



TECHNICAL DATA SHEET

CANFORD IMPEDANCE CONVERTERS

20-211 CANFORD BXF16 RACKMOUNT IMPEDANCE CONVERTER AES/EBU, 1U, 16x XLRF to BNC socket

20-212 CANFORD BXM16 RACKMOUNT IMPEDANCE CONVERTER AES/EBU, 1U, 16x XLRM to BNC socket

20-213 CANFORD BXM8F8 RACKMOUNT IMPEDANCE CONVERTER AES/EBU, 1U, 8x XLRM + 8x XLRF to BNC socket

DESCRIPTION

Sixteen-channel AES/EBU digital audio converters, 110 ohm balanced to 75 ohm unbalanced, in a 1U rackmount enclosure with innovative mounting options.

They use the same, proven, high-quality, high-frequency transformer, specially manufactured for Canford, as the in-line units. Balanced 110 ohm connection is by XLR (male or female), unbalanced 75 ohm by BNC female.

They are available in three versions which differ only in the configuration of the XLR connectors. The units are designed to be mountable in a number of different ways within a 19 inch rack, acknowledging that they are utility products that may require no operational access.

Sixteen individual isolated audio circuits are provided in a screened, metal 1U case with XLR connections on one face and BNC on the other. Detachable rack-mounting 'L' brackets are included, which can be fitted at either the BNC or XLR face, making either balanced or unbalanced connection available at the front (or rear) of the rack.

Units are finished in black, printed with channel identification numbers and fitted with snap-on cover designation strips. Templates for printing designation strip labels, available as a DWG file for AutoCAD and compatible applications, can be downloaded from the appropriate product page on the Canford website.

Spare 432mm designation-strip paper (not suitable for printers) and covers are available

INSTALLATION

Brackets may be fitted so the unit mounts flush, or recessed by 30mm, 60mm or 90mm, allowing for cables connected at the front to be routed away behind the front face of the rack. A lacing bar is provided, with a choice of mounting positions (note that the lacing bar cannot be fitted when the unit is mounted recessed by 90mm). Alternatively, the brackets can be fitted at right-angles to the box allowing vertical mounting (either way up) either flush with the rack verticals or at a recess depth of approximately 30mm, 60mm or 90mm (or 120mm or 150mm). The vertical mounting option allows space within a rack behind patch panels or other equipment to be utilised saving valuable front of rack area.

ACCESSORIES

Designation-strip spares:

Paper insert	45-3081
Clear cover	45-3091

TECHNICAL SPECIFICATION

Bandwidth:	0.1 – 6.0 MHz
Voltage:	5.0V peak to peak maximum
VSWR:	Less than 1.1 (0.1-6.0MHz)
Insertion loss:	Less than 0.3dB
Dimensions:	441 x 104 x 44.4 (w x d x h) mm, without rack brackets fitted 19" x 194mm x 44.4mm (w x d x h), with rack brackets fitted
Weight:	1.1kg