

## TECHNICAL SPECIFICATIONS:

- Max. Resolutions HDTV: 480p, 720p, 1080i/p  
PC: 1920x1200 @ 60Hz
- HDMI Audio Support Stereo, DTS-HD, Dolby TrueHD
- HDMI Video Bandwidth 340MHz (10.2Gbps)
- HDCP/DDC/CEC Supported
- TMDS Input Voltage 1.2v (peak-to-peak)
- DDC Input Voltage 5v (peak-to-peak)
- IR Frequency 20-80KHz
- IR Cable Max Distance 15-Meters
- Serial Protocol RS-232C
- Serial Bandwidth Up to 57600bps / Full Duplex
- LAN Protocol Ethernet 10/100BaseT
- LAN Bandwidth Up to 100MHz
- LAN Protocol IEEE802.1q, 2.3, 2.3u, 2.3x
- LAN Cable Termination T568B Pin-out / Straight Thru
- Connectors RJ45 LAN, HDMI, 3.5mm IR, DB9
- Power Supply Only TX Module required External Power  
24v 1A DC / 100v-240vAC
- Operating Temperature 32<sup>o</sup>F to 158<sup>o</sup>F
- Enclosure / Net Weight Metal / 1.09 Lb per Module
- Standards HDMI v1.4a, DVI 1.0, HDCP v1.1  
FCC, CE, RoHS
- Warranty One Year
- Country of Origin Taiwan
- SKU / UPC HD4-C6E / 0 37229 00799 2



Do not attempt to service this unit yourself. Provide proper ventilation and air circulation.

v1.1

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# HIDAV<sup>®</sup>

## HDMI v1.4 3D/CEC

### 4-in-1 100-Meter 1xCAT6 Ext. Kit with Built-in RS-232 & IR Control and 6-Ports Fast Ethernet Hub

## Setup Guide

### (HD4-C6E)

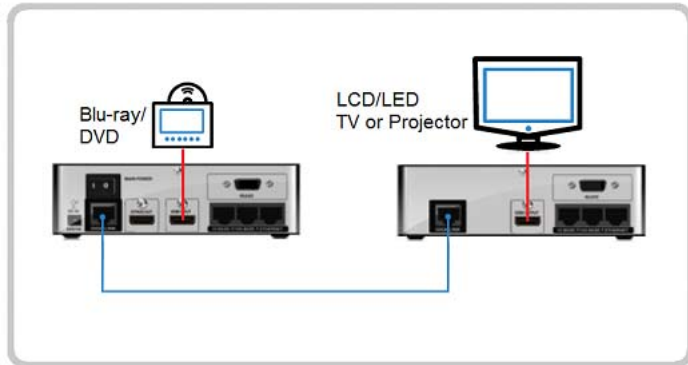
**[Must be used with Solid CAT6 Cables]**

**Note: HD4-C6E does not support HDMI v1.4 Ethernet Channel and ARC.**



## INSTALLATION (POINT TO POINT)

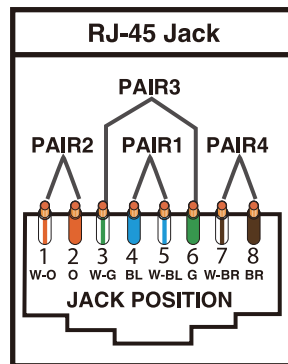
1. Connect the HDMI source device to the transmitter module (TX)  
Connect the IR blaster to HD4-C6E transmitter module
2. Connect the HD display to the receiver module (RX)
3. Connect HDE-K TX & RX units Gigalink Port using solid CAT6/6a cable.
4. Connect the power adaptor to TX and power on the TX module
5. Turn-on the HD display, then turn-on the HDMI source device



Note: The blue line that connects the 2 modules must be solid CAT6 straight-thru cable terminated in T568-B configuration. Maximum distance is 100-meters.

