# BLACKBOX RECORDER



## **Specifications:**

### Sample Rates supported: 44.1kHz, 48kHz, 88.2kHz & 96kHz

## **Analogue Inputs**

levels: -10dB / +4dB switchable
Max input level: +20dBU = 0dBFS
A-D conversion: 24 bit, 96kHz
106dB S/N; 96dB THD+N (typical A-weighted 48kHz)

#### Timecode

Frame Rates: 24, 25, 29.97 drop and non-drop, 30 fps

#### **Analogue Outputs**

levels: -10dB / +4dB switchable Max output level: +20dBU = 0dBFS D-A conversion: 24 bit / 96kHz 106dB S/N; 94dB THD+N (typical A-weighted 48kHz)

#### **Physical**

19" rack mountable - 1U high Dimensions: 425mm x 150mm x 44mm Weight: 2.1kg; dc input: 7.5V - 12V Power consumption: <25W

## **Rear Panel Connections:**

#### Analogue i/o

3 x 25 way Male D-type supplied with looms to 1/4" stereo TRS jacks (for mixer insert points - tip send, ring return)

#### (Loop through outputs)

8 x 1/4" stereo TRS jack sockets (Ch 17-24 only: tip send, ring return)

## Monitoring

1 x 1/4" stereo TRS jack socket: Headphone output

#### **Control and Synchronisation**

- 1 x 1/4" TRS jack socket: Linear Time Code / Footswitch
- 1 x 5-pin DIN: MIDI Time code (MTC) and MIDI machine control (MMC) protocol
- 1 x 9-pin Male D-type: SONY PII protocol
- 2 x RCA sockets: AES/SPDIF word clock + communications to auxiliary units

#### **Other Connectors**

- 1 x USB2 (480Mb/S) interface to disk drive
- 1 x mini DIN: PS2 keyboard socket
- 1 x 2.5mm dc inlet (7.5Vdc power) power adapter supplied

## **Options (Factory fit only)**

**AES/EBU interface:** provides 24 channels of digital input and output to AES-3 (2003) specification on 3 x 25way D-type connectors

**ADAT interface:** provides 24 channels of digital input and output via 6 x TOSlink optical connections (N.B. This option restricts sample rate to 44.1kHz or 48kHz)

**Balanced i/o:** the balancing option accepts and provides full electronically balanced inputs and output signals at unity gain. The pin out of the 25 way D-types has been designed so that you can use the same i/o cables as the standard unit.

**Ethernet interface:** can provide up to Gigabit Ethernet speeds for file transfer in a permanent installation.



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