

With the introduction of sophisticated components and digital signal processing, there are multitudes of connection options available. Each option provides you with the opportunity to experience amazing video and audio performance like never before. It's really about what kind of cable matches your component and hook-up scenario. The Best options provide both a digital video and digital audio signal through a single cable. Better connection options require independent cables to provide a digital video signal or an audio signal. And good connection options offer you the best of an analog signal delivery.



PERFORMANCE SERIES DIGITAL HOME THEATER HOOK-UP GUIDE

You've invested wisely in today's digital high definition video components and multi-channel digital audio components. Get the most out of your investment with a hook-up solution tailored to your entertainment and performance expectations.

1. Identify which components you want to connect and what kinds of inputs and outputs each component offers.
2. Determine the level of connection you prefer and select the cables you need from the illustration below.
3. Install the cables.
4. Remember, you need to have both an audio and a video signal running from each component.

AUDIO/VIDEO

HDMI
Carries digital audio and video signals for the best signal integrity and performance.
APO85 6 ft. (1.8 m)
APO86 12 ft. (3.6 m)

**A/V RECEIVER • HDTV • HDTV TUNER
HDTV CABLE BOX • HD DVD PLAYER
SATELLITE RECEIVER**

DVI adapter available to convert inputs/outputs. See specialty solutions.

AUDIO/VIDEO

IEEE1394 FIREWIRE®
Provides high-speed digital audio and video signals and data transfer.
4 pin to 4 pin AP403 6 ft. (1.8 m)
AP404 15 ft. (4.5 m)
6 pin to 6 pin AP409 6 ft. (1.8 m)
AP410 15 ft. (4.5 m)
4 pin to 6 pin AP406 6 ft. (1.8 m)

**A/V RECEIVER • HDTV
HDTV TUNER • HD DVD PLAYER
HDTV CABLE BOX
SATELLITE RECEIVER**

VIDEO

DVI
Carries digital video signal. Supports high-definition video formats (HDTV) including 720P and 1080i.
APO97 6 ft. (1.8 m)
APO98 12 ft. (3.6 m)

**A/V RECEIVER • HDTV
HDTV TUNER • HD DVD PLAYER
HDTV CABLE BOX
SATELLITE RECEIVER**

VIDEO

COMPONENT VIDEO
Carries video signal over three individual paths for best picture quality.
APO90 3 ft. (0.9 m)
APO91 6 ft. (1.8 m)
APO92 12 ft. (3.6 m)

**A/V RECEIVER • HDTV • DVD
HDTV CABLE BOX
SATELLITE RECEIVER**

AUDIO

DIGITAL OPTICAL AUDIO
Carries digital audio signal as light.
APO80 3 ft. (0.9 m)
APO81 6 ft. (1.8 m)
APO82 12 ft. (3.6 m)

**A/V RECEIVER • HDTV • DVD
HDTV CABLE BOX
SATELLITE RECEIVER • CD**

AUDIO

DIGITAL COAX AUDIO
Carries digital audio signal through oxygen-free copper center connector with two layers of shielding for improved performance.
APO70 3 ft. (0.9 m)
APO71 6 ft. (1.8 m)
APO72 12 ft. (3.6 m)

**A/V RECEIVER • HDTV • DVD
HDTV CABLE BOX
SATELLITE RECEIVER • CD**

KEY

Select the level of connection(s) you prefer (best, better, good) to create a video and audio connection between each component. This hook-up guide represents virtually all possible audio and video connections, utilizing different performance cables. You will need one audio and video connection between components. Choose your connections based on desired performance of your home theater. See other side for surround sound speaker connections.