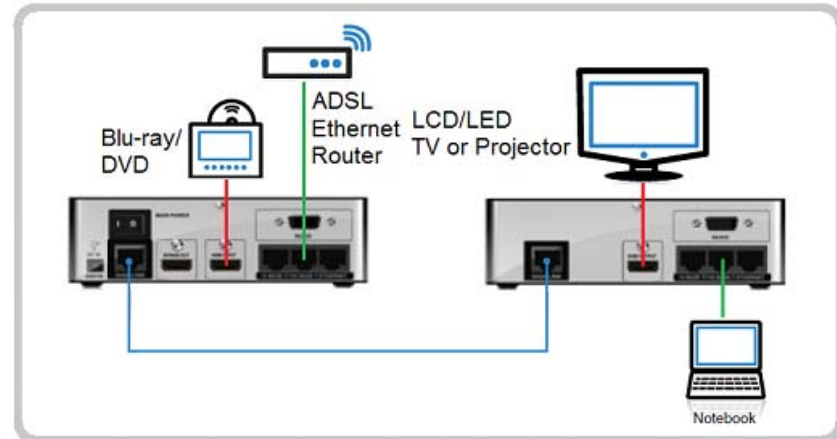
## T568-B CABLE CONFIGURATION:

Data Link TIA/EIA-568-B		
PIN	Color	Function
1	W-O	TX0-
2	O	TX0+
3	W-G	TX1-
4	BL	TX2-
5	W-BL	TX2+
6	G	TX1+
7	W-BR	TXC-
8	BR	TXC+



## INSTALLATION (HDMI + ETHERNET)

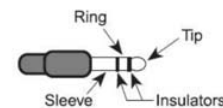
1. Connect the HDMI source device to the transmitter module (TX)  
Connect the IR blaster to TX
2. Connect the HD display to the receiver module (RX)
3. Connect the HD display to the TX "BYPASS OUT" port (optional)
4. Connect HDE-K TX & RX units Gigalink Port using solid CAT6/6a cable.
5. Connect the power adaptor to TX and power on the TX module
6. Turn-on the HD display, then turn-on the HDMI source device
7. Connect an Ethernet/Internet Router to one of the Ethernet port on TX module
8. Connect computer & a/v devices to the remaining Ethernet ports either on the TX or RX modules for internet access (if available).
9. Connect the RS-232 port on the TX to a computer's serial port
10. Connect the RS-232 port on the RX to the display's serial port



Note: Do not put an ethernet switch/router between the TX and RX modules.

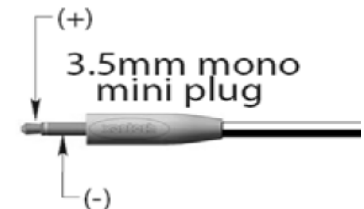
## IR PIN CONFIGURATION:

External IR IN (optional cable)

