Taking Compact Digital Studios to the Next Level.

The BR-1180 Digital Recording Studio is more than a digital recorder,
it's a complete music production system.
You get 10 tracks of hard disk recording, 80 Virtual Tracks,
onboard COSM® effects, a programmable Rhythm Guide drum track and an
optional CD-R/RW drive for burning CDs (standard on the BR-1180CD).
And because it's from BOSS,
you won't lose your wallet—or your patience—owning one.

It's that easy!

Hassle-free Recording!

1 Grab a guitar.
Connect a guitar to the Guitar/Bass input and set Input Select to "Guitar".

2 Select an effect.
Press the Effect button and the BR-1180 will automatically select a guitar effect. Use this one or select another patch as desired.

3 Arm the track.
Press the Status button of the destination track so it lights red.

4 Start recording.
Press REC and PLAY to begin recording.

Ultra-Affordable, Very Portable.

If you're looking for a portable, yet powerful digital recorder, look no further than the BOSS BR-532. This 32-track digital studio plays back four simultaneous tracks and includes a separate Rhythm Guide drum track plus onboard effects. Its compact size and battery power make it perfect for musicians on the go.

Take It Anywhere
The BR-532 uses SmartMedia cards for convenient recording and storage. A built-in microphone and battery power make it possible to record anywhere.

Pro-Quality Features
Though smaller in size, the BR-532 doesn't skimp on features. Powerful digital editing, killer effects, COSM Amp Modeling, an XLR Mic input—it's all here!

BOSS Makes It Easy
With its tape-style controls and logical panel layout, the BR-532 makes recording, editing and mixing music so simple anyone can use it.

Download your free copy of the BR-532 Wave Converter software, which lets you import and export .WAV/AIFF files using an optional SmartMedia reader.
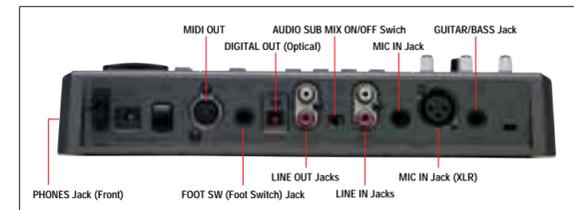
BR-532 SPECIFICATIONS
●Tracks Track: 4, V-Track: 32 (8 V-tracks per each track) *Up to 2 tracks can be recorded simultaneously, and up to 4 tracks can be played back simultaneously. ●Useful Capacity SmartMedia (3.3 V only): 16 to 128 MB ●Data Type HiFi (MT2) STANDARD (LV1) LONG (LV2) ●Signal Processing AD Conversion: 24 bit + AF-AD (Guitar/Bass) / 24 bit + AF-AD (Mic) / 24 bit (Line) / 24 bit (Simul), DA Conversion: 24 bit, Internal Processing: 32 bit (digital mixer section) ●Sample Rate 44.1 kHz ●Frequency Response 20 Hz to 20 kHz (+1/–3 dBu) ●Total Distortion 0.15 % or less (INPUT SENS: CENTER, 1 kHz at nominal output level, data type: MT2) ●Nominal Input Level (Variable) GUITAR/BASS Jack: –24 dBu, MIC (Phone/XLR) Jack: –50 dBu, LINE Jack: –10 dBu ●Input Impedance GUITAR/BASS Jack: 1 MΩ, MIC (Phone/XLR) Jack: 2.2 kΩ (HOT-COLD), 1.1 kΩ (HOT-GND, COLD-GND), LINE Jack: 14 kΩ ●Nominal Output Level LINE Output Jack: –10 dBu ●Output Impedance LINE Output Jack: 2 kΩ, Headphones Jack: 100 Ω ●Recommended Load Impedance LINE Output Jack: 20 kΩ or greater, Headphones Jack: 8 to 50 Ω ●Residual Noise Level LINE Output Jack: –83 dBu or less (INPUT SELECT: GUITAR/BASS, input terminated with 1 kΩ, INPUT SENS: CENTER, IHF-A, typ.) ●Display 20 Characters x 2 Lines (Backlit LCD) ●Power Supply DC 9 V: Supply AC Adaptor (PSA Series), Dry battery x 6 ●Current Draw 200 mA *Expected battery life under continuous use: [Carbon: 2.5 hours], [Alkaline: 7 hours] *These figures will vary depending on the actual conditions of use. ●Dimensions 290.5(W) x 220.5(D) x 65.0(H) mm, 11-7/16(W) x 8-11/16(D) x 2-9/16(H) inches ●Weight 1.8 kg/ 4 lbs (excluding Batteries) ●Accessories Demo Card (32 MB), Dry Battery (LR6[AA]) x 6 ●Options AC Adaptor (PSA Series), Foot Switch (FS-5U), Pedal Switch (DP-2) *0 dBu=0.775 Vrms