BEST CONNECTIONS

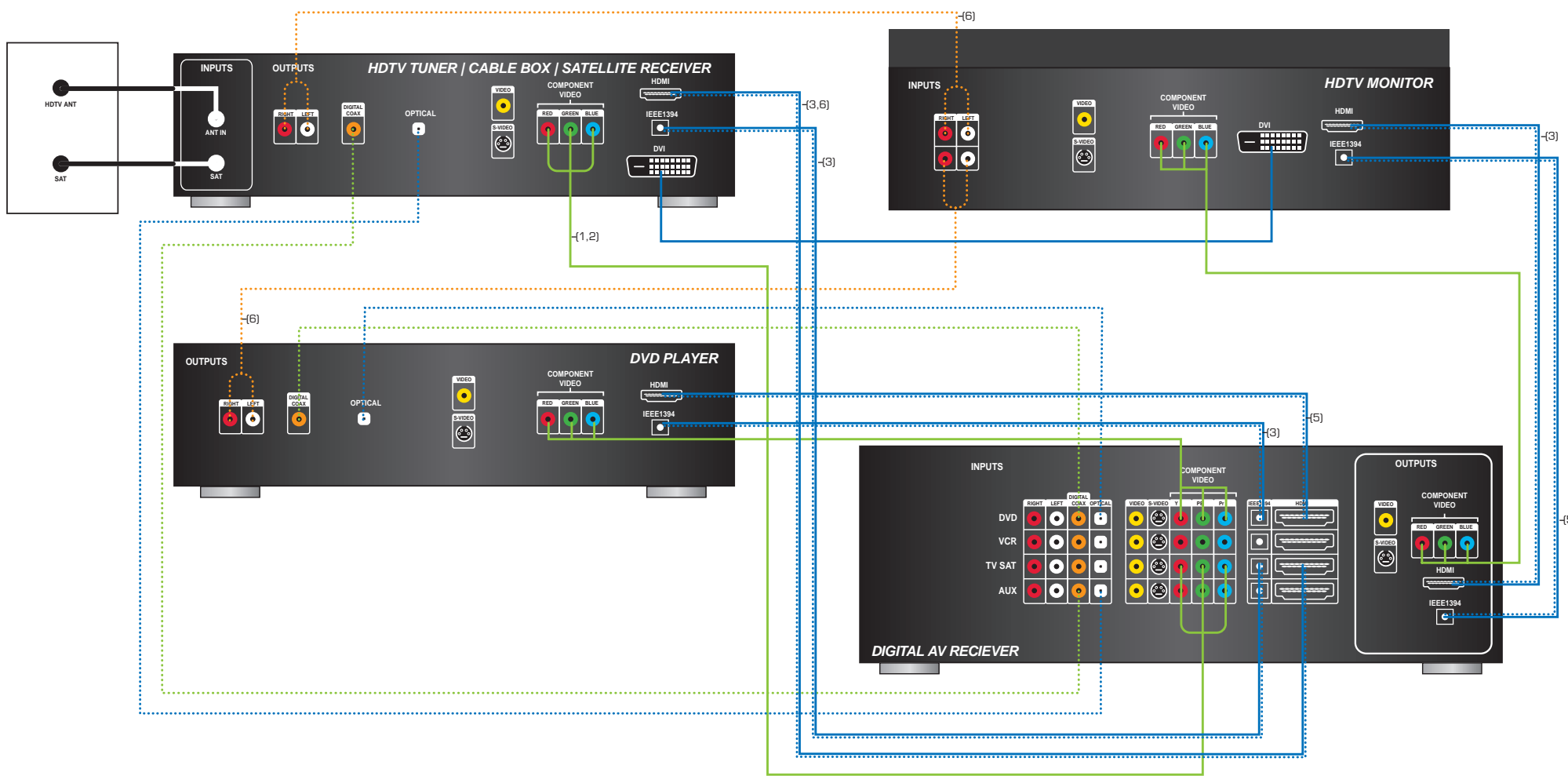
- HDMI, FIREWIRE
- DVI CABLE
- DIGITAL OPTICAL AUDIO CABLE

BETTER CONNECTIONS

- COMPONENT VIDEO
- DIGITAL COAX AUDIO CABLE

GOOD CONNECTIONS

- STEREO AUDIO CABLE



AUDIO

STEREO AUDIO
Carries stereo audio signal for best sound quality.
APO30 3 ft. (0.9 m)
APO31 6 ft. (1.8 m)
APO32 12 ft. (3.6 m)

**A/V RECEIVER • HDTV
DVD • VCR
HDTV CABLE BOX
SATELLITE RECEIVER**

SPECIALTY

5.1 DIGITAL AUDIO CABLE
Carries six surround sound audio channels (front left, front right, rear left, rear right, center and a subwoofer) on 6 individual cables for best signal transfer and audio reproduction.
Allows for separate amplification of individual channels.
APO36 6 ft. (1.8 m)

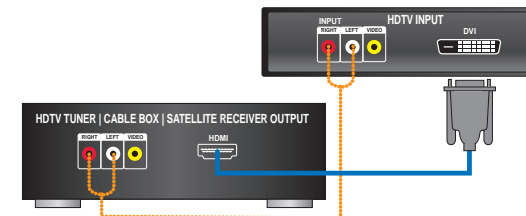
**IDEAL FOR HOOKING UP A
SACD OR DVD/A PLAYER TO
AN A/V RECEIVER.**

