The AESIMP-12 series impedance converters allow transmission of AES/EBU digital audio signals, with sampling rates ranging from 22 kHz to 96 kHz, over 75 ohm coaxial cables. The conversion transformer changes a balanced 110 ohm transmission line to an unbalanced 75 ohm transmission line.

The AESIMP-12 series provides twelve XLR-3 type connectors (male or female) on the balanced side and BNC type connector on the unbalanced side. Two versions of the AESIMP-12 are available. The AESIMP-6M6F give 6 converters in each direction. The AESIMP-1M is a single channel converter.

PART NUMBER	110 OHM CONNECTOR		75 OHM CONNECTOR
	3 PIN XLR FEMALE	3 PIN XLR MALE	
AESIMP-1M		1	1 BNC
AESIMP-6M6F	6	6	12 BNC
AESIMP-12F	12		12 BNC
AESIMP-12M		12	12 BNC

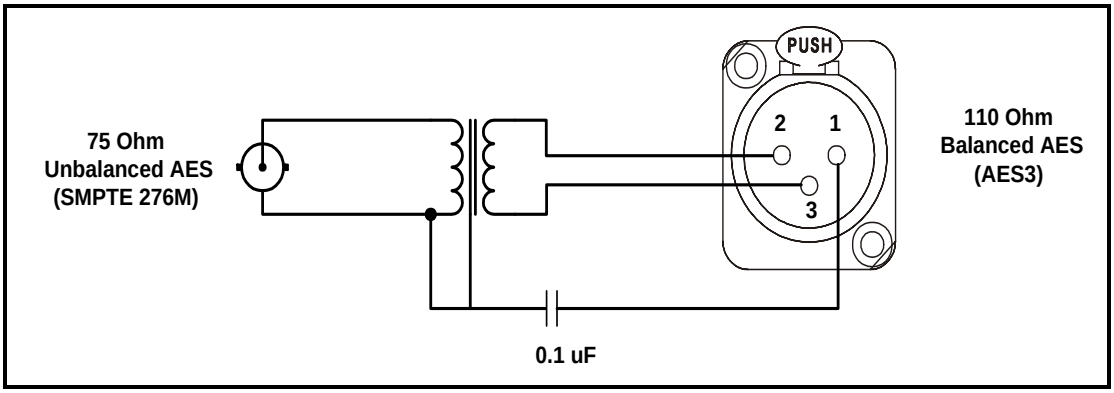

Figure 1: AESIMP-12F Schematic (1 section)

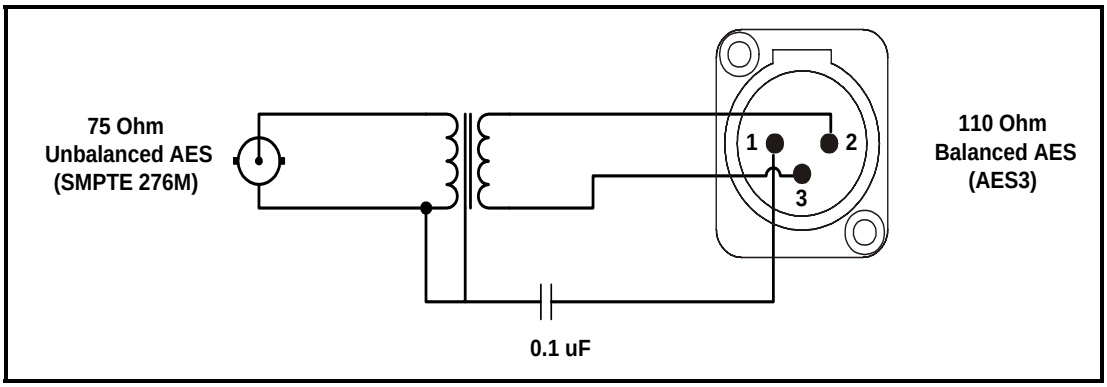

Figure 2: AESIMP-12M Schematic (1 section)

The rack mounting ears may be reversed to orient the panel for the greatest ease of installation. An identification strip holder is provided over the BNC connectors to assist in labelling sources and/or destinations.

Specifications:

Number of Channels: 12
Coupling: Transformer
Turns Ratio: 1.22:1

Unbalanced AES:

Standard: SMPTE 276M, single ended AES
Connectors: BNC per IEC 169-8
Signal Level: approx. balanced level x 0.8, 5 V p-p max
Impedance: 75 Ohms unbalanced

Balanced AES:

Standard: AES3-1992 balanced AES
Connectors: 3 pin Male XLR (AESIMP-12M) or 3 pin Female XLR (AESIMP-12F)
Signal Level: approx. unbalanced level x 1.22, 5 V p-p max
Impedance: 110 Ohms balanced

Dimensions: 17" W x 1.75" H x 3.75" D
(483 mm W x 45 mm H x 95 mm D)

Depth including Connectors: 4.5”

AESIMP-12 Instruction Sheet
Version 1.2 May 2008

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