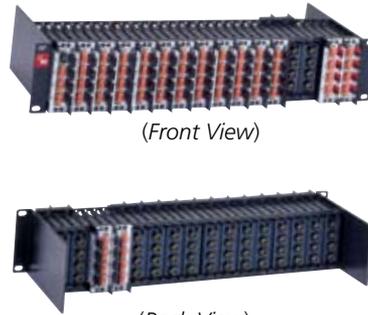


# Digital Audio Coax Baluns Series



**Multi-Circuit  
Digital Audio AES Balun**



**UniPatch System fully loaded with 16 AES  
Baluns for 64 110-75 Ohm circuits**  
*(allows modules to be mounted either way)*



**BNC to XLR  
Inline Baluns**

ADC proudly offers a full series of precision Balun products: three XLR to BNC Inline Baluns; plus numerous Multi-Circuit Baluns that can be used in our UniPatch® system or in throwdown applications.

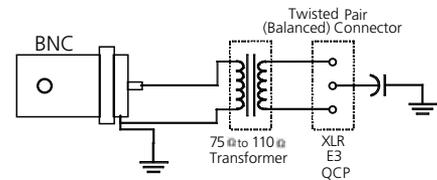
For over 50 years ADC has been the leader in audio and video patching products with unsurpassed quality, reliability and innovation. To complement its full line of connectors, ADC has introduced a series of 110 Ω to 75 Ω AES impedance matching Baluns. By converting balanced signal over twisted pair cable to unbalanced signal over coax, the Audio Coax Balun permits the extension of digital audio signal transmission distances.

## Application

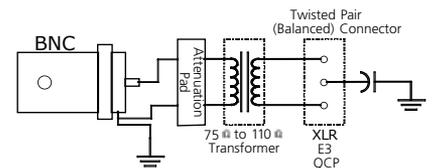
Connects, extends and lengthens digital audio cable runs by converting twisted pair to coax.

## Series Features

- Signal distribution to use with video patch panels, routers and VDAs
- Permits longer cable runs over coax
- SMPTE 276M & AES3 Transmission Standards
- Capable of carrying 2 channels AES/EBU digital audio over coax



**Balun Circuitry**



**Balun Circuitry with Attenuation Pad**

SPEC SHEET





# Digital Audio Coax Baluns Series

## Inline XLR to BNC Baluns

### Features

- Digital Audio Impedance Matching
- Precision machined robust body and connectors



BNC to XLR  
Inline Baluns

## Specifications

### ELECTRICAL

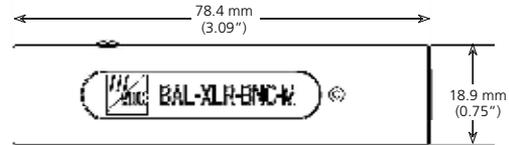
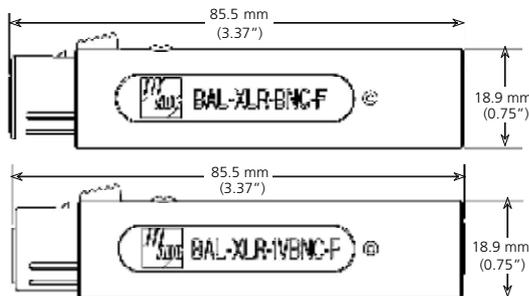
<b>Operating Range:</b>	.1-6 MHz
<b>Maximum Voltage:</b>	5 Vpp
<b>Return Loss:</b>	Better than 23 dB
<b>Insertion Loss:</b>	Better than .26 dB

### MATERIAL

Precision machined brass bodies

### ENVIRONMENTAL

Tested to IEC68, MIL-STD-202



## Ordering Information

Description	Catalog Number
<b>Inline Baluns, Twisted Pair-Coax, 110 Ω – 75 Ω</b>	
Inline Male XLR to BNC Balun	BAL-XLR-BNC-M
Inline Female XLR to BNC Balun	BAL-XLR-BNC-F
Inline Female XLR to BNC Balun with 10 dB Attenuation	BAL-XLR-1VBNC-F

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# Digital Audio Coax Baluns Series

## UniPatch® Multi-Circuit Baluns

Digital Audio Coax

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AES 110 Ohm to 75 Ohm Balun (E3)



Precision transformers, glass epoxy circuit board, True 75 Ohm BNC connectors



AES 110 Ohm to 75 Ohm Balun (QCP)

### Features

- Digital Audio Impedance Matching
- Can be mounted in the standard UniPatch frame or used in a throwdown application
- Uses precision BNC connectors
- Uses E3 or QCP punchdown connectors
- Unique removable attenuation pad capability allows users to control individual circuit's voltage outputs

