

Multi-track technology for the 21st century

BLACKBOX BBR64-DANTE RECORDER

Capture live multi-channel audio for Performance, Broadcast, Film & TV Sound applications



64 channels in one rack unit

The JoeCo BLACKBOX BBR64-DANTE RECORDER is based on the award-winning, tried and tested BlackBox Recorder design. However, rather than being limited to recording 24 channels of audio, the BBR64-DANTE is designed to record and replay up to 64 channels of audio data from a Dante network using standard Broadcast WAV files.

Developed to solve the inherent problems of working with computer-based systems in a live performance environment, the BlackBox Recorder provides engineers with a computer-free, high-quality solution for multi-channel live audio capture. The BlackBox **BBR64-DANTE** Recorder can capture up to 64 channels of audio at 44.1kHz and 48kHz directly to Broadcast WAV files on an external USB2 (FAT32 formatted) drive.

The recorder connects to any Dante-enabled network device from a range of console and converter manufacturers including Yamaha, MIDAS, DiGiCo and Focusrite to name but a few. Designed to support standard network components and switches, it can also record 8 channels of analogue (balanced line in) alongside 56 channels of Dante for capturing audience and ambience.

The **BBR64-DANTE** will lock to the incoming Dante audio stream, as well as locking to or generating word clock. The headphone output can monitor the internal mix or PFL individual/pairs of channels, which are also sent to the hi-resolution meters.

The recorder is designed to be supremely simple to use, requiring just a network connection, power and a USB2 drive before pressing the RECORD button. A full colour LCD screen and striking LED displays show all the information the recording engineer needs in order to know what's happening. The recorder can also be remotely controlled and monitored via JoeCoRemote for iPad.

The **BBR64-DANTE** includes numerous safety features, inherited from the original BlackBox Recorder, to keep your recording as secure as possible. Safe'n'Sound Record Recovery will recover files even if the power fails in the middle of a recording.

An additional software add-on turns the **BBR64-DANTE** Recorder into a BlackBox Player, enabling synchronous or instant playback of audio material for various applications.

Features:

- 64-channel record or playback at 44.1 and 48 kHz.
- Connects to any Dante-enabled network device from a range of console and converter manufacturers.
- Only 1 rack unit tall (435 x 44 x 170mm) and weighing just 2.1kg.
- Records standard broadcast WAV files to an external USB2 drive. Captured audio material can be imported into any digital workstation for instant re-purposing. No file transfer necessary.
- Simple to operate and understand.
- Simple to see what's going on to disk.
- Headphone monitoring of internal mix, or PFL monitoring of individual/pairs of channels. Hi-res metering.
- Safe'n'Sound Record Recovery protects your files in case of power failure.
- Files can be time-stamped with respect to incoming timecode.
- Track, Song and Folder naming.
- Remote control via QWERTY keyboard, MIDI, Sony 9-pin, JoeCoRemote.
- Multiple units can be stacked for larger track counts.
- Optional Player software add-on for synchronous or instant audio playback.

Technical Specifications:

General

Sample rates:	44.1kHz, 48kHz, (88.2kHz, 96kHz at reduced track count)
Bit depths:	16 / 24bit
Disk interface:	USB2 - easy to obtain
Disk Format:	FAT32 - compatible with both Mac and PC
File format:	Broadcast Wave (BWA) - universally readable
External drive:	1 off USB2 (480Mbit/sec): Supports USB2 RAID arrays.

File type:	Standard mono Broadcast WAV files mono or multichannel WAV
Monitoring:	Headphone output of internal mix or mono/dual mono PFL with hi-res metering

Physical:	Size: 19" rack mounting x 1U (435 x 44 x 170mm) Weight: < 2.1kg DC input: 9-16V dc (PSU supplied) Power: < 20W
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User Interface:	Full Colour LCD screen Individual channel status LEDs Hi Res PFL metering
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Audio i/o

Record / playback:	64ch record or playback @ 44.1kHz and 48kHz via Dante
Inputs:	Dante Ethernet connection on RJ45 ethernet jack 8ch balanced analogue line inputs
Outputs:	Dante Ethernet connection on RJ45 ethernet jack Headphone output for PFL listen

Control and Synchronisation

Audio clock synchronisation:	Lock to incoming Dante audio stream or separate word clock. Can also generate word clock
Control:	QWERTY keyboard, MIDI, Sony 9-pin, JoeCoRemote



BBR64-DANTE Rear Panel



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