

BR-1600CD Digital Recording Studio

BOSS' Ultimate 16-Track Studio.

The BR-1600CD Digital Recording Studio combines BOSS' famous, easy-to-use interface with eight XLR inputs for recording eight tracks simultaneously. This affordable 16-track recorder comes loaded with effects for guitars and vocals—including COSM® Overdrive/Distortion, Amp Modeling and a new Vocal Tool Box—plus convenient PCM drum and bass tracks, a 40GB hard drive, CD-R/RW drive and USB port. It's the perfect way to record your band.

COSM
V-LINK
USB



*Actual product appearance may be subject to change.

- 16-track (256 V-Track) digital studio with 40GB hard drive and CD-R/RW drive
- Record all 8 XLR inputs simultaneously—ideal for tracking live performances
- Powerful onboard effects including COSM modeling for guitar, bass and vocals
- New Vocal Tool Box with auto pitch correction and Harmony Sequence function
- 16 individual Track EQs, plus 8 dedicated compressors
- Mastering Tool Kit with multi-band compression for loud and punchy CDs
- Create backing tracks quickly via independent Drum/Bass and Loop Phrase tracks
- USB port for easy data exchange, plus V-LINK video control*

*V-LINK requires Edirol DV-7 PR with software version 1.5 or higher.

Easy Multitrack Recording

The BR-1600CD includes eight sweet-sounding XLR microphone inputs with phantom power. Use them to mic up a drum set or to record your entire band in a single pass. Recording eight tracks at once is easy, thanks to a new “Multi-Track” recording mode—just pick your inputs and start recording while taking advantage of powerful channel effects like a compressor, 3-band EQ and bass cut filter.

Superb Guitar and Vocal Effects

Plug into the BR-1600CD and you've got an arsenal of world-class BOSS effects ranging from reverb, delay and modulation to the latest modeling effects for guitar, bass and vocals. These include powerful overdrive/distortion and amp modeling identical to the BOSS GT-6, acoustic and bass effects, plus mic modeling and a new Vocal Tool Box. This special algorithm includes auto pitch correction to keep you in tune, plus a Harmony Sequence function for creating realistic harmonies—no background singers needed!

Build Your Own Backing Tracks

The BR-1600CD now includes separate Drum, Bass and Loop Phrase tracks for creating complete backing arrangements. The Drum and Bass tracks come with high-quality PCM sounds. The Loop Phrase track can be loaded with user samples, or you can choose from a collection of loop phrases pre-loaded onto the hard disk. Using these tracks, you can build professional-quality arrangements for your guitar and vocals.

Complete Connectivity with USB and V-LINK

The BR-1600CD's USB port makes it easy to load .WAV/AIFF files into a track, or export your audio for further editing in software or data backup. Want to integrate video with your music? Using V-LINK and an optional Edirol video editor, you can control and manipulate images using the BR-1600CD's buttons and knobs. It's easy and you'll love the results. With the BR-1600CD, the sky's the limit!



BR-1600CD Specifications

■ **Tracks** Track: 16 V-Track: 256 (16 V-Tracks per each 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: 40 G bytes / Recording Time; 120 hours (conversion in one track) * The recording times shown above are approximate. Times may vary depending on the number of songs and size of imported loop phrase that were created. * The recording time s shown are the total for all tracks used. Therefore, 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 connector (B type) ■ **Display** 130 x 36 mm (Backlit LCD) ■ **Connectors** MIDI IN connector, MIDI OUT connector, USB connector, DIGITAL IN connector (coaxial type), DIGITAL OUT connector (coaxial type), FOOT SW jack (1/4 inch phone type), EXP PEDAL jack (Stereo 1/4" phone type), LINE OUT jacks (RCA Phono 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-3U) ■ **Power Consumption** 3 A ■ **Dimensions** 494 (W) x 339 (D) x 99 (H) mm, 19-1/2 (W) x 13-3/8 (D) x 3-15/16 (H) inches
 ■ **Weight** 4.9 kg / 10 lbs 13 oz (Excluding AC Adaptor) ■ **Accessories** AC Adaptor: PSB-3U, Owner's Manual, Effect Patch List, DISCRETE DRUMS (CD-ROM)

* 0 dBu=0.775 Vrms

* The specifications are subject to change without notice.