

BB-800

Portable SD Card Recorder



The BB-800 is built to record virtually anything anywhere with CD-quality and is able to play music or speech with many options. Thus, this unit is the ideal tool for any musician, music teacher, composer, choirmaster or school.

You can record from the four built-in mics, XLR connectors or line input directly to an SD memory card. This makes live recordings as easy as overdubs, where vocals or a solo instrument are mixed with an existing recording. Unwanted material can be removed from files with the divide function. Recordings can be made in uncompressed WAV format, or in MP3 format in one of three quality levels. The files can then be transferred to a computer by a card reader for further processing or to be burned to CD. (If you need a unit with built-in CD recorder, have a look at the Tascam **BB-1000CD**.) Monitoring is possible via headphones output or the built-in loudspeakers driven by a 10 watts digital amplifier. During playback, you can choose from many useful features: Set locate markers to ease navigation within a track, use loops to repeat a marked section, change the playback tempo and/or key and make use of a metronome and a chromatic tuner. A Part Cancel feature makes practising with commercial music easier by reducing the level of vocals or solo instruments. The unit can be operated by the included AC adapter or eight AA batteries. An infrared remote control is supplied as standard.

Main Features

- **Boom box style recorder including everything needed for digital recording to SD/SDHC card**
- **Perfect tool to record and play everything anywhere**
- **Easy operation with dedicated knobs and keys**
- **Direct recording to SD/SDHC card**
 - WAV format (16 bit / 44.1 kHz)
 - MP3 format (High / Mid / Low bit rate, 44.1 kHz)
- **Four built-in microphones (switchable front/rear) for flexible setups including 360-degree recording – perfect for choir and band recording or minutes recording**
- **Two XLR mic inputs with +48V phantom power**
- **Automatic or manual recording level**
- **Switchable Auto Gain Control (high/low) or limiter**
- **Line input and output (RCA)**
- **Headphones output (mini jack)**
- **Two built-in 3-inch loudspeakers**
- **5 W + 5 W digital amplifier (Class D Delta-**
- **Special playback features for music lessons, language lessons, dancing schools, fitness centres etc.**
 - Loop playback
 - Flash Back function to skip back by a certain amount (1–5 seconds)
 - Tempo change between –50 % and +16 % without affecting the key
 - Key change by ± 6 semi-tones without affecting the tempo
 - Part cancel feature with adjustable pan point to reduce the level of vocals or solo instruments on a given recording
 - Overdub feature to mix a solo instrument or vocals with the playback sound while recording
 - Marker function to locate to certain playback positions
 - Metronome with LED indicator
 - Chromatic tuner
- **Auto-Recording feature allows recordings to be started/stopped automatically by level**
- **File divide function (to cut unwanted noise**

Sigma modulation with 512 times oversampling by 1-bit amplifier technology)

- **from recordings, for instance)**
- **Powered through 8 x AA alkaline batteries or AC adapter (PS-1225L, included)**
- **Wireless remote control supplied as standard**

Specifications

General	
Recording/playback media	SD card (64 MB to 2 GB) or SDHC card (4 GB to 32 GB)
Recording/playback format	MP3
Sampling rate	44.1 kHz
Resolution	16 bit
Bit rate (recording)	Low: 64 KBit/s Mid: 128 KBit/s High: 192 KBit/s
Bit rate (playback)	32–320 kBit/s (fixed or variable bit rate, VBR with restrictions)
Recording/playback format	WAV
Sampling rate	44.1 kHz
Resolution	16 bit
File system	FAT partition: FAT16/32
Built-in microphones	Front: L/R (omni-directional) Rear: L/R (omni-directional)
Loudspeakers	2 x 3-inch (7,5 cm)
Amplifier	Class D digital amplifier, 1-bit technology, Delta-Sigma modulation with 512 times oversampling

Audio inputs and outputs	
Mic input (stereo)	XLR-3-32, balanced (1 = ground, 2=hot (+), 3=cold (-))
Nominal input level	-13 dBu
Maximum input level	+3 dBu
Minimum input level	-55 dBu
Input impedance	2.4 kOhm
Line input (stereo)	RCA, unbalanced
Nominal input level	-10 dBV
Maximum input level	+6 dBV
Minimum input level	-22 dBV
Input impedance	20 kOhm
Line output (stereo)	RCA, unbalanced
Nominal output level	-10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ohm
Headphones output	Stereo mini jack (3.5 mm)
Maximum output power	>30 mW + 30 mW (THD+N less than 1 %, 32 Ohm load)

Audio performance	
Frequency response	20 Hz – 20 kHz (±1 dB)
Distortion (THD+N)	0.05 % (1 kHz, 20-kHz LPF)
S/N ratio	88 dB(A) (1 kHz, 20-kHz LPF)

Power supply and other specifications	
Power supply	AC adapter 8 AA batteries (NiMH or alkaline)
AC adapter input	100–240 V AC, 50–60 Hz
AC adapter output	12 V DC
AC adapter output current	2.5 A
Battery life (alkaline, continuous operation)	CD playback by loudspeakers: About 1.5 hours SD card recording/playback by loudspeakers: About 2.5 hours SD card recording/playback by headphones: About 4.5 hours
Power consumption	30 W (CD playback, +6 dBV line input, maximum loudspeaker output)
Operating temperature	5–35 °C
Controllable range of the remote control	Head-on to the sensor: 7 m 15° left/right from the sensor: 4 m
Dimensions (W x H x D)	380 mm x 205 mm x 107 mm
Weight	3.2 kg

Design and specifications subject to change without notice.

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