

Specification

SDI input	
Standards	SMPTE 259M - 143Mb/s NTSC, 177Mb/s PAL, 270Mb/s 525/625 component and the 360Mb/s wide screen formats.
Connector	75Ω BNC
Signal Level	800mV p-p ±10%
Return loss	>15dB to 270MHz
Cable equalisation	>350m automatic at 270Mb/s (Belden 8281)
SDI outputs	
Standards	As input
Connector	75Ω BNC
Signal level	800mV p-p ±10%
DC offset	<500mV
Return loss	>15dB to 270MHz
Performance	
Rise/fall time	0.75nS to 1.5nS (amplitude 20% & 80%)
Jitter	<0.15UI
Power	
Voltage	6-12V DC
Current	250mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)
Other	
LED	Shows power & signal presence
Temperature range	0°C to 40°C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	175g
<i>We reserve the right to change technical specifications without prior notice. E&OE.</i>	



User Guide



4401 SDI re-clocking DA

SDI input up to 360Mb/s with automatic cable equalisation and with 4 re-clocked outputs.

www.miniblox.com

DTL Broadcast Ltd, Johnson's Estate, Silverdale Road, Hayes, Middlesex, UB3 3BA, UK
 Phone: +44 (0) 20 8813 5200 Fax: +44 (0) 20 8813 5022
 Internet: www.dtl-broadcast.com support@dtl-broadcast.com

DTL MiniBlox™ - solutions in a box

General description

The 4401 distribution amplifier is suitable for all SDI data rates up to 360Mb/s. It has automatic input cable equalisation and provides 4 re-clocked outputs.

It is housed in an extremely compact and rugged aluminium case ideally suited to both studio and portable applications.

Main features

- Supports all data rates up to 360Mb/s.
- 4 re-clocked outputs.
- SMPTE 259M compatible.
- Automatic input cable equalisation to over 350m at 270Mb/s.
- Compact and rugged design
- Locking connector for PSU

Installation and operation

The unit is simple to use and install.

- Connect a valid 270Mb/s SDI input.
- Connect SDI outputs as required.
- Apply power to the unit either via the locking power connector from the external power supply or 1U rack frame, or by sliding into the 2U rack mounting frame with central power supplies.
- The LED will be green when there is power and a valid 270Mb/s SDI signal present. Red indicates the input signal is absent.
- The mounting bracket supplied can be used to install a MiniBlox unit. The bracket should first be fixed vertically to any surface. The MiniBlox can then be lowered onto the dovetail part of the bracket with the front endplate uppermost to retain it.

EU declaration of conformity

We certify that this apparatus conforms to the requirements of the EMC and Low Voltage Directives. Emissions EN55103-1, susceptibility EN55103-2 and safety EN60950-1 2002.

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Warranty

DTL Broadcast Ltd warrants this unit against defects in materials and workmanship for a period of one year from the date of shipment. At its option, the company will repair or replace products that prove to be defective during the warranty period, provided they are returned to the company with advance notification and with freight prepaid. Repairs may only be conducted by an authorised representative of the company. As a result any unauthorised repair or attempted repair will automatically void the warranty.

When a distributor supplies the company's products, that distributor should be approached initially if there are any warranty problems.

The company makes no other warranties, express or implied, as to the merchantability, fitness for a particular purpose, or otherwise. The company's liability for any cause, including breach of contract, breach of warranty, or negligence, with respect to products sold by it, is limited to repair or replacement by the company, at its sole discretion. This remedy is exclusive. In no event shall the company be liable for any incidental or consequential damages, including loss of profits.