



User's Guide

Video output

Number/signal type	6 RGsB, component video, S-video, composite video
Connectors	6 x 3 BNC female
Minimum/maximum levels	0.5V to 1.5V p-p
Impedance	75 ohms
Return loss	-44dB @ 5 MHz
DC offset	±13mV maximum with input at 0 offset

General

Power	100VAC to 240VAC, 50/60 Hz, 20 watts, internal, auto-switchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, with optional shelf # 60-030-01 (2U) or front panel #60-126-01 (3U)
Enclosure type	Metal
Enclosure dimensions	3.4" H x 8.5" W x 6.3" D (2U high, 1/2 rack width) 8.6 cm H x 20.3 cm W x 16.0 cm D
Product weight	3.6 lbs (1.6 kg)
Shipping weight	5 lbs (2.3 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Approvals	UL, CUL
Compliances	CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

Part Numbers

ADA 6 Component	60-310-01
BNC 75-ohm termination plug ..	20-300-01

NOTE Specifications are subject to change without notice.



ADA 6 Component Component/HDTV Distribution Amplifier

68-462-01 Rev. B
Printed in the USA
02 02



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
USA
714.491.1500
Fax 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C
3821 AH Amersfoort
The Netherlands
+31.33.453.4040
Fax +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Road, #04-01
PM Industrial Building
Singapore 368363
+65.6383.4400
Fax +65.6383.4664

Extron Electronics, Japan
Daisan DMJ Building 6F
3-9-1 Kudan Minami
Chiyoda-ku, Tokyo 102-0074 Japan
+81.3.3511.7655
Fax +81.3.3511.7656

ADA 6 Component

The Extron ADA 6 Component is a component/HDTV (high-definition television) distribution amplifier. It is designed for use when one component/HDTV video signal must be sent to up to six output devices (11 with looping) without loss of signal quality.

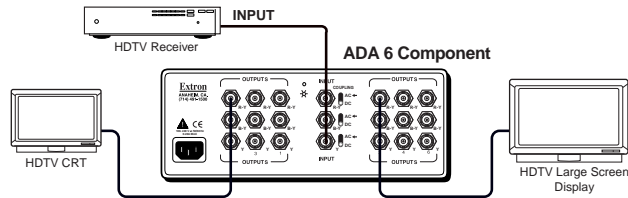
Features

- Accepts and outputs component video.
- High bandwidth provides signal distribution with no loss of picture quality.
- Looping allows two amplifiers to be connected to provide up to 11 outputs.

Installation

To install the ADA 6 Component, do the following:

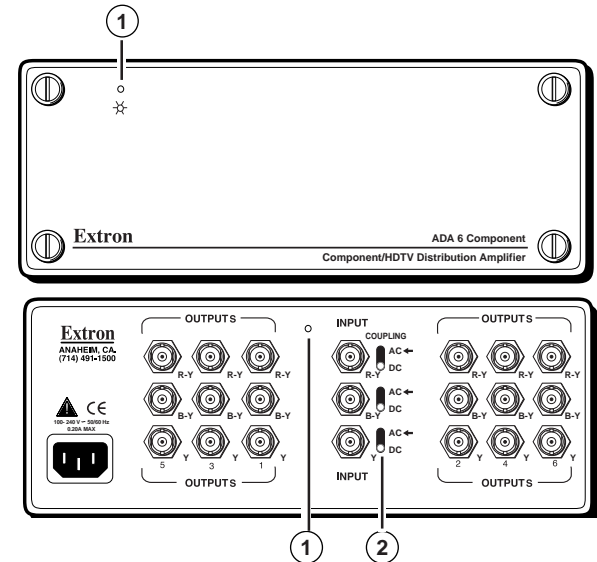
1. Remove power cords from the amplifier and all input and output devices.
2. If you are rack mounting the amplifier, attach it to a rack front panel (Extron part number 60-126-01) or rack shelf (Extron part number 60-030-01), and then mount the assembly in the rack.
3. Connect the input BNC connectors to the signal source, such as a high-definition television (HDTV). There are three connectors: R-Y, B-Y, and Y.



4. If you are looping amplifiers, choose the unit that will be #1, and connect one set of its outputs to the input on amplifier #2.
5. Connect each output to the R-Y, B-Y, and Y connectors on its destination, such as a monitor or large screen projector.
6. Attach a BNC 75-ohm termination plug to each unused output connector.
7. Reattach power cords, and apply power to the amplifier and to all input and output devices.

Operation

The figure below shows the amplifier's front and rear panels.



- ① **Power LEDs** — Light to indicate that the amplifier is on.
- ② **AC/DC Coupling switches (3)** — Normally, set to AC (up). If the application requires DC coupling, set to DC (down).

Specifications

Video

Gain	Unity
Bandwidth	180 MHz (-3dB), fully loaded

Video input

Number/signal type	1 RGB, component video, S-video, composite video
Connectors	3 BNC female
Minimum/maximum levels	Analog 0.5V to 1.5V p-p with no DC offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 150 kHz
Vertical frequency	15 Hz to 140 Hz
Return loss	-38dB @ 5 MHz
AC/DC coupling	Yes, switch-selectable

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