professional broadcast solutions

audio/video monitors
broadcast delays
utility equipment

8150

Multi-Channel Delay

FEATURES

Compact 1U 8 channel audio delay unit.

Assignable delay from 0-15 fields per audio pair.

Accepts both analogue and AES input sources.

Simultaneous analogue and AES outputs as standard.

Clear and intuitive front panel interface, with recessed controls.

Ideal for multi-channel or stereo operation.

Extremely reliable for 24/7 operation.

Master signal bypass relays fitted as standard.

Designed to exceed current EMC directives.

Fully RoHS compliant.

3 year warranty.

INTRODUCTION

The cost-effective Bel 8150 eight channel audio delay is designed specifically for synchronizing audio to video in post production where video delays are incurred in VT editing and video effects units. It is intended for use where the video delay is known and is likely to be constant, or when frequent changes of delay are not required.

The Bel 8150 can be used with multi-channel audio sources or in a fixed location, with each channel dedicated to a specific item of video equipment.

Both Analogue and AES inputs and outputs are provided. The delay in each stereo pair of delay lines can be changed in 1-field increments (PAL or NTSC) from 0-15 fields.

An input level control, peak LED and AES lock indicator are provided for each stereo pair.

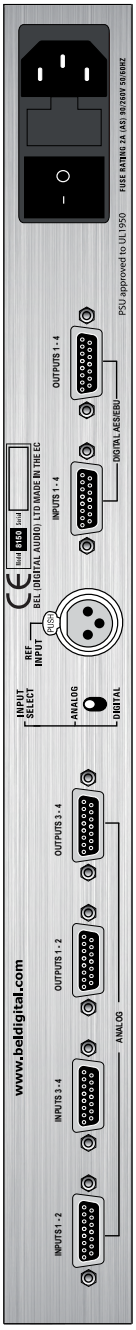
The Bel 8150 controls are recessed to prevent inadvertent operation.

Using high quality converters, the Bel 8150 can also function as a compact multi-channel analogue - digital or digital - analogue converter. This is an ideal solution where space is a premium.

Signal bypass is implemented by relays in the event of power loss.

8150 Technical Specifications

Delay	
Delay increments	0-15 TV fields per audio pair
Channels	8 channels arranged into 4 audio pairs
Video system	PAL or NTSC
Audio	
Frequency response	20Hz - 20KHz ±1dB
Dynamic Range	120dB
Signal to noise ratio	-100dB 20Hz - 20kHz
Distortion	Less than 0.015% at 1kHz
Analogue	
Analogue inputs	8
Analogue input impedance	Electronically balanced 25kΩ 'D' type
Analogue output impedance	Electronically balanced 50Ω 'D' type
Conversion accuracy	A/D 24 bit Sigma Delta 128 x oversampled D/A 24 bit Sigma Delta 128 x oversampled
Digital (AES)	
Digital inputs	4 pairs
Digital input impedance	110 Ω 'D' type
Digital output impedance	110 Ω 'D' type
Conversion accuracy	A/D 24 bit Sigma Delta D/A 24 bit Sigma Delta
AES sample rate	32 to 48kHz
Reference Sampling rate	48kHz AES XLR
General	
Power requirements	90-260 VAC 50/60 Hz
Power consumption	35W
Dimensions	483w x 44h x 200d (1U)
Net weight	3.85kg (8.49lbs)



Product specifications subject to change without prior notice. See website for warranty details.

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