BR-532 RECORDING TIME

	16MB	32MB	64MB	128MB
HiFi	8 min.	16 min.	32 min.	65 min.
Standard	9 min.	19 min.	39 min.	78 min.
Long	12 min.	24 min.	49 min.	98 min.

*The recording times shown at left are approximate. Times may vary depending on the number of songs created. *Recording times shown are the total for all tracks used. Therefore, 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 time shown.

BR-532 REAR PANEL
MIDI OUT AUDIO SUB MIX ON/OFF Swich GUITAR/BASS Jack
DIGITAL OUT (Optical) MIC IN Jack
PHONES Jack (Front) FOOT SW (Foot Switch) Jack LINE OUT Jacks MIC IN Jack (XLR) LINE IN Jacks

COSM
Composite Object Sound Modeling
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.

OPTIONS

CDI-BR-1 CD-R/RW Drive for BR-1180 (User-installable)	**FS-5U** Foot Switch (Unlatch)	**PSA Series** AC Adaptor for BR-532	**EV-5** Expression Pedal	**DP-2** Pedal Switch
DR-20 * Dynamic Microphone	**RH-50** Headphones	**DS-90A** ** 24-bit Digital Reference Monitor	**DS-50A** ** 24-bit Digital Reference Monitor	**DS-30A** 24-bit Digital Reference Monitor

* Recommended for COSM Mic Modeling   ** Recommended for COSM Speaker Modeling   ** Recommended for COSM Speaker Modeling

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DIGITAL RECORDING STUDIO

BR-532
DIGITAL STUDIO **COSM** SmartMedia

BR-1180 CD

BR-1180

Digital Recording and CD Burning for Musicians.

XLR and Hi-Z Inputs
Whether recording microphones, electric guitar or keyboards, the BR-1180's XLR Mic inputs with phantom power, Guitar Hi-Z input, and Line inputs have you covered. There's also an optical digital output for direct connection to digital gear.

Onboard Mastering Tools
Included within the BR-1180's stellar effects is the Mastering Tool Kit. This powerful algorithm contains everything you need to master like the pros: multi-band compression, 4-band EQ, an enhancer, limiter, bass cut filter and more.
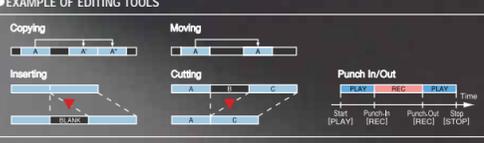
COSM Effects for Killer Tone
From crunchy blues tones to screaming rock leads, the BR-1180's COSM Amp Modeling delivers—no external effects or amps needed! Of course, there's plenty of other goodies like COSM Mic and Speaker Modeling, a Bass Simulator, and a Mastering Tool Kit for great mixdowns. Two Loop processors provide global effects like reverb, chorus and delay.

● COSM Preamp Type

GUITAR						BASS
JC-120	CRUNCH	VO DRV	BG LEAD	MS(2)	SLDN	AC
CLEAN	MATCH	BLUES	MS(1)	MS(1+2)	METAL	AMG
					METAL D	

Massive 20GB Hard Drive
The BR-1180 comes with a 20GB internal hard drive for tons of ultra-reliable recording. Now there's plenty of room to track your next hit.

