

AESIMP-1F, AESIMP-1M, AESIMP-16M, AESIMP-8F8M

AES XLR BNC Bulk Impedance Converters

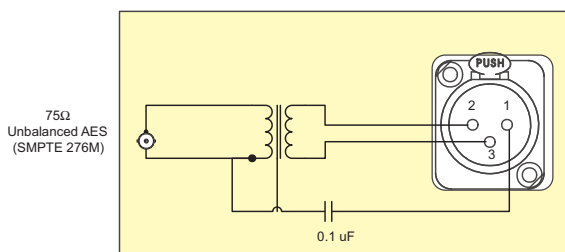


The AESIMP-16 series impedance converters allow transmission of AES/EBU digital audio signals, with sampling rates ranging from 22 kHz to 96 kHz, over 75Ω coaxial cables. The conversion transformer changes a balanced 110Ω transmission line to an unbalanced 75Ω transmission line.

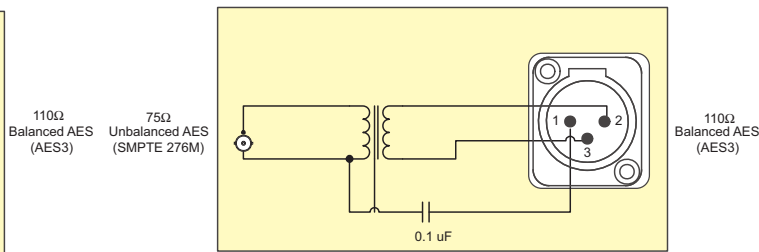
side. Two versions of the AESIMP-16 are available. The AESIMP-8F8M gives eight converters in each direction. The AESIMP-1M is a single channel converter. The rack mounting ears may be reversed to orient the panel for the greatest ease of installation. An identification strip holder is provided over the BNC connectors to assist in labeling sources and/or destinations.

The AESIMP-16 series provides twelve XLR-3 type connectors (male or female) on the balanced side and BNC type connector on the unbalanced

PART NUMBER	110Ω CONNECTOR		75Ω CONNECTOR
	3-PIN XLR FEMALE	3-PIN XLR MALE	
AESIMP-1M		1	1 BNC
AESIMP-1F	1		1 BNC
AESIMP-8F8M	8	8	16 BNC
AESIMP-16F	16		16 BNC
AESIMP-16M		16	16 BNC



AESIMP-16F Block Diagram



AESIMP-16M Block Diagram

Specifications

Number of Channels: 16 (1 on AESIMP-1M)

Coupling: Transformer
Turns Ratio: 1.22:1

Unbalanced AES:

Standard: SMPTE 276M, single ended AES
Connectors: BNC per IEC 61169-8 Annex A
Signal Level: Approx. balanced level x 0.8, 5V p-p maximum
Impedance: 75Ω unbalanced

Balanced AES:

Standard: AES3-1992 balanced AES
Connectors: 3-pin Male XLR (AESIMP-16M) or 3-pin Female XLR (AESIMP-16F)
Signal Level: Approx. unbalanced level x 1.22, 5V p-p maximum
Impedance: 110Ω balanced

Physical:

Dimensions: 17" W x 1.75" H x 3.75" D
(483mm W x 45mm H x 95mm D)
Depth Including Connectors: 4.5"

Ordering Information

AESIMP-1M	In-line transformer with a single BNC to a single male XLR
AESIMP-1F	In-line transformer with a single BNC to a single female XLR

AESIMP-8F8M	8 Female and 8 Male XLR to BNC AES Impedance Matching Panel
AESIMP-16F	16 Channel female XLR to BNC AES Impedance Matching Panel
AESIMP-16M	16 Channel male XLR to BNC AES Impedance Matching Panel