Footnotes

- (1) DVI and Component Video cables carry video signal only. You will need a separate audio connection such as Digital Coax, Digital Optical, 5.1 Digital Audio when available) or Analog Stereo Audio (left and right) to complete your hookup.
- (2) Component Video is the best analog video connection available. The video signal is carried on three individual paths to help ensure integrity of the signal for best picture reproduction. Use this cable when the digital HDMI or DVI connections are not available.
- (3) A limited number of A/V receivers includes HDMI inputs and outputs. If your receiver does not have this connection, use Component Video cable to carry video signal from the video source, such as a DVD player or Cable/Satellite Receiver, to your A/V receiver. You will also need a separate audio connection such as Digital Coax or Digital Optical. If your TV supports the HDMI connection, you can run HDMI cable straight to your TV. This will however prevent you from being able to use the A/V Receiver to switch between components.
- (4) The Analog Stereo Audio (left and right) does not carry digital surround sound. You must use either a Digital Coax or Digital Optical audio cable from your audio source (a DVD player or a Cable/Satellite Receiver for example) in order to be able to transfer digital surround sound audio signals to your A/V Receiver.
- (5) If your components support IEEE 1394 FireWire® connections, you can use this connection instead of HDMI. Both HDMI and FireWire® carry digital audio and video data, and you will not need a separate audio connection.
- (6) In case when your HDTV has DVI inputs (not HDMI) and your components have HDMI outputs (not DVI), you can still utilize your HDMI outputs on your components and connect to DVI inputs on your HDTV via HDMI-to-DVI Adapter. Note, DVI carries only the video signal, therefore if you want sound to come out directly from your HDTV, you will need to run a separate analog stereo audio cable from your components to your HDTV.

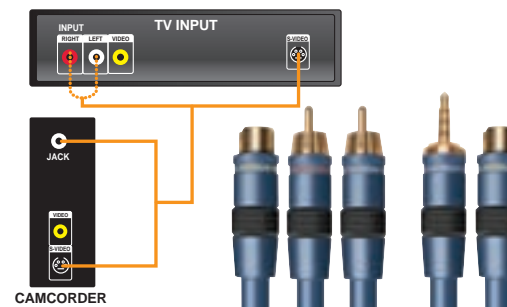
SPECIALTY

HDMI TO DVI ADAPTER
Converts HDMI connector to be used with DVI inputs/outputs.
APO88



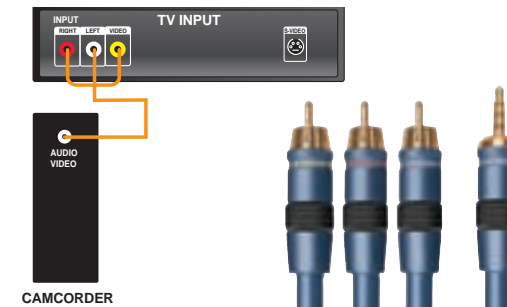
SPECIALTY

**S-VIDEO CAMCORDER CABLE
MINI A/V PLUG TO RCA AUDIO AND S-VIDEO**
For hooking up a camcorder or a portable DVD player to a TV or A/V receiver.
APO29 6 ft. (1.8 m)



SPECIALTY

**COMPOSITE VIDEO CAMCORDER CABLE
MINI A/V PLUG TO RCA AUDIO AND VIDEO**
For hooking up a camcorder or a portable DVD player to a TV, an A/V receiver or a VCR.
APO26 6 ft. (1.8 m)



SPECIALTY

**IEEE1394 FIREWIRE®
CAMCORDER CABLE
4 PIN TO 6 PIN CONNECTION**
For hooking up a digital camcorder to a TV or a computer.
AP406 6 ft. (1.8 m)



VIDEO

COMPONENT VIDEO
Carries video signal over three discreet paths for best picture quality.

AP090 3 ft. (0.9 m)
AP091 6 ft. (1.8 m)
AP092 12 ft. (3.6 m)

A/V RECEIVER • TV
DVD • CABLE BOX
SATELLITE RECEIVER

BEST

VIDEO

S-VIDEO
Carries video signal on two separate paths for sharper picture.

AP020 3 ft. (0.9 m)
AP021 6 ft. (1.8 m)
AP022 12 ft. (3.6 m)

A/V RECEIVER • TV • DVD
VCR • CABLE BOX
SATELLITE RECEIVER
CAMCORDER

BETTER

VIDEO

COMPOSITE VIDEO
Carries video signal only for better picture quality.

AP000 3ft. (0.9 m)
AP001 6ft. (1.8 m)
AP002 12ft. (3.6 m)

A/V RECEIVER • TV • DVD
VCR • CABLE BOX
SATELLITE RECEIVER
CAMCORDER

GOOD

VIDEO

COAXIAL
Carries both audio and video signals for the easiest A/V connection.