● Maximum Useful Capacity/Recording Time
● Internal Hard Disk: 20 GB

Data type	Recording time
LIN	60 hours
MT1	120 hours
MT2	160 hours
LV1	190 hours
LV2	240 hours

(conversion in 1 track, times approximate)

* The recording times shown at left are approximate. Times may vary depending on the number of songs and the size of imported data (WAV, etc.).
* Recording times shown are the total for all tracks used. Therefore, if each of the ten tracks contain an equal amount of data, the length of the resulting song will be approximately 1/10 of the time shown.

80-Track Digital Recording
The BR-1180's 10 primary tracks each contain eight "Virtual Tracks"—yielding a total of 80 recording tracks—which can be edited and combined with digital precision (just select any 10 for playback).

Easy CD Burning
With an optional CD-R/RW drive (standard on the BR-1180CD) CD burning and project backup have never been more convenient. Want to share your music? Simply insert the Mastering Tool Kit for punchy multi-band compression, mix down to the stereo Master Track and burn a CD—just like the pros.

Import and Export .WAV/AIFF Files
Import .WAV/AIFF files and CD tracks! A handy Timestretch function makes it easy to sync loops to the tempo of your song. Likewise, you can also export BR-1180 tracks for easy loading into a Mac or PC.

● TEMPO MATCH

Separate Rhythm Track
Need drums? Switch on the Rhythm Track! It's like having a drum machine built right into the BR-1180, stocked with realistic sounds and a variety of patterns for your song.

● PRESET RHYTHM PATTERNS
● ROCK x 6 ● HARD ROCK x 5 ● HEAVY x 5 ● POP x 6 ● BALLAD x 2 ● BLUES x 4 ● R&B x 5 ● JAZZ x 3 ● FUSION x 2 ● HipHop x 2 ● FUNK x 1 ● HOUSE x 1 ● Country x 2 ● OTHER x 3 ● Metronome x 1
* Each style has six forms (intro, verse1, 2, fill1,2, Ending).

Make Your Own Beats
The Rhythm Track is fully programmable, so you can create your own rhythm patterns using realtime or step recording.

● STEP RECORDING

● REALTIME RECORDING

TRACK button	Drum Sound	TRACK button	Drum Sound
[1]	Kick 1	[9/10]	Ride Cymbal
[2]	Snare 1	[V-TRACK]+[1]	Kick 2
[3]	Closed Hi Hat	[V-TRACK]+[2]	Snare 2
[4]	Open Hi Hat	[V-TRACK]+[3]	Claves
[5]	Low Tom	[V-TRACK]+[4]	Cow Bell
[6]	Mid Tom	[V-TRACK]+[5]	High Q
[7]	High Tom	[V-TRACK]+[6]	Metronome (bar)
[8]	Crash Cymbal	[V-TRACK]+[7]	Metronome (bet)

Tracks Status buttons change into Drum pads!

Import Standard MIDI File Patterns
Using the BR-1180CD's onboard CD-R/RW drive, you can load Standard MIDI File (SMF) rhythm patterns on CD-ROM directly into the Rhythm Track for playback.

Simple and Powerful
Like all BOSS products, the BR-1180 is designed to be user-friendly. So if you can use a tape-based studio, you'll be right at home. But unlike other portable studios, the BR-1180 has everything you need to go from idea to mastered CD.

Edit with Confidence
In the past, editing a recording meant hours of splicing and results that were far from perfect. Thanks to digital technology, the BR-1180 lets you cut, copy, paste and move using straightforward commands. Make a mistake? Just hit Undo and you're back to square one.

