

## Multi-track technology for the 21st century

# BLACKBOX BBR-DANTE RECORDER

Designed for a range of applications including Live Music, Broadcast, Film & TV Sound - in fact just about anything that requires the capture of multiple channels of live audio material via Dante network.



## 32 channels in one rack unit

The JoeCo **BLACKBOX BBR-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 **BBR-DANTE** is designed to record and replay up to 32 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 BBR-DANTE Recorder** can capture up to 32 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 Allen&Heath, 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 24 channels of Dante for capturing audience and ambience.

The **BBR-DANTE** will lock to or generate word clock, as well as locking to the incoming Dante audio stream. Individual channels or pairs of channels can be monitored on an internal PFL bus providing both hi-resolution metering and headphone output.

The recorder is designed to be supremely simple to use, requiring just the input and output connections, power and a USB 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 **BBR-DANTE** also 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.

- 32-channel record and 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 instantly imported into any digital workstation for re-purposing.
- Simple to operate and understand.
- Simple to see what's going on to disk.
- PFL bus for monitoring individual / pairs of channels, providing both hi-resolution metering and headphone monitoring.
- 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.
- Multiple units can be stacked for larger track counts.

## Technical Specifications:

### General

Sample rates:	44.1kHz, 48kHz, (88.2kHz, 96kHz at reduced track count)
Bit depths:	16 / 24 bit
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 (such as the Glyph or Drobo devices).
File type:	Standard mono Broadcast WAV files
Monitoring:	Headphone output provides mono or dual mono pre fade listen (PFL) of any channel 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
User Interface:	Full Colour LCD screen Individual channel status LEDs Hi Res PFL metering

### Audio i/o

Record / playback:	32ch record and playback @ 44.1kHz and 48kHz via Dante
Inputs:	Dante Ethernet connection on RJ45 ethernet jack 8 ch 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,

## BBR-DANTE Rear Panel



### BBR-DANTE Distributed by:

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