

## 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 or playback at 44.1kHz and 48kHz.
- 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.
- 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 / 24bit
Disk interface:	USB2 - easy to obtain
Disk Format:	FAT32 - compatible with both Mac and PC
File format:	Broadcast Wave (WAV) - 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 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,



## BBR-DANTE Rear Panel



### BBR-DANTE Distributed by:

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