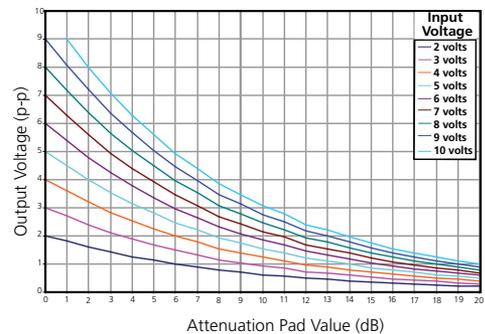
### Specifications

#### ELECTRICAL

**Operating Range:** .1-6 MHz  
**Maximum Voltage:** Variable  
**Return Loss:** Better than 28.5 dB  
**Insertion Loss:** Better than .14 dB

#### ENVIRONMENTAL

Tested to IEC68, MIL-STD-202



Pad any of 4 circuits from 0-20 dB with removable attenuation pad values

### Ordering Information

Description	Catalog Number
UniPatch Multi-Circuit Balun, AES Audio to Coax, 110 Ω – 75 Ω	
UniPatch E3 to BNC 4-Circuit Balun	AM-411075-E3
UniPatch QCP MKII to BNC 4-Circuit Balun	AM-411075-MKII



# Digital Audio Coax Baluns Series

## UniPatch® Multi-Circuit Balun/Audio Splitter

### Features

- Digital Audio Impedance Matching
- Can be mounted in the standard UniPatch frame or used in a throwdown application
- Unique removable attenuation pad capability allows users to control individual circuit's voltage outputs
- Cost efficient splitting done passively without need for active equipment
- Uses E3 or QCP punchdown connectors
- Uses precision BNC connectors



AES 2:4 Splitter Balun

### Specifications

#### ELECTRICAL

- Operating Range:** .1-6 MHz  
**Maximum Voltage:** Variable  
**Return Loss:** Better than 25 dB  
**Insertion Loss:** Better than .2 dB

#### ENVIRONMENTAL

Tested to IEC68, MIL-STD-202

### Ordering Information

Description	Catalog Number
<b>UniPatch Multi-Circuit Balun/Audio Splitter, 110 Ω - 75 Ω</b>	
Split 2-Circuit Input Audio (QCP) into 4-Circuit Output Coax (BNC)	AM-2110-475-MKII
Split 2-Circuit Input Audio (3-Pin) into 4-Circuit Output Coax (BNC)	AM-2110-475-E3

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# Digital Audio Coax Baluns Series

## UniPatch® Multi-Circuit Front Facing Balun

### Features

- Digital Audio Impedance Matching
- Can be mounted in the standard UniPatch frame or used in a throwdown application
- Uses E3 connectors
- Uses precision BNC connectors
- Full front access



**Multi-Circuit  
Front Facing Balun**

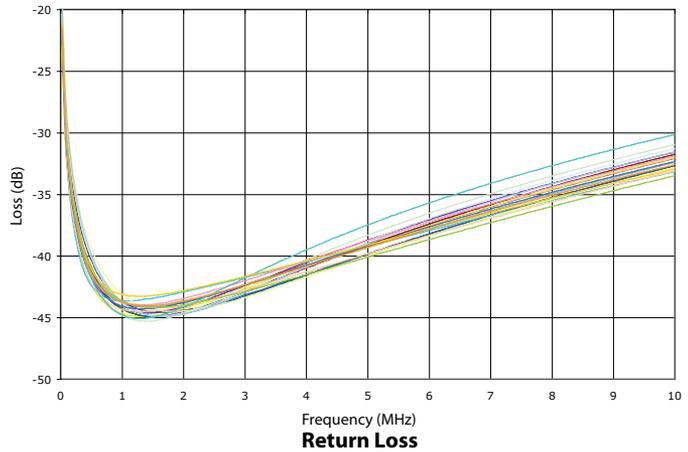
## Specifications

### ELECTRICAL

<b>Operating Range:</b>	.1-6 MHz
<b>Return Loss:</b>	Better than 28.5 dB
<b>Insertion Loss:</b>	Better than .14 dB

### ENVIRONMENTAL

Tested to IEC68, MIL-STD-202



SPEC SHEET

### Ordering Information

Description	Catalog Number
<b>UniPatch Multi-Circuit Front Facing Balun, AES Audio to Coax , 110 Ω – 75 Ω</b>	
UniPatch E3 to BNC Front Facing Balun	AM-411075-E3-FF



### Web Site: [www.adc.com](http://www.adc.com)

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080

Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our Web site.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101

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