

Technical Specifications	
<b>TRANSMITTER AND RECEIVER</b>	
<b>Video</b>	Bandwidth 400MHz Analog signal Level 1 volt Impedance 75 ohms
<b>Connector</b>	3 RCA
<b>Format</b>	YPbPr analog component video
<b>Audio</b>	Bandwidth 20 KHz Signal level OdB Impedance 10K ohms Connector RCA Left and Right
<b>System and Cable</b>	Type Cat5 UTP EIA 568A Connector RJ45
<b>Power</b>	Requirements 5V DC @500mA Connector 5x2.1 DC Jack

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### Rack Mountable Option



Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

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**Smart-AVI**  
Smart Audio Video Integration

## User Manual

# HDX-AV



Use a single CAT5 to broadcast high resolution HDTV Video, Stereo Audio, up to 1000ft away.

[www.smartavi.com](http://www.smartavi.com)

## Introduction

The HDX-AV range of products allows the extension of a wide range of video and audio formats, via a single Category 5 Unshielded Twisted Pair (UTP) cable.

## Features

- Supports HDTV Screen
- Y,Pb, Pr
- Uses easy to install, inexpensive CAT-5/5e/6/7/8.
- Output reaches up to 1,000 feet (300 m).
- Resolutions up to 1900x1200.
- 300 MHz Bandwidth.
- Sends high-resolution HDTV component, Stereo Audio.
- Compatible with Line Level Stereo Audio Signals.
- High ground loop immunity.
- Built-in lightning, power surge and transient protection.
- Designated trimmer in the remote unit to compensate for cable length.
- Compact Metal Case Enclosure.

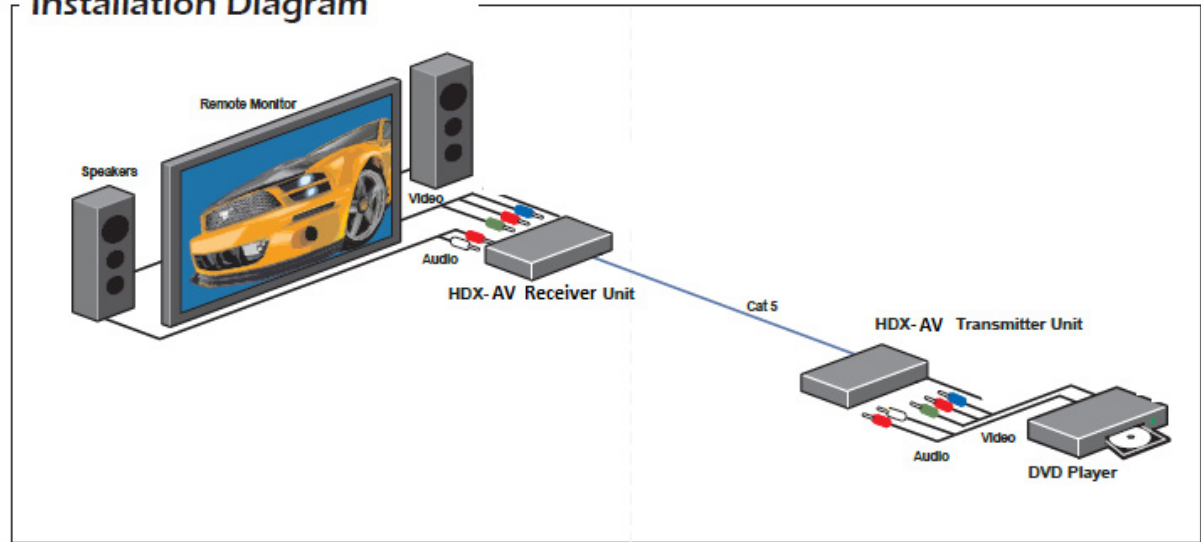
## What's in the box?

HDX-AV

Please check the contents of the package before beginning installation.

HDX-PROX Package Content		
Qty	Items	Part No.
1	HDX-AV Transmitter Unit	HDX-AV -TX
1	HDX-AV Receiver Unit	HDX-AV -RX
2	5 volt dc power supply	PS5VDC2A
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06
Optional		
1	Audio 3.5 mm stereo miniplug cable	CC-ADMM06

## Installation Diagram



### Connecting The Transmitter

1. Connect the output of component video source to the video input of the transmitter using RCA to RCA cable
2. Connect audio source to the audio input of the transmitter using audio rca cable
5. In the back of the unit connect the CAT5 cable that will connect to the receiver.

### Connecting The Receiver

1. Connect CAT5 cable (coming from the transmitter) to the back of the receiver.
2. Connect display monitors to the RCA connectors on the front of the receiver.
3. Connect a sets of external speakers to the audio output connections on the front of the unit.

### Adjusting and Tuning the Signal

In order to fine tune the signal, adjust the individual dials one at a time starting with GREEN, then BLUE, and lastly RED. As you turn the dials you will notice the colors slightly change as you increase or decrease the strength. All dials should be around the same distance.



### Preparing & Connecting System CAT5 Cable

Following is the wiring standard for terminating (using RJ-45 connector):

- Pair 1 Pins 1 & 2
- Pair 2 Pins 3 & 6
- Pair 3 Pins 4 & 5
- Pair 4 Pins 7 & 8



**Connectors:** RJ-45  
**Capacitance:** 14 pf/ft (46.2 pf/m)  
**Conductor Gauge:** 24 AWG