

5110E

Profanity Delay



FEATURES

- Compact 1U stereo audio profanity delay.
- Assignable delay from 2.5 - 40 seconds.
- Accepts both analogue and AES I/O as standard.
- Analogue and AES connectivity for Cart input.
- Auto (catch-up) mode provides unobtrusive introduction of delay, using separate algorithms specifically designed for speech and music.
- Cart mode activates internal relays to trigger cart machine.
- Optional 5110ER remote available.
- 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 affordable Bel 5110E broadcast profanity delay unit offers all the features required by the broadcaster who transmits live programs or phone-ins, allowing continuity of programme output to be maintained at all times.

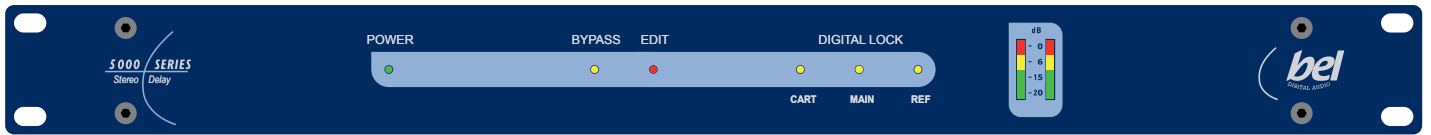
Utilising advanced algorithms, the Bel 5110E features a transparent auto catch-up mode which automatically builds up a delay "on air" in real time, allowing the program to flow without interruption.

Providing from 2.5 to 40 seconds of stereo audio delay, the Bel 5110E can be configured to allow adequate time for the production team or presenter to identify and remove any undesirable program content.

Both programme and cart inputs can be either analogue or AES, allowing installation into both analogue and digital broadcast systems.

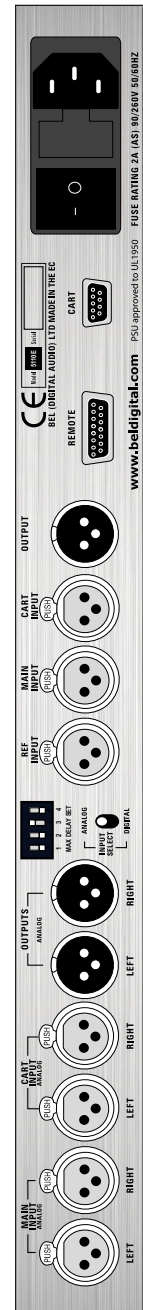
Two auto catch-up algorithms are available for speech or music, selectable from the optional wired remote control or a third-party control panel. Other remote functions include "Edit" and "Delay in/out". When the "Edit" button is pressed the Bel 5110E will delete the audio contained in the delay and either provide automatic cart insert via the cart player interface or unobtrusively reintroduce the delay. All remote functions can be accessed via a rear panel connector.

A fail-safe bypass system protects the programme signal in the event of power failure.



5110E Technical Specifications

Delay	
Audio delay	Variable from 2.5 to 40 seconds
Delay increments	2.5 second increments.
Cart	
Cart Interface	Contact open/closure/tally 9 pin D type connector
Audio	
Frequency response	20Hz - 20KHz ± 1 dB
Dynamic Range	120dB
Distortion	Less than 0.015% at 1kHz
Analogue	
Analogue inputs	2 x XLR3-F (Main), 2 x XLR3-F (Cart)
Analogue input impedance	Electronically balanced 25k Ω
Analogue outputs	2 x XLR3-M
Analogue output impedance	Electronically balanced 50 Ω
Conversion accuracy	A/D 24 bit Sigma Delta 64 x oversampled D/A 24 bit Sigma Delta 64 x oversampled
Digital (AES)	
Digital input Main	1 pair stereo AES/EBU digital (XLR-3F)
Digital input Cart	1 pair stereo AES/EBU digital (XLR-3F)
Digital input impedance	110 Ω
Digital outputs	1 pair stereo AES/EBU digital (XLR-3M) - 48kHz
Digital output impedance	110 Ω
AES sample rate	32 to 50kHz, nominally 48kHz
Reference Sampling rate	48kHz AES XLR3-F
Word length - max	24 bit
External Control	
Remote	15 way D type connector
General	
Power requirements	90-260 VAC 50/60 Hz
Power consumption	35W
Dimensions	483w x 44h x 200d (1U)
Net weight	3.05kg (6.72lbs)



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