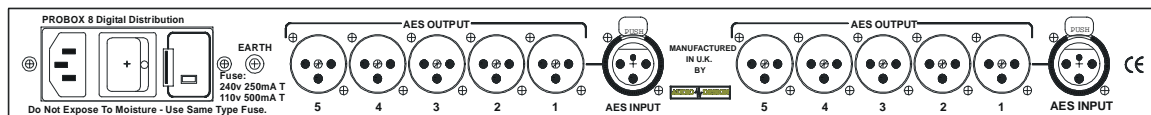




ProBox 8

Digital Signal Distribution



A practical and cost effective solution for distribution of any AES source around multi-machine copying operations. Also useful for splitting digital sources between studios, around various digital processors or sharing digital signals between areas in the dubbing environment etc.

It has two electronically separate AES / EBU format digital inputs, which are each distributed to five independently buffered AES / EBU digital outputs, giving two separate sections of 1 in to 5 out signal distribution configuration.

This is suitable, for instance, to distribute any D-VTR's four audio channel digital format outputs and allow them to be fed to up to five separate pieces of equipment at the same time, around any studio, dubbing facility, or copying suite etc.

For an alternative method of distribution, where the source is only a single AES / EBU digital signal, a suggestion is to connect a short XLR/F - XLR/M lead between one of the outputs and loop it across to the other input. This will then allow a 1 in to 9 out signal distribution configuration.

The unit can also be utilised to distribute S/PDif consumer format Co-axial (RCA-jack / Phono) signals, provided the user is able to adapt to this operational mode by wiring the Phono to XLR connectors in an un-balanced configuration. Note that all DAT sub-code I/D's will be passed through this unit. The S/PDif format cable length limitation is improved, but should still be taken into consideration.



Audio & Design Reading Ltd
51 Paddick Drive, Lower Earley, Reading, Berks RG6 4HF
Tel: +44 (0)118 324 0046, Fax: +44 (0)118 324 0048
email: sales@adrl.co.uk web: www.adrl.co.uk

SPECIFICATION

ProBox 8 – Digital distribution

AES Sections 1 and 2

Section 1: 1 balanced input (XLR-F) to 5 balanced outputs (XLR-M)
Input Impedance: Transformer balanced - 110Ω
Output Impedance: Transformer balanced - 110Ω / 0Ω selectable internal link

Section 2: 1 balanced input (XLR-F) to 5 balanced outputs (XLR-M)
Input Impedance: Transformer balanced - 110Ω
Output Impedance: Transformer balanced - 110Ω / 0Ω selectable internal link

Output DC offset: < 50mV

Input level sensitivity: 400mV p-to-p

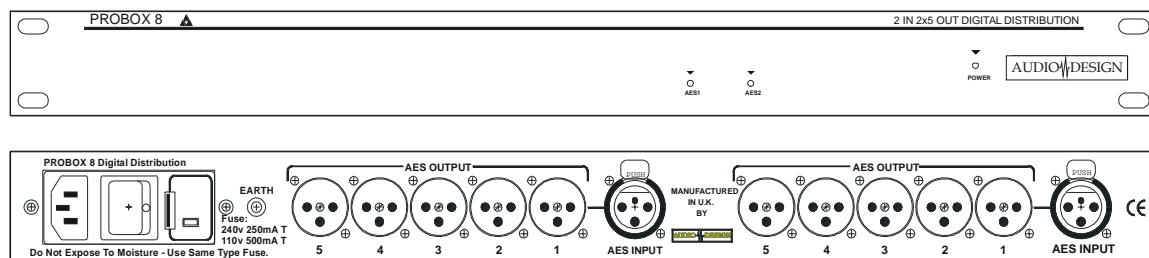
Propagation delay: <100nSec in & out

Jitter: < 1nSec

POWER: 90 - 250V / 45 - 65Hz, IEC inlet with on/off rocker switch
Fuse: 3 Amp anti-surge

SIZE: 482.6mm (19") wide x 44.45mm (1U) high x 160mm deep

WEIGHT: 1Kg



Audio & Design Reading Ltd
51 Paddick Drive, Lower Earley, Reading, Berks RG6 4HF
Tel: +44 (0)118 324 0046, Fax: +44 (0)118 324 0048
email: sales@adrl.co.uk web: www.adrl.co.uk