



Technical Data Sheet

CANFORD AES/EBU 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

DESCRIPTION

Sixteen-channel AES/EBU digital audio converters with XLR balanced 110 Ohm and BNC unbalanced 75 Ohm connectors housed in a 1U rackmount enclosure that has innovative mounting options. A specially manufactured high quality, high frequency transformer is used for signal conversion.

Sixteen individual isolated audio circuits are provided in a screened, metal 1U case with XLR connections on one face and BNC connections on the other.

Units are finished in black, printed with channel identification numbers and fitted with snap-on cover designation strips. Three versions are offered which differ only in the configuration of male and female XLR connections.

Because balanced AES/EBU signals, (2V up to 7V peak to peak max), can be significantly above the maximum specified for AES unbalanced signal levels, (1V peak to peak), attenuation resistors are included on the PCB for each channel if required. Although normally out of circuit, a solder bridge can be made to implement the attenuation feature. The solder bridges are on the PCB on the opposite side to the XLR and BNC connections.

INSTALLATION/MOUNTING

The 1U housing is designed to be mounted in a number of different ways within a 19-inch rack, acknowledging that they are utility products that may require no operational access. Detachable rack-mounting 'L- brackets' are included, which can be fitted on to either the 'front' or 'rear' face.

Brackets may be fitted so the units face mounts flush, or recessed by 30mm, 60mm or 90mm with respect to the rack strips. 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 recessed depth, (approximately 30mm, 60mm, 90mm, 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

45-3081 Canford Snap-on Designation Strip-2 432mm paper (pack of 4)

45-3091 Canford Snap-on Designation Strip-2 432mm cover (pack of 4)

TECHNICAL SPECIFICATION

Bandwidth	0.1 – 6.0MHz
Maximum Voltage	5.0V peak to peak
VSWR	Less than 1.1, 0.1 – 6.0MHz
Insertion Loss	Less than 0.3dB

Dimensions

441 x 104 x 44.4mm (1U), w x d x h, without rack brackets fitted

482.6 (19") x 194 x 44.4mm (1U), with rack brackets fitted

Weight

1.1kg