Technical Specifications

Video	
Video Interface	HDMI
Single Link Range	480P,720i/p, 1080i/p
Video Data Rate	4.95 Gbps
Resolution	1920 x 1200 @ 60 Hz, Resolution up to 1280 x 1024 min. 75H
Power Supply	Universal Switch mode PSU (90-240V Input) 5VDC 2A
Input Interface	19 pin HDMI female type-A
IR	
Signal Type	30-100 kHz modulated IR
Connector	3.5 mm mini jack, Female

Ordering Information

Part No.	Description
HDX-4000S	HDMI CAT6 STP 4 port Extender. Includes: [HDX-4000, and (PS5VD2A)]
HDX-RX1000S	HDMI over CAT6 STP Receiver. Includes: [HDX-RX1000 & PS5VD1A]
IR EYE	Infrared Receiver Eye

Notice

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

Installation Manual

HDX-4000
HDMI over Twisted Pair

Extend HDMI display with IR control up to 150 feet away to up to 4 displays

www.smartavi.com

Introduction

The HDX4000 extends your HDMI input to up to 4 output displays up to 150 feet away using CAT-6 cables. It is equipped with HDMI™ (high definition multimedia interface) connectors and is capable of supporting DVI (digital visual interface) equipment when used with a HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater components.
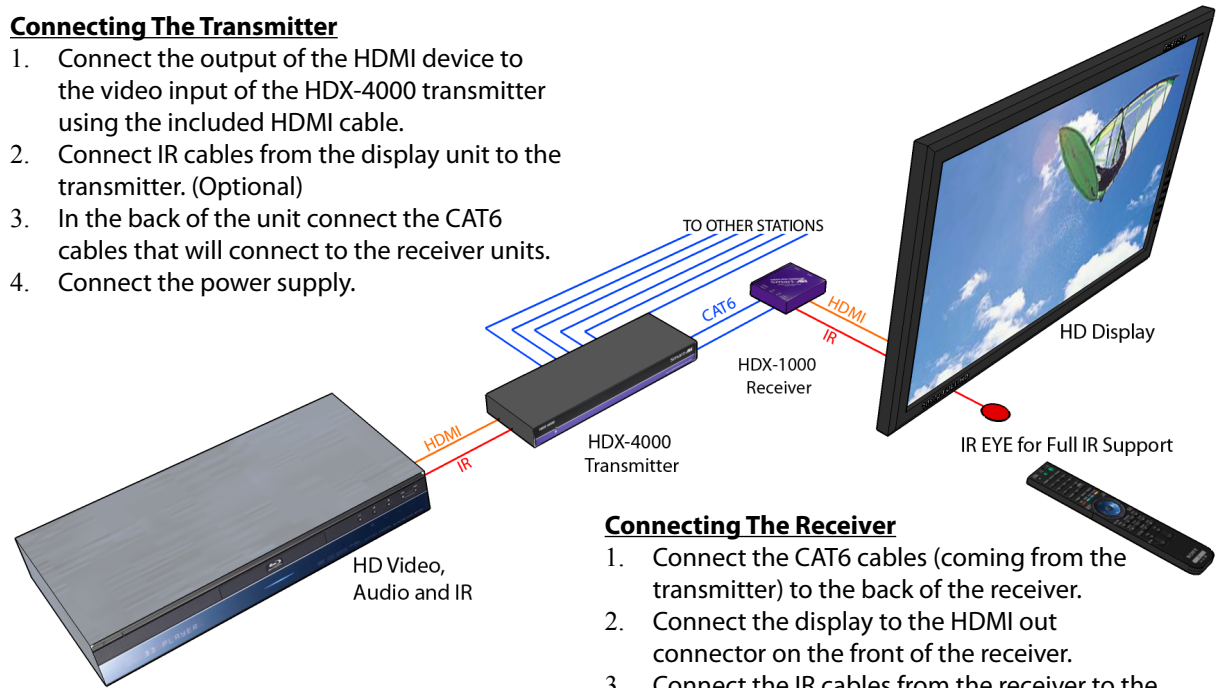
Features

• Extend HDMI display with IR control up to 150 feet away to up to 4 Displays.
• Top quality image at all resolutions.
• Maintains multiple high definition resolutions up to 1080p or 1920x1200 for computers.
• Distances: 150 ft with a CAT6 STP cable.
• Compatible with all operating systems.
• Supports digital video/audio.
• Supports DDWG standards for HDMI compliant monitors.
• HDCP compliant.
• HDMI™ compliant.
• Uses easy to install, inexpensive twisted pair cable.
• Sends Infrared Remote over twisted pair.
• Fully compliant with standard modulated IR and the latest IRDA.
• Fully transparent path for all protocols and data transfers.

HDX-4000 Transmitter - Installation Diagram

Connecting The Transmitter
1. Connect the output of the HDMI device to the video input of the HDX-4000 transmitter using the included HDMI cable.
2. Connect IR cables from the display unit to the transmitter. (Optional)
3. In the back of the unit connect the CAT6 cables that will connect to the receiver units.
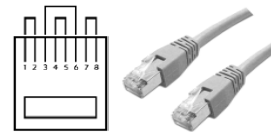4. Connect the power supply.

TO OTHER STATIONS

CAT6

HDMI

IR

HD Display

HDX-1000 Receiver

HDX-4000 Transmitter

HDMI

IR

HD Video, Audio and IR

IR EYE for Full IR Support

Connecting The Receiver
1. Connect the CAT6 cables (coming from the transmitter) to the back of the receiver.
2. Connect the display to the HDMI out connector on the front of the receiver.
3. Connect the IR cables from the receiver to the display unit. (Optional)
4. Connect the power supply.

Preparing & Connecting System CAT6 Cable
Following is the wiring standard for terminating CAT 6 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

1 2 3 4 5 6 7 8

Connectors: RJ-45
Capacitance: 14 pf/ft (46.2 pf/m)
Conductor Gauge: 24 AWG
Impedance: 100 +/- 15 ohms
                              4 - Pair

What's in the box?

Description	Qty	Part Number
HDMI Transmitter	1	HDX-4000
HDMI Cable	1	CCHDMIMM06
5VDC 2A Power Supply	1	PS-5V2A-US
Optional		
HDMI Receiver		HDX-RX1000
IR Emmiter		SM-LED
IR Eye Receiver		SM-EYE