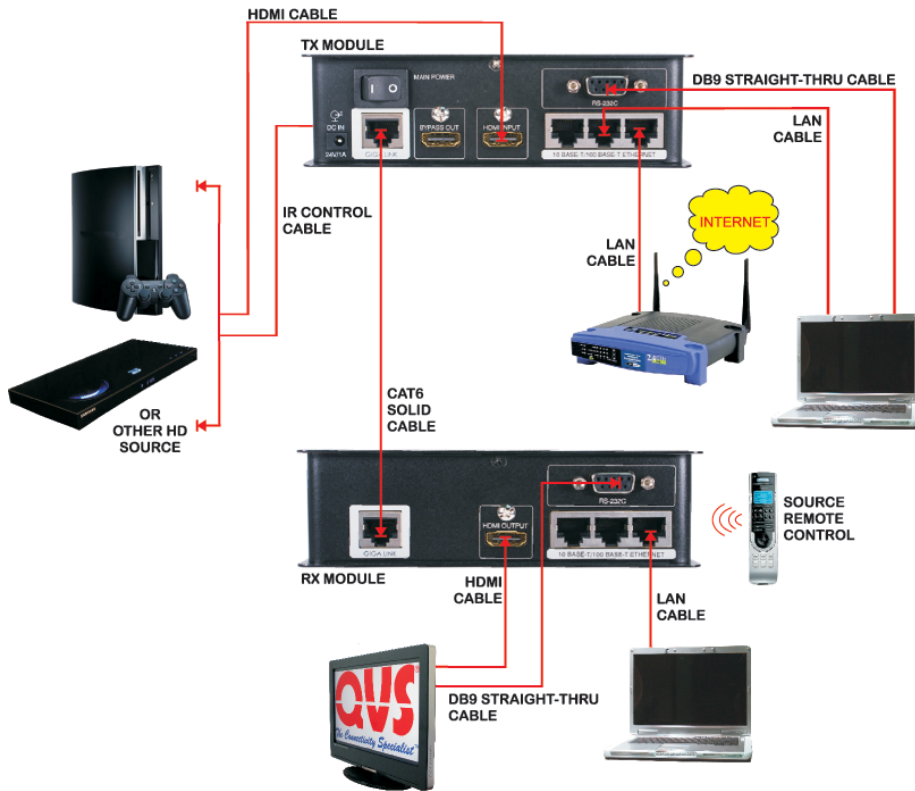


3.5mm mini plug	Signal Name
TIP	+3.3VDC
RING	SIGNAL
SLEEVE	GROUND

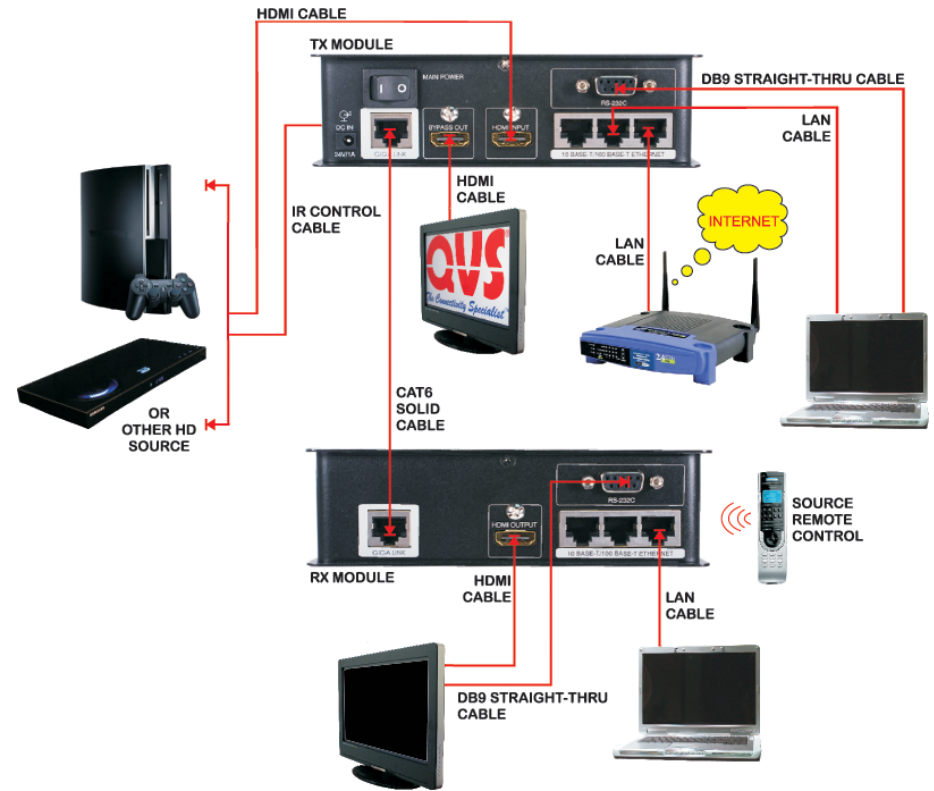
External IR OUT (cable included)



INSTALLATION DIAGRAM:



INSTALLATION (HDMI + ETHERNET WITH BYPASS PORT)



RS-232 CONFIGURATION:

Pin-out: 2-3 / 3-2 / 5-5

Settings: Bits per second: 57600

Data bits: 8 / Parity: None

Stop bit: 1 / Flow Control: None

Required RS-232 Cable: DB9 M/F Straight Thru Cables

Recommended Cables: CC317 Series

For internet connection, the router must be connected to internet service. The HD4-C6E does not support HDMI over Ethernet and is dependent on external router to provide HDCP to connected devices. HD sources & displays, router, computers, remote control and required cables are not included in the package.

When an HD display is connected to TX HDMI "Bypass" port, the display connected to the RX module will be blank. It is not a pass-thru local HDMI port. Use the bypass port for troubleshooting purposes only.