AP010 3 ft. (0.9 m)
AP011 6 ft. (1.8 m)
AP012 12 ft. (3.6 m)
AP013W 25 ft. (7.6 m)
AP014W 50 ft. (15.2 m)

TV • VCR • CABLE BOX
SATELLITE RECEIVER

GOOD

COMBO

DIGITAL OPTICAL AUDIO (TOSLINK™)/S-VIDEO
Combo package includes both a separate video and audio connection for a full solution in each package.

AP067 6 ft. (1.8 m)
AP068 12 ft. (3.6 m)

A/V RECEIVER • DVD
SATELLITE RECEIVER

BEST

COMBO

STEREO AUDIO/S-VIDEO
Combo package includes both a separate video and audio connection for a full solution in each package.

AP064 6 ft. (1.8 m)
AP065 12 ft. (3.6 m)

A/V RECEIVER • TV
DVD • VCR
SATELLITE RECEIVER
CAMCORDER

BETTER

COMBO

STEREO AUDIO/COMPOSITE VIDEO
Combo package includes both a separate video and audio connection for a full solution in each package.

AP060 3 ft. (0.9 m)
AP061 6 ft. (1.8 m)
AP062 12 ft. (3.6 m)

A/V RECEIVER • TV
DVD • VCR • MD
SATELLITE RECEIVER
CAMCORDER

GOOD

AUDIO

DIGITAL OPTICAL AUDIO TOSLINK™-TO-TOSLINK™
Carries digital audio signal as light for the highest sound quality. Optical connected curved finish to improve light transfer, with wire restraint and machined, gold-plated tips.

AP080 3 ft. (0.9 m)
AP081 6 ft. (1.8 m)
AP082 12 ft. (3.6 m)

A/V RECEIVER • DVD
CD • SATELLITE RECEIVER

BEST

AUDIO

DIGITAL COAX AUDIO
Carries digital audio signal through oxygen-free copper center conductor with two layers of shielding for improved performance.

AP070 3 ft. (0.9 m)
AP071 6 ft. (1.8 m)
AP072 12 ft. (3.6 m)

A/V RECEIVER • DVD
CD • SATELLITE

BETTER

AUDIO

STEREO AUDIO
Carries audio signal only for best sound quality.

AP030 3 ft. (0.9 m)
AP031 6 ft. (1.8 m)
AP032 12 ft. (3.6 m)

A/V RECEIVER • TV
VCR • CD • TAPE
SATELLITE RECEIVER
CAMCORDER

GOOD

AUDIO

SUBWOOFER
Carries audio signal to the subwoofer with minimal loss.

AP052 15 ft. (4.6 m)
AP053 25 ft. (7.6 m)

A/V RECEIVER •
SUBWOOFER

GOOD



PERFORMANCE SERIES HOME THEATER HOOK-UP GUIDE

Relaxed Installation... This hook-up represents virtually all possible audio and video connections, utilizing different performance cables. You will only need one audio and one video connection between components. Choose your connections based on desired performance.

1. Identify which components you would like to hook up.
2. Determine which cables you need from the illustration and cable descriptions.
3. Install cables based on each cable's instructions.

