



Model: HDC650

Cat 6 HDMI Extender



User Manual v1.1

Package Contents



HDMI Sender
HDMI Receiver



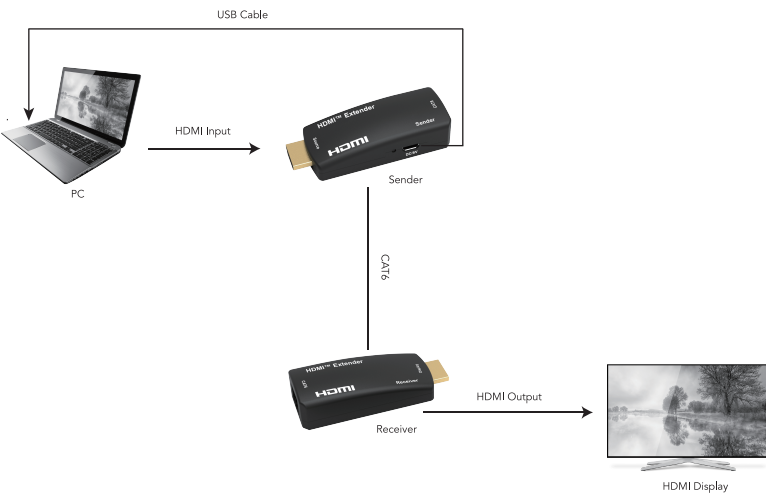
2 x Micro USB Power Cable

Ports and Interfaces



1. Source: Connect the Sender to Input Source (Computer or Set Top Box) via HDMI connector
2. Display: Connect to the Receiver to Display via HDMI connector
3. DC 5V: Micro USB Power DC 5V. On the Sender, connect to USB port on Input Source. Optional on the Receiver, only connect if the power from the Sender is not enough.
4. Reset: Reset on Receiver only to equalize different cable lengths
5. CAT 6: Connect CAT 6 Cable from sender to receiver to extend HDMI signal

Connection Diagram



Introduction

Use the convenience of a single CAT 6 network cable to extend your HDMI signal up to 50m at Full HD 1080p. Ideal for extending your HDMI signal using existing CAT 6 building cable. The reset function on the receiver automatically adjusts the signal to match the cable length for perfect picture performance.

Features

- Supports Full HD 1920 x 1080 @60Hz up to 50m using CAT 6 cable
- Supports Full HD 1920 x 1080 @60Hz up to 35m using CAT 5e cable
- Supports lossless uncompressed AV signal transmission
- Compliant with HDMI v1.3
- Supports 3D video format
- Supports compressed digital audio including Dolby True HD, DTS-HD Master Audio, Dolby Digital, Dolby-AC3 and DTS
- No power required at the display end – receiver is powered from the sender using the CAT 6 cable

Installation

- Connect the sender unit to the HDMI connector of the computer, set top box or other source device
- Connect the receiver unit to the HDMI monitor or HDTV
- Using one of the included micro USB power cables, connect the small end to the DC 5V port on the sender unit and the large end to a USB port on the computer or set top box. (If your set top box does not have a USB port, then connect to a standard 5V USB phone charger)
- Power is not required for the receiver unit. It draws power from the transmitter via the Cat 6 cable
- Connect the Cat 6 cable to the sender unit and the receiver unit
- Turn on the computer or set top box and monitor or HDTV
- You should have a pixel perfect image on your monitor or HDTV

Specification

Input Ports	1 x HDMI male and 1 x RJ45 female
Output Ports	1 x HDMI male and 1 x RJ45 female
Max Distance CAT 6 Cable	50m for 1080p (1920 x 1080 @60Hz)
Max Distance CAT 5e Cable	35m for 1080p (1920 x 1080 @60Hz)
Vertical Frequency Range	50/60Hz
Interlaced Resolutions (50 & 60Hz)	480i ,576i, 1080i
Progressive Resolutions (50 & 60Hz)	480p, 576p, 720p, 1080p
Operating Temperature	0° C to 50° C
Storage Humidity	5% to 90% RH non-condensation
Power Supply (Sender)	Powered from host using micro USB cable
Power Supply (Receiver)	Optionally powered from display using micro USB cable
Power Consumption (Max)	5W
Extender Unit Certification	RCM, FCC, CE, RoHS
Dimension (L x W x H)	62 x 27 x 17mm
Net Weight	Sender:18g / Receiver:17g
Material	ABS

Troubleshooting

Problems	Causes	Solutions
No picture or the picture flickers.	There is no power connected.	Plug the USB power cable into the host device (computer or set top box) and connect the other end to the DC 5V port on the sender.
After pressing the reset button to change the Equalization value, there is still no picture.	The cable quality may be poor and does not meet CAT 5e or CAT 6 specifications.	Please change to a good quality cable and ensure the cable length is no less than 1 metre.
After checking the cable and equalization, there is still no picture.	The power being supplied by the host device via the sender is not enough.	Make sure both the sender and receiver are powered by connecting the USB power cable to the display.



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