● EXAMPLE OF EDITING TOOLS

■ INSERT EFFECTS

A.SIM	Acoustic Guitar Simulator	C.COMP/LMR	COSM Comp/Limiter	ENH	Enhancer	MC	Mic Converter	RNG	Ring Modulator
ACP	Acoustic Processor	DES	De-esser	EQ	4-Band Equalizer	NS	Noise Suppressor	S.ATK	Slow Attack
B.SIM	Bass Simulator	DFR	Defretter	FL	Flanger	OCT	Octave	SP	Speaker Simulator
B.CUT	Bass Cut Filter	DLY	Delay	FV	Foot Volume	PH	Phaser	TRM	Tremolo/Pan
CHO	Chorus	DSTN	Distance	LM	Limiter	PS	Pitch Shifter	VT	Voice Transformer
COMP	Compressor	DBL	Doubling	LO-FI	Lo-Fi Box	P.AMP	Preamp	WAH	Wah

■ INSERT EFFECT ALGORITHMS

BANK	ALGORITHM	EFFECTS	BANK	ALGORITHM	EFFECTS
GUITAR/BASS	COSM GUITAR AMP	COMP, P.AMP, SP, EQ/WAH, NS, FV, FL/CHO/PH/PS/DBL/TRM/S. ATK, DLY	MIC	COSM VOCAL COMP	C.COMP/LM, DES, ENH, EQ, NS, FV, DLY
	ACOUSTIC SIM	A.SIM, COMP, EQ, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY		MIC MODELING	MC, B.CUT, DSTN, LM
	BASS SIM	B.SIM, COMP/DFR, NS, FV, FL/CHO/PH/PS/DBL/TRM	LINE	STEREO MULTI	COMP, RNG, EQ/WAH, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY
	COSM COMP G.AMP	C.COMP/LM, P.AMP, SP, EQ/WAH, NS, FV, DLY		LO-FI BOX	LO-FI, NS
	ACOUSTIC GUITAR	ACP, COMP, EQ, NS, DLY	SIMUL	VO+G.AMP (MIC)	COMP, EQ, NS, DLY
	BASS MULTI	COMP/DFR, OCT, ENH, EQ/WAH, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY		VO+G.AMP (GUITAR)	COMP, P.ANP, SP, NS, DLY
	COSM BASS AMP	COMP, P.AMP, SP, EQ/WAH, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY		VO+AC.SIM (MIC)	COMP, EQ, NS, DLY
	COSM COMP B.AMP	C.COMP/LM, P.AMP, SP, EQ/WAH, NS, FV, DLY		VO+AC.SIM (GUITAR)	A.SIM, COMP, NS, DLY
MIC	VOCAL MULTI	COMP, DES, ENH, EQ, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY		VO+ACOUSTIC (MIC)	COMP, NS
	VOICE TRANSFORMER	VT, NS, FV, FL/CHO/PH/PS/DBL/TRM, DLY		VO+ACOUSTIC (GUITAR)	ACP, COMP, NS

Genuine BOSS Effects
The BR-1180's three onboard effects processors borrow technology found in BOSS pedals and multi-effects, so you know they sound great.

More for Your Money...
● Built-in Chromatic Tuner makes tuning your guitar or bass a snap
● Phrase Trainer slows down guitar licks for easy learning
● Center Cancel function removes lead vocals from recordings
● COSM Speaker Modeling models the characteristics of several popular reference monitors when used with Roland DS-Series monitors
● COSM Mic Modeling changes dynamic mics to sound like studio condensers costing much more
● BR-1180 can be upgraded to BR-1180CD with optional CDI-BR-1 kit

