

## Technical Specifications

© Copyright 2008 Smart-AVI, All Rights Reserved

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

### XP-AV SPECIFICATIONS

VGA Data	
Format	RGBHV, RGB, YUV, Y/C, CVBS
Resolution	Up to 1900 x 1200 VGA, SVGA, XGA, SXGA)
Connector type	HD 15 socket
Audio	
Signal Type	Stereo unbalanced
Connector	3.5mm jack socket
Power	
Requirements	5VDC @.5A
Connector	2.1mm DC jack (center +ve)
Physical	
Dimensions	135 x 90 x 23mm (26 with pegs)
Weight	.8 lbs or .36 kg

### Notice

The information contained in this document is subject to change without notice. Smart-AVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for any particular purpose.

Smart-AVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced or translated into another language without prior written consent from Smart-AVI.

For the complete manual, visit [www.smartavi.com](http://www.smartavi.com).

## User Manual

### XT-AV



**Use a single CAT5 to broadcast high resolution SXGA and Stereo Audio up to 1000ft away.**

**Smart-AVI**  
2840 N. Naomi Ave.  
Burbank, California 91504  
Phone: (818) 565-0011  
Facsimile: (818) 565-0020

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

## Introduction

The XT-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

- 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 UXGA, Stereo Audio and
- Compatible with VGA, XGA, Sun, MAC and SGI Sync Format / Polarity Preservation.
- 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?

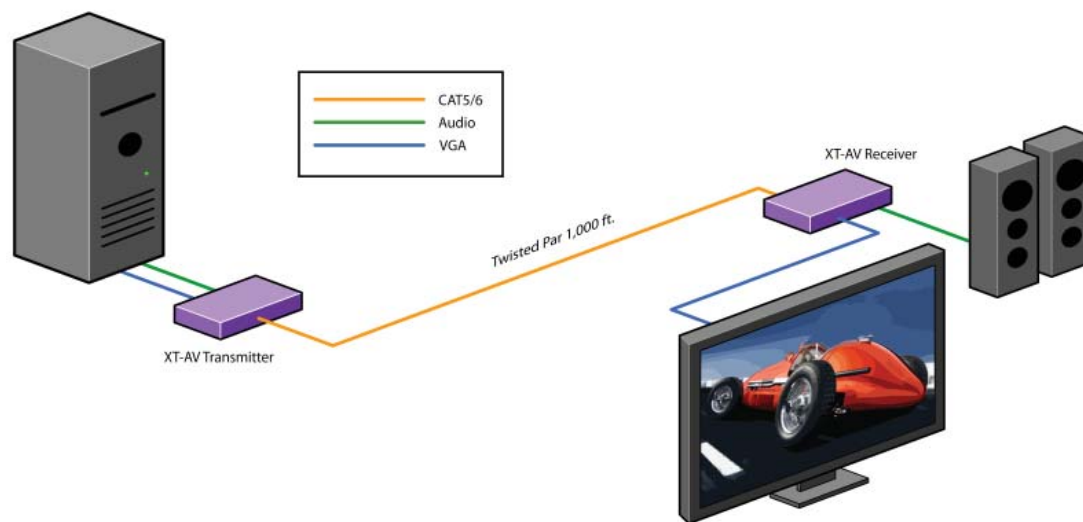
### XT-AV

Please check the contents of the package before beginning installation.

### XT-AV Package Content

Qty	Items	Part No.
1	XT-AV Transmitter unit	XTAV-TX
1	XT-AV Receiver unit	XTAV-RX
2	5 volt dc power supply	PS-5D1A-US
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06

## Installation Diagram



### Connecting The Transmitter

1. Connect the output of the computer video card to the video input of the transmitter using the included male to male video cable.
2. Connect the output of the computer audio card to the audio input of the transmitter using 3.5mm audio male to male audio cable.
3. Connect external speakers to the transmitter's audio out (Standard 3.5mm stereo miniplug).
4. In the back of the unit connect the CAT5 cable that will connect to the receiver (XTAV-RX).

### Connecting The Receiver

1. Connect CAT5 cable (coming from the transmitter) to the back of the receiver.
2. Connect display monitors to the VGA out connector on the front of the receiver.
3. Connect external speakers to the audio output connections on the front of the unit. (Standard 3.5mm stereo Miniplug)

### Preparing & Connecting System CAT5 Cable

Following is the wiring standard for terminating CAT 5 cable 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               |
| Impedance:       | 100 +/- 15 ohms      |
|                  | 4 - Pair             |