASS Jack: 1 M Ω], [MIC 1-8 Jacks (XLR): 12.5 k Ω (HOT-COLD), 6.5 k Ω (HOT-GND, COLD-GND)], [INPUT 1-8 Jacks: 22 k Ω] ● **Nominal Output Level** LINE OUT Jack: -10 dBu ● **Output Impedance** LINE OUT Jack: 2 k Ω , PHONES 1, 2 Jack: 100 Ω ● **Recommended Load Impedance** LINE OUT Jack: 20 k Ω or greater, PHONES 1, 2 Jack: 8-50 Ω ● **Residual Noise Level** LINE OUT Jack: -90 dBu or less (INPUT SELECT: GUITAR/BASS, input terminated with 1 k Ω , INPUT SENS: CENTER, IHF-A, typ.) ● **Interface** DIGITAL IN: S/PDIF 16-24 bit (coaxial type), DIGITAL OUT: S/PDIF 16-24 bit (coaxial type), USB (B type) ● **Display** 130 x 36 mm (backlit LCD) ● **Connectors** MIDI IN/OUT connector, USB connector, DIGITAL IN connector (coaxial type), DIGITAL OUT connector (coaxial type), FOOT SW Jack (1/4" phone type), EXP PEDAL Jack (Stereo 1/4" phone type), LINE OUT Jack (RCA pin type), INPUT 1-8 Jacks (unbalanced, 1/4" phone type), MIC 1-8 Jacks (XLR balanced), PHONES 1 Jack (Stereo 1/4" phone type), PHONES 2 Jack (Stereo 1/4" phone type), GUITAR/BASS Jack (1/4" phone type) ● **Power Supply** DC 12 V: AC Adaptor (Roland PSB-7U) ● **Power Consumption** 3 A ● **Dimensions** 494 (W) x 339 (D) x 99 (H) mm (19-1/2" x 13-3/8" x 3-15/16") ● **Weight** 4.9 kg/10 lbs. 13 oz. (excl. AC Adaptor) ● **Accessories** AC Adaptor: PSB-7U, Effect Patch List, DISCRETE DRUMS (CD-ROM)

System Requirements (USB Connection)

● **Compatible OS** Windows: Windows® Me/2000 or later, Macintosh: Mac OS 9.1 or later ● **Computer** Windows: Windows®-compatible personal computer equipped with a USB port, Macintosh: Apple Macintosh computer equipped with a USB port ● **Driver** The BR-1600CD uses a standard DRIVER that is found on the OS. The DRIVER will be installed automatically once connected with Computer via USB.

DR&DB SERIES

DR-880 35

● **Max. Polyphony** 32 voices; Depending on the bass sound selected, maximum polyphony may be lower ● **Instruments** Drums: 440, Bass: 40 ● **Kits** User: 100, Preset: 100 ● **Rhythm Patterns** User: 500, Preset: 500 ● **Songs** User: 100 ● **Connectors** [Rear] OUTPUT Jacks L(Mono), R (1/4" phone type), L, R (phone type), DIGITAL OUT (coaxial), USB, [CTL] 1/2, 3/4/EXP PEDAL Jack, MIDI IN/OUT, AC Adaptor Jack, [Front] PHONES Jack (Stereo 1/4" phone type), GUITAR/BASS INPUT Jack (1/4" phone type) ● **Power Supply** AC Adaptor (BRC series) ● **Dimensions** 273 (W) x 242 (D) x 72 (H) mm (10-3/4" x 9-9/16" x 2-7/8") ● **Weight** 1.4 kg/3 lbs. 2 oz. (excl. AC Adaptor) ● **Accessories** AC Adaptor (BRC series), DR-880 Driver CD-ROM ● **Options** Footswitch (FS-5U, FS-6), Expression Pedal (EV-5)

