

Specifications

Video Distribution Amplifiers:

Nominal Video Level 1 Volt p-p
Level Range 0.5 – 2 Volts p-p
Impedance 75 Ohms
Bandwidth 30 MHz (less than ± 0.5 dB)
Differential Gain <0.1%
Differential Phase <0.1°

Audio Distribution Amplifiers:

Voltage Gain Unity
Frequency Response 20 Hz to 20 KHz
Input Impedance High Z
Output Impedance 50 Ohms (capable of driving 600 ohms)

All A/V DA Models:

Power Supply 100-240 Volts internal switchable 50/60 Hz
Dimensions 1.75"H x 9.5"D (4.45cm x 24.13cm D)
..... Half rack width = 8.72" W (22.15cm)
..... Full rack width = 17.46" W (44.35cm)
MTBF 30,000 Hours
Warranty Two Years, parts & labor

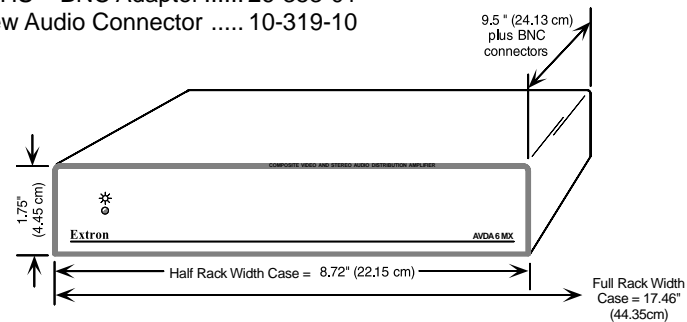
Connectors:

CVDA Models BNC
SVDA Model S-video
SADA Models Five conductor captive screw terminals
AVDA Model BNC & 5-conductor captive screw terminals
SVDA 6A Model S-video & 5-conductor captive screw terminals

Part Numbers

AVDA 6 MX 60-201-01
AVDA 6 MX DUAL 60-201-02
CVDA 6 MX 60-202-01
CVDA 6 MX DUAL 60-202-02
CVDA 6 MX QUAD 60-202-03
SADA 6 MX 60-203-01
SADA 6 MX DUAL 60-203-02
SADA 6 MX QUAD 60-203-03
SVDA 6 MX 60-204-01
SVDA 6A MX 60-353-01

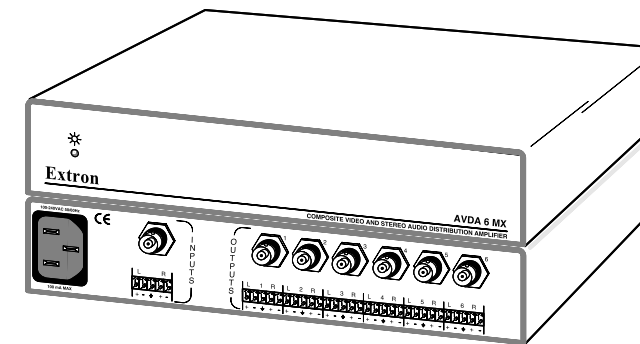
S-VHS – BNC Adapter 26-353-01
Captive Screw Audio Connector 10-319-10



Extron Electronics
INTERFACING, SWITCHING AND DISTRIBUTION



User's Guide



Audio/Video Distribution Amplifiers

AVDA 6 MX
AVDA 6 MX DUAL
CVDA 6 MX
CVDA 6 MX DUAL
CVDA 6 MX QUAD
SADA 6 MX
SADA 6 MX DUAL
SADA 6 MX QUAD
SVDA 6 MX
SVDA 6A MX



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Operation and Installation

Models and Features

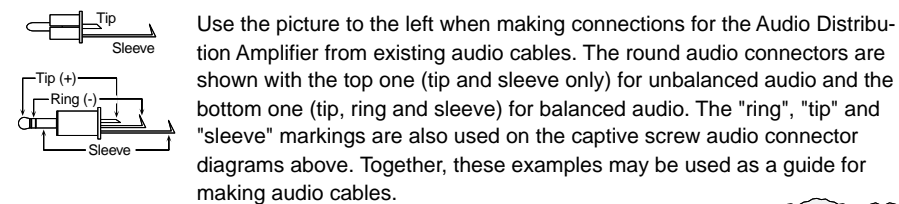
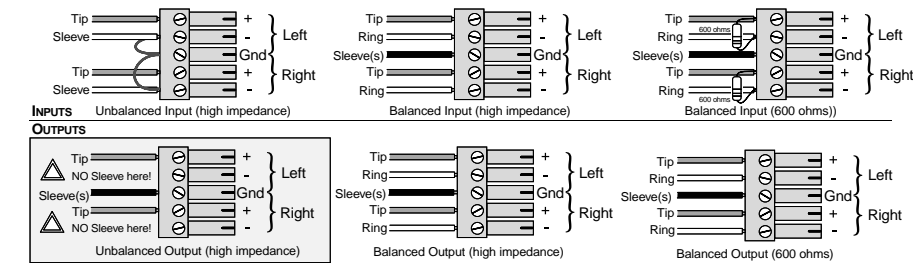
Extron's Audio/Video Distribution Amplifier models include two or more of the features listed at the top of the table to the right. A "*", 2 or 4 is used in the table to indicate which features apply to a particular model and how many, if more than one. For example, the model SVDA 6 MX DUAL has 2 - one input, six output stereo audio distribution amplifiers. All models are housed in metal enclosures and include 100-240 volt universal switchable power supplies.

