

Digi BalUn

110 to 75 ohm and 75 to 100 ohm



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110-75 ohm and 75-100 ohm Digital Audio Impedance Adapters

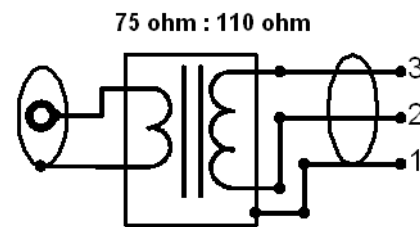
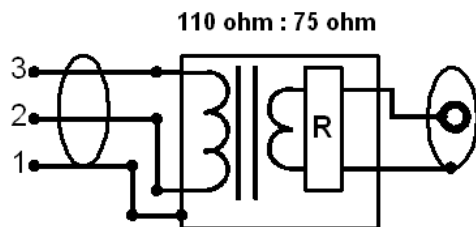
Digital Audio Impedance Adapter allow 75 ohm coaxial transmission of all 2 channel AES/EBU Digital Audio signals. Adapters are designed to passively convert all standard AES/EBU digital audio signals from 110 ohm/XLR3 Output (@ 4.5 Volts) to a 75 ohm BNC coaxial cable and back again to a 110 ohm/XLR3 Input (200mV min). Also provides excellent rejection against hum and RF noise.

Key Features:

- SMPTE 276M and AES3 Transmission Standard
- Coaxial transmission of 2 Channel Digital Audio
- Allows longer cable runs than 110 ohm twisted pair

Digi BalUn is made in two versions:

- XLR female 110 ohms to BNC 75 ohms
- BNC 75 ohms to XLR male 110 ohms



Transformer characteristics:

- Turns ratio: 1 : 1.2
- Maximum primary signal: 160 μ Vs at 8 volts p-p.
- Isolation between windings: 2 kV
- Source impedance: 0 -- 500 ohms
- Optimum load impedance: 200 ohms

We are very proud to use the famous Lundahl Transformers products in our Splitter. Lundahl is a Swedish company that has designed and manufactured superb audio transformers for 50 years. Their quality is attested to by a long list of famous companies in the audio industry and many, many hi-fi enthusiasts.



Interface	AES31	AES3id2	S/PDIF3
Connector	Balanced	Unbalanced	Unbalanced
Weight	XLR-3	BNC	RCA
Impedance	110 ohms	75 ohms	75 ohms
Output Level	2-7 Vp-p	1.0 Vp-p	0.5 Vp-p
Max Output	7 Vp-p	1.2 Vp-p	0.6 Vp-p
Max Current	64 mA	1.6 mA	8 mA
Min Input	0.2 V	0.32 V	0.2 V
Cable	STP4	Coax	Coax
Max Distance	100 m	1000 m	10 m

NOTE: The AES signal at 1V is the same voltage as the analog video signal. Instead of discarding old patch panels for analog video, they can be used for patching AES in the coax format. Check in the service manual or with the manufacturer to see if your distribution amplifier have enough bandwidth and a good squarewave response to handle digital signals.