DR-670 35

● **Max. Polyphony** 20 voices; Depending on the instruments and drum kits used, max. polyphony may be lower ● **Instruments** Drum: 256, Bass: 16 ● **Rhythm Patterns** User: 200, Preset: 200 ● **Songs** Songs: 100, Song Length: Max. 250 patterns for a song., Total Patterns for all songs: approx. 3,000 ● **Connectors** OUTPUT Jacks (L, R), PHONES Jack, FOOT SW Jack, MIDI IN/OUT, AC Adaptor Jack (DC 9 V) ● **Power Supply** DC 9 V: Dry Battery x 6, AC Adaptor (PSA series: Optional) ● **Dimensions** 213 (W) x 169 (D) x 53 (H) mm (8-7/16" x 6-11/16" x 2-1/8") ● **Weight** 800 g/1 lbs. 11 oz. ● **Accessory** Dry Battery <Alkaline: LR6 (AA) type> x 6 ● **Option** AC Adaptor (PSA series)

DR-3 35

● **Max. Polyphony** 12 voices ● **Instruments** Drum and Perc: 120, Bass: 12 ● **Rhythm Patterns** User: 100, Preset: 100; 11 patterns for a rhythm pattern ● **Songs** Songs: 100, Song Length: Max. 250 patterns for a song ● **Connectors** OUTPUT Jacks (L, R/RCA phono type), L (PHONES), R (Mono) (1/4" phone type), PHONES Jack (Stereo 1/4" phone type), MIDI IN, AC Adaptor Jack ● **Power Supply** DC 9 V: Dry Battery x 6, AC Adaptor (PSA series) ● **Dimensions** 213 (W) x 185 (D) x 53 (H) mm (8-7/16" x 7-5/16" x 2-1/8") ● **Weight** 700 g/1 lbs. 10 oz. ● **Power Consumption** 200 mA ● **Accessory** Dry Battery <Alkaline: LR6 (AA) type> x 6 ● **Option** AC Adaptor (PSA series)

DB-90 36

● **Metronome** Tempo: 30 to 250 (Accuracy: \pm 0.1%), Beat 1: 1-9, Beat 2: OFF, 1-9, Pattern: 8-Beat x 4, 16-Beat x 3, Shuffle x 3, Funk x 2, Jazz x 2, Blues, Techno, House, Country, Reggae, Clave 3-2, Clave 2-3, Salsa, Rumba, Bossa Nova, Samba, Waltz, Tango, Mambo, Chachacha, March (30 kinds) ● **Rhythm Coach** Time Check, Quiet Count, Gradual Up/Down, Step Up/Down ● **Reference Tone** Reference Pitch: A4=438 Hz-445 Hz (1 Hz steps), Reference Tone Range: C2-B6 (5 octave, 12 semitone) ● **Memory** Metronome: 50, Reference Tone: 10 ● **Auto Power Off** function Turns unit off after 60 min. ● **Indicators** LCD Display, Tempo Indicator LED x 2 ● **Connectors** TRIG IN, START/STOP, MEMORY UP/DOWN, MIDI IN, PHONES x 2 (Stereo 1/4" phone type, Stereo miniature phone type), INPUT Jack, AC Adaptor Jack ● **Power Supply** DC 9V: Dry Battery <6LR61/9V, 6F22/9V> or AC Adaptor (PSA series) ● **Current Draw** 85 mA or less (with reference tone sounding), 190 mA or less (with signals inputting to the INPUT Jack) ● **Dimensions** 122 (W) x 164 (D) x 37.5 (H) mm (4-3/4" x 6-1/2" x 1-1/2") ● **Weight** 450 g/14 oz. (incl. batteries) ● **Accessories** Dry Battery, Soft case

