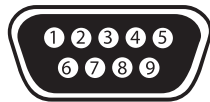


## Technical Specifications

XTWALL SPECIFICATIONS	
VGA Data	
Format	RGBHV, RGsB, 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

### Recieve on DB9 Male



Pin No.	Name	Description
2	RxD	Receive Data on DB9 Male
3	TxD	Transmit Data on DB9 Male
5	SGND	Ground

### Transmit on DB9 Female



Pin No.	Name	Description
2	TxD	Transmit Data on DB9 Female
3	RxD	Recieve Data on DB9 Female
5	SGND	Ground

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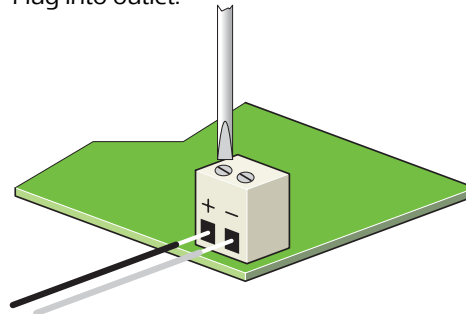
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For the complete manual, visit [www.smartavi.com](http://www.smartavi.com).

### Attaching the Power Supply

1. Insert black wire into the positive input (left) and secure.
2. Insert white wire into the negative input (right) and secure.
3. Plug into outlet.



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**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

## User Manual

### XTWALL



Use a single CAT5 to broadcast high resolution SXGA, Stereo Audio, RS232 and IR up to 1000ft away.

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

## Introduction

The XTWALL allows the extension of a wide range of video and audio formats, RS232, and IR via a single Category 5 Unshielded Twisted Pair (UTP) cable.

## Features

- Supports Dual Screens.
- 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 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.
- Supports RS232 and IR

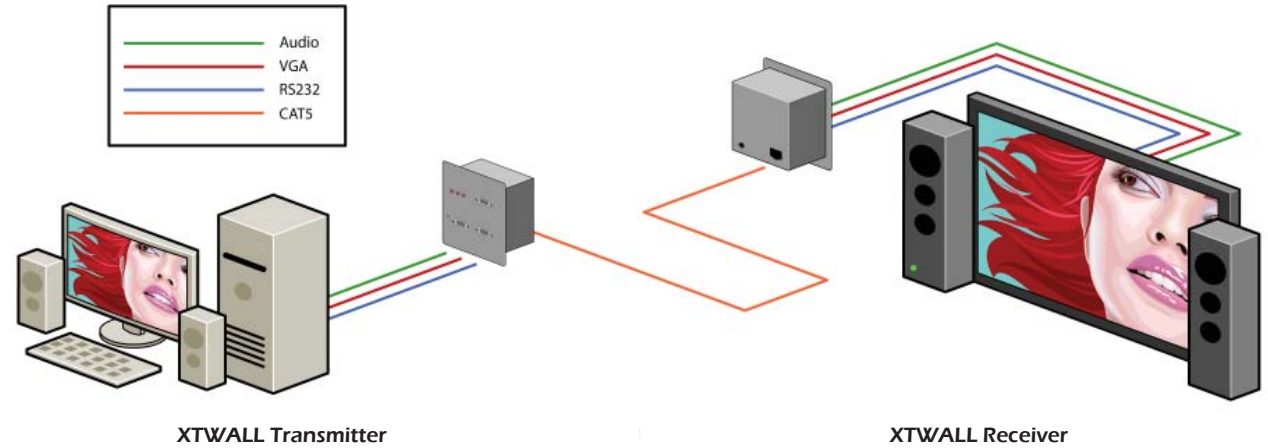
## What's in the box?

### XTPRO

Please check the contents of the package before beginning installation.

XTWALL Package Content		
Qty	Items	Part No.
1	XTWALL Transmitter unit	XTW-TX
1	XTWALL Receiver unit	XTW-RX
2	5 volt dc power supply	PS5D1AW-US
1	HDD 15 male to male VGA cable (6ft)	CC-VGAMM-06
Optional		
1	Audio 3.5 mm stereo mini-plug cable	CC-ADMM06
1	IR EYE Receiver	SM-EYE
1	IR Emitter	SM-LED
1	Serial m/f DB9 6ft.	CCSERMF06

## 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 local monitor to the VGA out of the transmitter.
4. Connect external speakers to the transmitter's audio out (Standard 3.5mm stereo miniplug).
5. In the back of the unit connect the CAT5 cable that will connect to the receiver (XTW-RX).

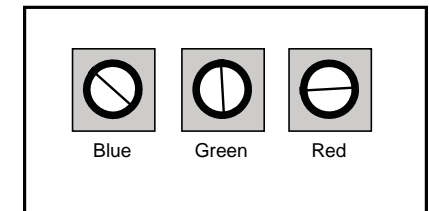
**\*NOTE: You can not use RS232 and IR at the same time.**

### Connecting The Receiver

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

### 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 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:  
Capacitance:  
Conductor Gauge:  
Impedance:

RJ-45  
14 pf/ft (46.2 pf/m)  
24 AWG  
100 +/- 15 ohms  
4 - Pair