



OxBox Mini 4500 Analogue Distribution Amplifier

Key Features

- Differential Looping Input
- Three Outputs
- Inherently good CMMR
- Signal Presence LED
- Gain & Equalization adjustment for 450m of cable
- Control reset function
- Compact & robust design
- Locking Connector for PSU



The Oxbox Mini broadcast quality analogue video distribution amplifier. It has a looped input and 4 outputs. There are controls to adjust the gain and equalization, as well as a button to reset the gain and equalization to standard for minimum cable length. It is housed in an extremely compact and rugged aluminum case ideally suited to both studio and portable applications.

They can be used individually or rack mounted. Up to 5 can be housed in the 1U rack mounting frame or up to 14 in the 2U rack mounting frame, although power supply options may reduce rack capacity.

For first class sales and support contact Oxygen DCT at the following address or via the online website shop.

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Specifications

Analogue Input

Impedence	High Impedence bridging 75 Ohm Termination
Connector	75 Ohms
Common Mode Signal	2V Maximum peak-to-peak
CMMR	>60dB to 15KHz, >40dB@5MHz
Return Loss	>46dB to 5.5MHz
Cable Equalization	0-450m (Belden 8281)

Analogue Output

Number	Looping Input + 3 Outputs
Connector	BNC
Signal Level	1V p-p
DC Offset	<±20mV
Return Loss	>46dB to 5.5MHz
Isolation	Up >70dB to 5.5MHz 800m
Electrical Length	11ns Eq set to 0M, 7nS Eq set to 150M

Performance

Gain	±3dB
Frequency response	±0.1dB to 20MHz, ±0.25dB to 30MHz, -1dB at 50MHz
Differential gain	<0.1% (12.5-87.5% APL)
Differential phase	<0.1° (12.5-87.5% APL)

Power

Voltage	6-12V DC
Current	150mA
Power connector	Locking 2.5mm jack connector

Other

LED	Shows power & signal presence
Temperature range	0°C to 45°C
Dimensions	63.5mm x 40mm x 30mm
Weight	150g

Ordering Information

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Options

- 4412 SDI to universal analogue DAC
- 4000 External power supply (requires primary input plug below)
- 4001 IEC320 C8 primary input connector for 4000 power supply
- 4002 UK mains primary input plug for 4000 power supply
- 4003 Euro mains primary input plug for 4000 power supply
- 4004 USA mains primary input plug for 4000 power supply
- 4005 Australia mains primary input plug for 4000 power supply
- 4010 IU rack mounting frame for up to 5 units
- 4020 2U rack mounting frame for up to 12 units with single or dual PSUs
- 4021 Central power supply for 4020 2U rack mounting frame

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