AKG C3000B Recommended for COSM Mic Modeling

■ BR-1180CD/1180 SPECIFICATIONS
● Tracks Track:10, V-Track: 80 (8 V-Tracks per each Track) * Up to 2 tracks can be recorded simultaneously, and up to 10 tracks can be played back simultaneously. ● Signal Processing AD Conversion: 24 bit AF Method (Guitar/Bass), 24 bit AF-AD (Mic), 24 bit (Line), 24 bit (Simul), DA Conversion: 24 bit, Internal Processing: 24 bit (digital mixer section), Recording Data: 16 bit linear (data type: LIN) ● Sample Rate 44.1 kHz ● Frequency Response 20 Hz–20 kHz (+1/–3 dB) ● Total Distortion 0.15 % or less (INPUT SENS: CENTER, 1 kHz at nominal output level, data type: LIN) ● Nominal Input Level (Variable) GUITAR/BASS jack: –10 dBu, MIC 1, 2 jack: –40 dBu, LINE jack: –10 dBu ● Input Impedance GUITAR/BASS jack: 1 MΩ, MIC 1, 2 jack (TRS): 2.2 kΩ (HOT-COLD), 1.1 kΩ (HOT-GND, COLD-GND), MIC 1, 2 jack (XLR): 2.2 kΩ (HOT-COLD), 1.1 kΩ (HOT-GND, COLD-GND), LINE IN jack: 50 kΩ ● Nominal Output Level LINE OUT jack: –10 dBu ● Output Impedance LINE OUT jack: 2 kΩ, PHONES jack: 100 Ω ● Recommended Load Impedance LINE OUT jack: 20 kΩ or greater, PHONES jack: 8–50 Ω ● Residual Noise Level LINE OUT jack: –87 dBu or less (INPUT SELECT: GUITAR/BASS, input terminated with 1 kΩ, 16FUT SENS: CENTER, IHF-A, typ) ● Effects Mixer Effects: [Loop Effects: Chorus/Delay/Doubling, Reverb], [EQ (Two-band equalizer. Independent for each track.)], Insert Effects: 17 algorithms, Speaker Modeling (Reference model are the Roland DS-90/90A and DS-50A), Mastering Effects ● Rhythm/Loop Phrase Resolution: 96 TPQN, Rhythm Patterns: [Preset: 50, User": 999, Song": 999 "User-programmable and SMF-importable], Rhythm Arranges: [Preset: 50, User": 10, Song": 10 "User-programmable], Loop Phrases: [User": 400 (50 x 8 banks), Song": 50 ".WAV/AIFF-importable] ● Display 64 x 40 mm (Backlit LCD) ● Power Supply DC 12 V: Supply AC Adaptor (Roland PSB-3U) ● Power Consumption 3 A ● Dimensions 460 (W) x 273 (D) x 87 (H) mm, 18-1/8 (W) x 10-3/4 (D) x 3-7/16 (H) inches ● Weight BR-1180CD: 3.85 kg/8 lbs. 8 oz., BR-1180: 3.50 kg/7 lbs. 12 oz.(Excluding AC Adaptor) ● Accessories AC Adaptor: PSB-3U, Effect Patch List/Rhythm Pattern List, DISCRETE DRUMS (CD-ROM: BR-1180CD only) ● Options CD-R/RW drive (for BR-1180): CDI-BR-1, Expression Pedal (EV-5), Foot Switch (FS-5U), Pedal Switch (DP-2)
* 0 dBu = 0.775 Vrms
* AF Method (Adaptive Focus method): This is a proprietary method from Roland that vastly improves the signal-to-noise (S/N) ratio of the A/D and D/A converters.

● DISCRETE DRUMS CD (included with BR-1180CD)

■ BR-1180CD/1180 REAR PANEL

DIGITAL OUT (Optical)   PHONES VOLUME Knob   MIC 2 Jack (TRS Phone)
MIDI IN   EXP PEDAL Jack   MIC 1 (VOCAL) Jack (TRS Phone)   GUITAR/BASS Jack
MIDI OUT   PHONES Jack   LINE IN Jacks (L, R)   MIC 2 Connector (XLR Type with phantom power)
FOOT SW (Foot Switch) Jack   LINE OUT Jacks (L, R)   MIC 1 (VOCAL) Connector (XLR Type with phantom power)

BR-1180 CD DIGITAL RECORDING STUDIO COSM

BR-1180 DIGITAL RECORDING STUDIO COSM
Same great features, but without the CD-R/RW drive.

CDI-BR-1 Upgrade the BR-1180 with this user-installable kit.