

DuoDrive® HDTV Distribution System

- *Distribute audio and video to multiple areas of the home over CAT 5 cables*
- *Single-source/two output distribution, expandable in pairs with additional modules*
- *Distributes HDTV component video, digital audio, and analog audio.*



The Model 9870 DuoDrive™ incorporates the key signal paths necessary for premium home audio and video entertainment systems. Consisting of one 9871 Driver and two 9878 wallplate/receivers, the DuoDrive distributes component video up to a resolution of 1080p, as well as both digital and analog audio, over two inexpensive, easy-to-install CAT 5 cables from a single source to two remote locations. The DuoDrive is easily expandable in increments of two outputs by adding additional 9870s. Audio Authority's unique cable length compensation also allows adjustment for the optimal signal strength at any distance up to 1,000 feet from the source, faithfully preserving the signal's original color and detail for maximum enjoyment.

DuoDrive FEATURES:

- One input, two Cat 5 wallplate outputs (wallplates included)
- High bandwidth component video (YPbPr) up to 1080p
- Coaxial digital and stereo analog audio
- Infrared remote jack for IR pathway
- Wallplate powered through Cat 5 cable
- Antenna pass-through jack
- Expandable in increments of two by adding more driver modules
- Provides reliable ground isolation, preventing hum bars and other artifacts associated with ground loops
- Compatible with Audio Authority 9878, 9879, and 9880 receivers



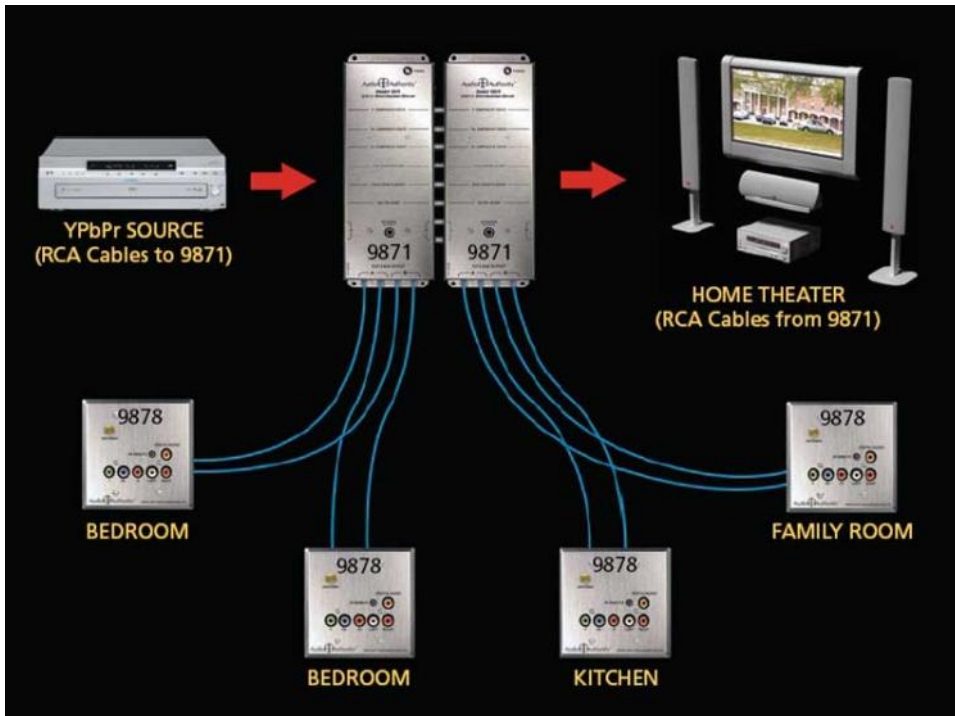
9870 WALLPLATE/RECEIVERS:

The Cat 5 outputs from a Model 9871 driver terminate at 9878 wallplate/receivers, (or 9880 self-enclosed receivers) which provide a remote connection point for an HDTV video and/or audio sound system. The active circuitry in the wallplates is powered through the Cat 5 bus, so no power connection is required at the remote zone. Each receiver can be adjusted to compensate for the cable length up to 1,000 feet. Component video, digital and analog audio signals are carried on two Cat 5 cables to each wallplate/receiver. A control signal pathway for a 3rd party IR remote system is also part of the Cat 5 bus. This pathway allows the desired source to be selected remotely via IR.



Each of the two Model 9871 Driver outputs works over a pair of inexpensive, easy to install Cat 5 cables. The wall-mountable 9870 system accepts digital and analog audio, and HD component video inputs.

DUODRIVE SYSTEM OVERVIEW



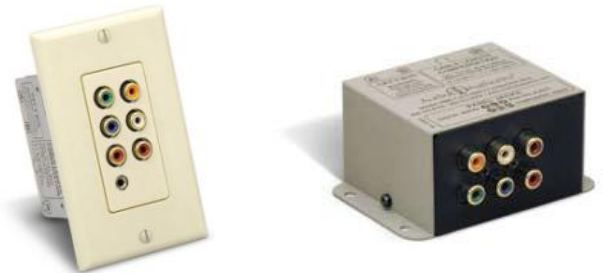
The 9870 is comprised of the Model 9871 RCA-to-Cat 5 Driver and the Model 9878 wallplate. These products enable distribution of audio, video and IR control signals on Cat 5 cable runs of up to 1,000 feet. The buffered Cat 5 bus outputs on each 9871 drive one or two 9878 wallplates.

To expand output capacity of the system, connect together an unlimited number of Drivers using an Audio Authority Kit 46. The 9878 offers a wallplate/receiver form factor to fit a standard dual-gang electrical box. DC power for each wallplate is supplied through the Cat 5 cable from the 9871's power supply.

In addition to its Cat 5 outputs, the 9871 RCA bus output may be used as a pass-through output for a nearby HDTV and/or home theater.

9878 & 9880 OPTIONAL RECEIVERS

In addition to the two 9878 wallplate/receivers (shown on page one) that come with each 9870 system, Audio Authority offers the option of using the 9879 Decora-style receiver (left) or the enclosed 9880 receiver (right). The three can be used in any combination with each other.



SPECIFICATIONS:

Model Numbers:	9870, 9871, 9878	Audio Parameters		Agency Approvals:	FCC, CE
Video Parameters		Analog:	Left/right	DC Input Connector:	5.5 X 2.1mm
Signal Type:	Component video (YPbPr)	Digital Audio Type:	Coaxial	DC Voltage/Polarity:	18V/center positive
Video Formats (Analog):	480i/p, 540i/p, 720p, 1080i/p	Input Impedance:	75 ohms/47.5K ohms	Max DC Input Current:	350mA
I/O Impedance:	75 ohms	Min Load Impedance:	75 ohms/10K ohms	Power Supply:	571-014
Input Ground Isolation:	Yes	Multi-channel Digital:	Yes	9871 Size (H-W-D, inches):	9 x 3.5 x 1
Gain:	1	Frequency Response:	10-50KHz	9879 Size (H-W-D, inches):	4 x 1.6 x 2.75
Gain Accuracy:	3%	S/N Ratio:	55dB	Warranty:	One year replacement
3dB Bandwidth:	120MHz	THD+Noise:	0.10%	Agency Approvals:	FCC, CE
Input Coupling:	AC	Crosstalk:	-70dB	Accessories Included:	User manual
S/N Ratio:	35dB				
Max Gain/Equalization:	40dB equalization				

Audio Authority[®]

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