One input, six output Composite Video Distribution Amplifier									
One input, six output S-Video Distribution Amplifier									
One input, six output Stereo Audio Distribution Amplifier									
Rack mountable in a 1U half-width enclosure									
Rack mountable in a 1U full-width enclosure									
AVDA 6 MX	P/N 60-201-01								
AVDA 6 MX DUAL	P/N 60-201-02					*	2		
CVDA 6 MX	P/N 60-202-01								
CVDA 6 MX DUAL	P/N 60-202-02								2
CVDA 6 MX QUAD	P/N 60-202-03								4
SADA 6 MX	P/N 60-203-01								
SADA 6 MX DUAL	P/N 60-203-02							2	
SADA 6 MX QUAD	P/N 60-203-03							4	
SVDA 6 MX	P/N 60-204-01								
SVDA 6A MX	P/N 60-353-01								

Installing Captive Screw type Audio Connectors

Three methods of wiring the audio connectors for input and output are listed and shown below. Input examples are across the top, output examples are below them.

- Unbalanced High Impedance (High Z) Stereo Tip, Ring, Ground (Left & Right)
- Balanced High Impedance (High Z) Stereo Tip, Ring (Left & Right)
- Balanced 600 ohm Input Impedance Stereo Tip, Ring (Left & Right)



△ — If using the Unbalanced Output example shown above (shaded background), connect the sleeve(s) to Ground (Gnd). Connecting it to a negative (-) terminal will damage audio output circuits.

△ — There is no physical way to prevent you from plugging an audio connector part in one channel and part in the adjacent channel. This could cause damage.

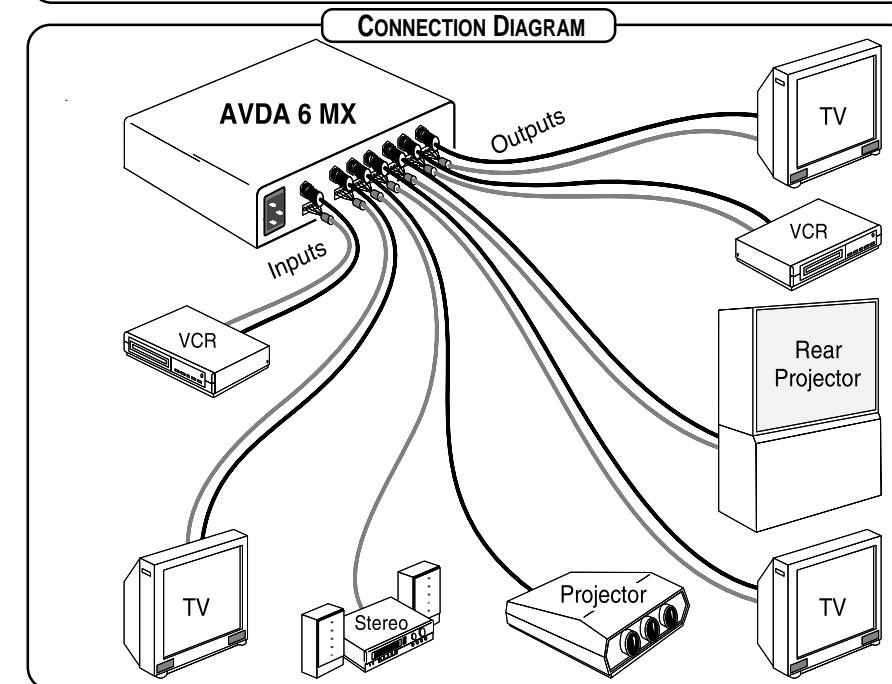
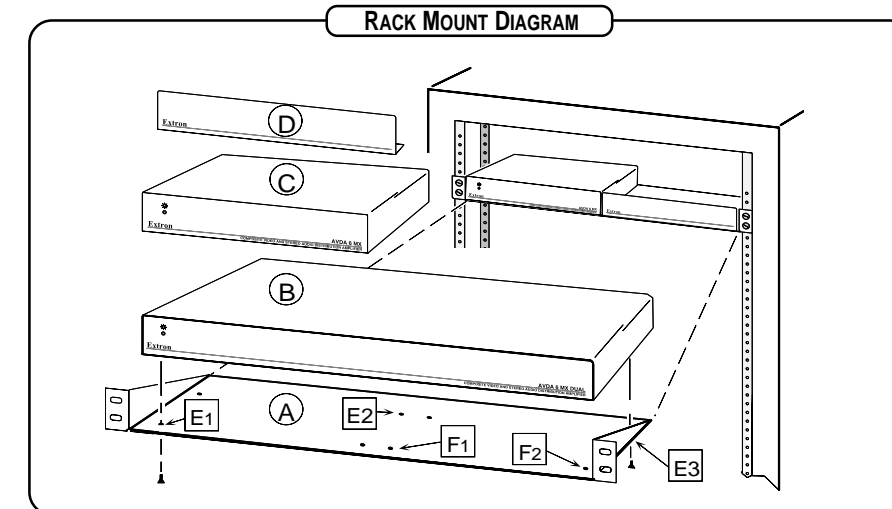
✍ — Use captive-screw audio connectors shown here. Additional connectors may be ordered from Extron.

Operation and Installation

Rack-Mounting the Audio/Video Distribution Amplifier (A/V DA)

To rack-mount the A/V DA use the Rack-Mount Diagram below and do the following:

1. Remove feet from the case if previously installed.
2. Mount the A/V DA on the rack shelf (A) using two 4-40 x 1/8" screws in opposite corners (under the shelf) to secure the case to the shelf. Use holes E1 and E2 or F1 and E3 for a half width case (C), E1 and E3 for a full width case (B). If necessary, use filler panel D with front two screw holes (F1 and F2).



Use the Connection Diagram above as a guide for all A/V DA connections.