DB-60 36

● **Metronome** Tempo: 30 to 250 (Accuracy: \pm 0.1%), Beat: 1-9, 2+3, 3+2, 3+4, 4+3, 4+5, 5+4, 5+6, 6+5, 6+7, 7+6, 7+8, 8+7, 8+9, 9+8 (23 kinds), Pattern: 8 Beat x 3, 16 Beat x 2, Shuffle x 2, Funk, Dance x 2, Country, Reggae, Clave x 2, Rumba, Bossa nova, Waltz, Tango, Mambo, March (20 kinds) ● **Reference Tone** Reference Pitch: A4=438Hz-445Hz (1Hz steps), Reference Tone Range: C4-B4 (Accuracy: \pm 1 cent) ● **Timer** Setting Range: 1 to 60 minutes ● **Indicators** LCD Display, Tempo Indicator LED x 2 ● **Connector** PHONES Jack (Stereo miniature phone type) ● **Power Supply** Dry Battery <R6/LR6 (AA) Type> x 2 ● **Dimensions** 129 (W) x 84 (D) x 22 (H) mm (5-1/8" x 3-5/16" x 0-7/8") ● **Weight** 200 g/6 oz. (incl. batteries) ● **Accessories** Dry Battery <R6 (AA) Type> x 2, Soft case

DB-30 36

● **Metronome** Tempo: 30 to 250 (Accuracy: \pm 0.1%), Beat: 0-9, 2+3, 3+2, 3+4, 4+3, 4+5, 5+4, 5+6, 6+5, 6+7, 7+6, 7+8, 8+7, 8+9, 9+8 (24 kinds), Rhythm: Quarter note, Eighth note, Eighth rest and eighth note, Triple, Triple with center rest, Sixteenth note, Sixteenth note with sixteenth rest, CLAVE 1, CLAVE 2 (9 kinds) ● **Reference Tone** Reference Pitch: A4 = 438 Hz-445 Hz (1 Hz steps), Reference Tone Range: C4-B4 (Accuracy: \pm 1 cent) ● **Auto Power Off** function Turns unit off after 60 min. ● **Memory** function Stores the settings when the power is turned off. (The Mute status is not stored in memory.) ● **Indicators** LCD Display, Tempo Indicator LED x 2 ● **Connector** PHONES Jack (Stereo miniature phone type) ● **Power Supply** CR2032 lithium battery x 1 ● **Power Consumption** 10 mA or less (with reference tone sounding) ● **Dimensions** 61 (W) x 90 (D) x 20 (H) mm (2-7/16" x 3-9/16" x 13/16") ● **Weight** 70 g/3 oz. (incl. battery) ● **Accessory** CR2032 lithium battery

OPTIONS

BCB-60 37

● **Connectors** INPUT Jack, SEND Jack, RETURN A Jack, RETURN B Jack, OUTPUT A Jack, OUTPUT B Jack, PSC IN Jack, DC OUT Jack ● **Power Supply** DC 9V: AC Adaptor (PSC series) ● **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. ● **Accessories** AC Adaptor (PSC series), 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

BCB-30 37

● **Dimensions** 330 (W) x 81 (D) x 300 (H) mm (13" x 3-3/16" x 11-13/16") ● **Weight** 1.2 kg/2 lbs. 11 oz. ● **Accessories** 4P Parallel DC Cable x 1, L-L Cable (130 mm) x 2 ● **Option** AC Adaptor (PSA series)

FS-6 37

● **Controls** Pedal Switch A, B/POLARITY Switch A, B/Mode Switch A, B ● **Connectors** Jack A, Jack B (1/4" phone type) Jack A & B (TRS 1/4" phone type) ● **Power Supply** DC 9 V: Dry battery/9 V 6F22 (Carbon), 6LR61 (Alkaline) ● **Current Draw** 8 mA (max.) ● **Dimensions** 188 (W) x 91 (D) x 43 (H) mm (7-7/16" x 3-5/8" x 1-3/4") ● **Weight** 500 g/1 lbs. 1 oz. (incl. battery) ● **Accessory** Dry Battery/9 V (6F22)

MOBILE CUBE 37

● **Rated Power Output** 2.5 W +

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Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/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.