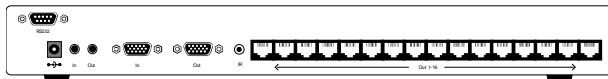


Technical Specifications

| XT-1600 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 |
| RS232 | |
| | DB9M |
| | TXD, RXD, Gnd. |
| | 9600 bps |
| Power | |
| Requirements | 5VDC @.5A |
| Connector | 2.1mm DC jack (center +ve) |
| Physical | |
| Dimensions | 22 x 11.8 x 2.7cm (3.1with pegs) |
| Weight | 3.5 lbs |



Sending an RS232 command to remote monitor

In order to send a command to a remote monitor, you will need to use The following query at 9600 baud rate;

<CR>//M1<CR>

- After sending this query, any command sent from the PC will go directly to monitor 1
- To send a command to monitor 2 replace "M1" with "M2" etc...
- To send the same command to all monitors (but only monitor 1 will answer) Use the following command;
<CR>//M0<CR>

* <CR> = Carriage return

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Smart-AVI

Smart Audio Video Integration

User Manual

XT-1600



Use a single CAT5 cable to broadcast high resolution SXGA, Stereo Audio and RS232 up to 16 stations up to 1000ft away.

www.smartavi.com

Introduction

The XT1600 range of products allows the extension of a wide range of video and audio formats and RS232 up to 16 locations using Category 5 Unshielded Twisted Pair (UTP) cables.

With RS232 communication support the XT1600 allows users to send commands to single or multiples devices. This allows the user to change volume, channel or turn on/off the remote LCD TV.

Features

- Supports Dual Screens.
- Uses easy to install, inexpensive CAT-5/5e/6/7/8.
- Each output reaches up to 1,000 feet (300 m).
- Supports high resolution video up to 1900x1200
- HDTV Compatible (720p, 1080i, 1080p)
- 300 MHz Bandwidth.
- Sends high-resolution VGA, Stereo Audio signals, RS232 or IR from one source to 16 locations.
- 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 power surge and transient protection.
- Designated trimmer in the remote unit to compensate for cable length.
- Compact Metal Case Enclosure.
- External power supply.
- RS-232c Communication support to single or multiple Displays.
- IR command to single or multiple Displays.

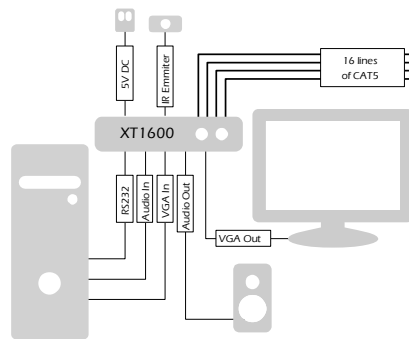
What's in the box?

XT1600

Please check the package contents before installing.

| XT1600 Package Contents | | |
|-------------------------|-------------------------------------|-------------|
| Qty | Items | Part No. |
| 1 | XT1600 Transmitter unit | XT1600-TX |
| 1 | 5 volt dc power supply | PS-5D1A-US |
| 1 | HDD 15 male to male VGA cable (6ft) | CC-VGAMM-06 |
| Optional | | |
| 1 | Audio 3.5 mm stereo miniplug cable | CC-MMAMM-06 |
| 1 | XTPRO Receiver unit | XTPRO-RX |
| 1 | IR EYE Receiver | SM-EYE |
| 1 | IR Emitter | SM-LED |
| 1 | 6' RS232 cable | CCRS232-06 |

Installation Diagram



XT1600 Transmitter Installation Diagram

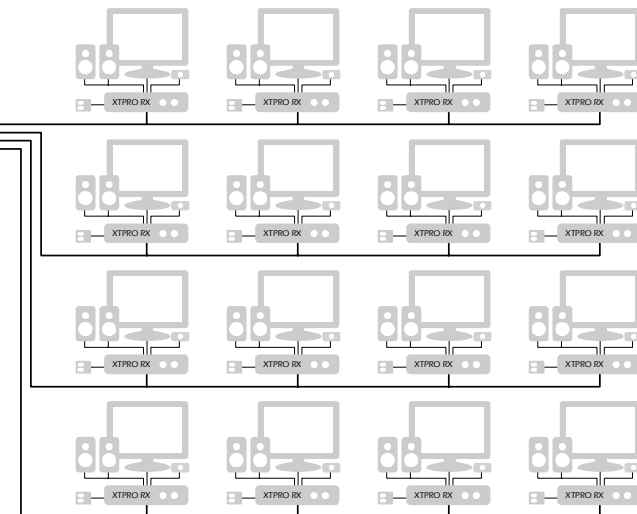
Connecting The Transmitter

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 (XT400-RX).

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

Connecting The Receiver

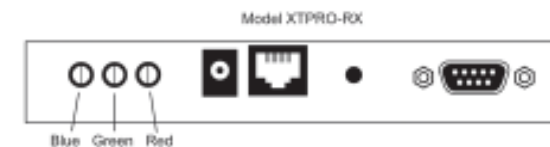
1. Connect CAT5 cable (coming from the transmitter) to the back of the receiver.
2. Connect 1-16 display monitors to the VGA out connectors on the front of the receiver.
3. Connect 1-16 sets of external speakers to the audio output connections on the front of the unit. (Standard 3.5mm stereo Miniplug)



XT1600 Receiver Installation Diagram

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