KEY

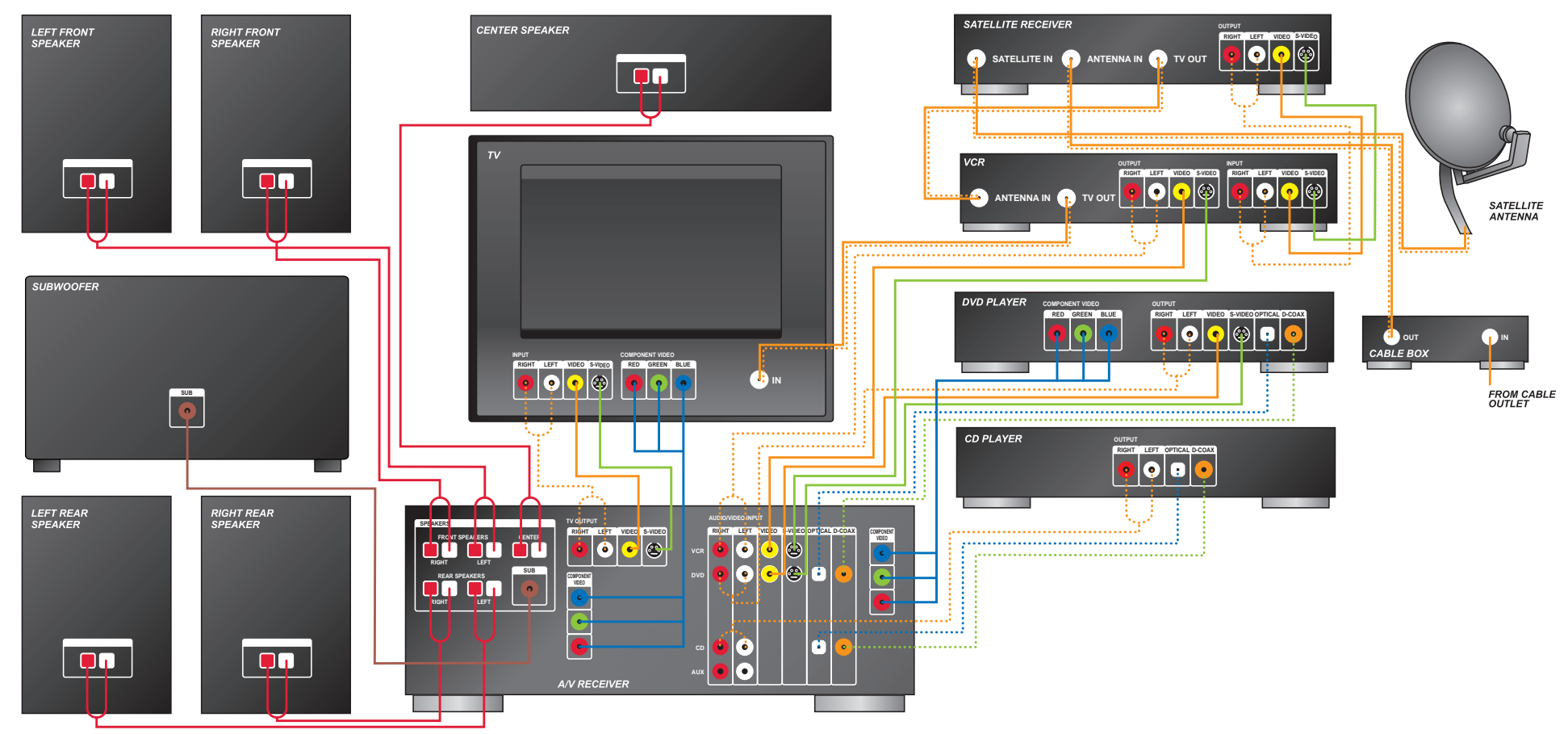
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BEST CONNECTIONS
— COMPONENT VIDEO CABLE
— DIGITAL OPTICAL AUDIO CABLE

BETTER CONNECTIONS
— S-VIDEO CABLE
— DIGITAL COAX AUDIO CABLE

GOOD CONNECTIONS
— COAXIAL CABLE (RG6 Quad)
— COMPOSITE VIDEO
— STEREO AUDIO CABLE

SPECIALTY
— SUBWOOFER CABLE
— SPEAKER WIRE



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SPECIALTY CONNECTORS

AP316 RCA type female to female couplers

AP306 Speaker Pins 2 pairs

AP307 Set screw banana pins 2 pairs

Connects two cables together. Provides clean termination ends for speaker cable connections. Accommodates all cable gauges and types in the AR Performance Series.

SPECIALTY VIDEO SPLITTERS

High quality solid-state circuit board design with power pass provides video signals to more than one TV.

AP230 2 way Splitter - allows hookup of 1 additional TV

AP231 3 way Splitter - allows hookup of 2 additional TVs

AP232 4 way Splitter - allows of 3 additional TVs

SPECIALTY AUDIO RCA "Y" ADAPTER/CABLE

Audio RCA "Y" adapter cable splits or combines audio signals.

AP040 1 Female to 2 Male

AP041 1 Male to 2 Female

AP042 2 Male to 1 Mini 3 ft. (0.9 m)

A/V RECEIVER • TV
VCR • SUBWOOFER
CAMCORDER

SPECIALTY OXYGEN-FREE COPPER SPEAKER CABLE

For speaker connections in which highest performance is desired. Also excellent for longer than average hookups.

AP1630 30 ft. (9.1 m)
AP1650 50 ft. (15.2 m)
AP16100 100 ft. (30.5 m)
AP1650W 50 ft. (15.2 m)
AP16100W 100 ft. (30.5 m)

Carefully strip insulation to expose wire. Check polarity for proper phasing before connecting. AP1630 comes with pins attached.

Specifications and features subject to change without notice. Product may vary from that shown. Performance is device and signal source dependent. Consult your component instruction manual for more information. Trademark(s) © Registered.

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