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SINCE 1937

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HDMI

HDMI0104SCATV2

1 to 4 over single CAT 4K splitter with HDMI Loop,
IR control & HDCP 2.2

User Guide



Important Safety Notice

Please read these safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repair the device or open the enclosure without professional person guidance to avoid electronic shock.
5. Make sure good ventilation openings to avoid product overheating damage.
6. Shut off power and make sure environment is safe before installation.
7. Do not plug-in/out the network cables and IR cables when it is in using to avoid cables damage.
8. Use DC12V only. Make sure the specification matched if using 3rd party DC adapters.

Introduction

This Antiference HDMI device splits and extends a 4K HDMI source to 4 points over single CAT6 cables up to 30m/100ft away. Also included is an HDMI loop through for a local set or to loop the signal into another part of the system such as an Antiference HDMI modulator.

This splitter supports resolutions up to 4Kx2K@60Hz, HDCP 2.2 and IR control is also included allowing the user to control the source device from the remote location(s)

The receiver units are POE meaning no power is required at the TV point. The main splitter unit provides the power for the entire system.

Compatible with SKY HD & SKY Q and Blu Ray, Apple TV or CCTV applications etc.



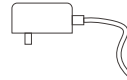
Package contents



Transmitter unit ×1pcs



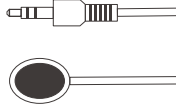
Receiver unit ×4pcs



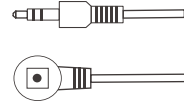
DC12V/3A ×1pcs



User Manual ×1pcs



IR blaster extension
cable x1pcs



IR receiver extension
cable ×4pcs

Features

1. Distribute 1 HDMI source to 4 HDMI displays over network cable.
2. HDMI Loop-out.
3. Compatible with CAT6/6a/7 network cables.
4. The transmission distance is up to 30m/100ft when 4K@60Hz, 50m when 4K@30Hz and 60m when 1080p@60Hz.
5. The highest resolution supported is 4Kx2K@60Hz.
6. Supports 20~60Hz IR pass back.
7. Supports EDID control function.
8. POE receivers.
9. Simple plug and play technology.
10. Wall or shelf mounting options.

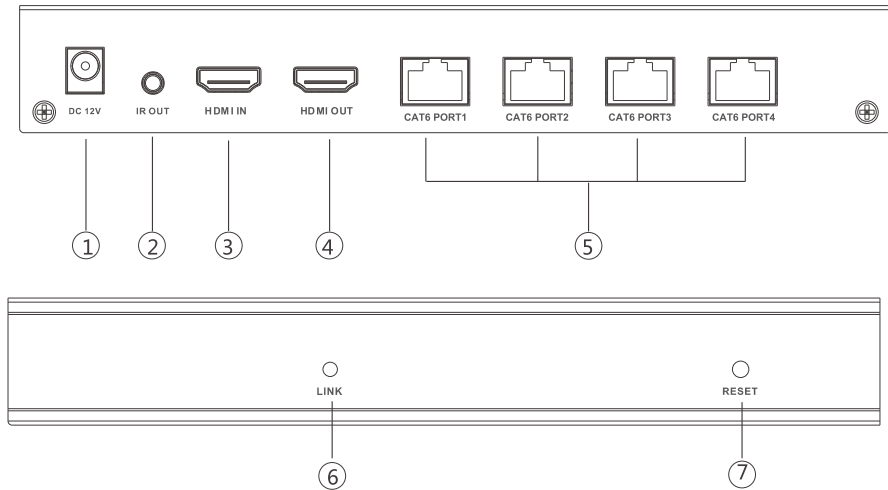


Installation Requirement

1. HDMI source device (SKY, BD,PS3, Apple TV, CCTV etc)
2. HDMI display device such as HDTV, or projector with HDMI port.
3. UTP/STP CAT6/6A/7 cable, follow standard IEEE-568B.

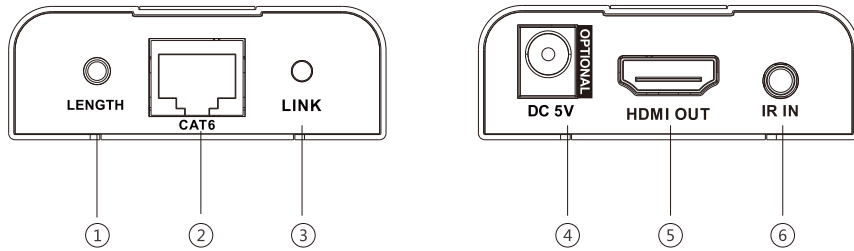
Panel description

1. Transmitter unit (TX)



1. Power input (DC12V)
2. IR signal output to connect with blaster extension cable
3. HDMI input
4. HDMI output
5. RJ45 signal output
6. Power/ signal indicator
7. Reset button

2. Receiver unit (RX)



1. Reset
2. RJ45 signal input
3. Power/Signal indicator
4. Power input
5. HDMI signal output
6. IR signal input

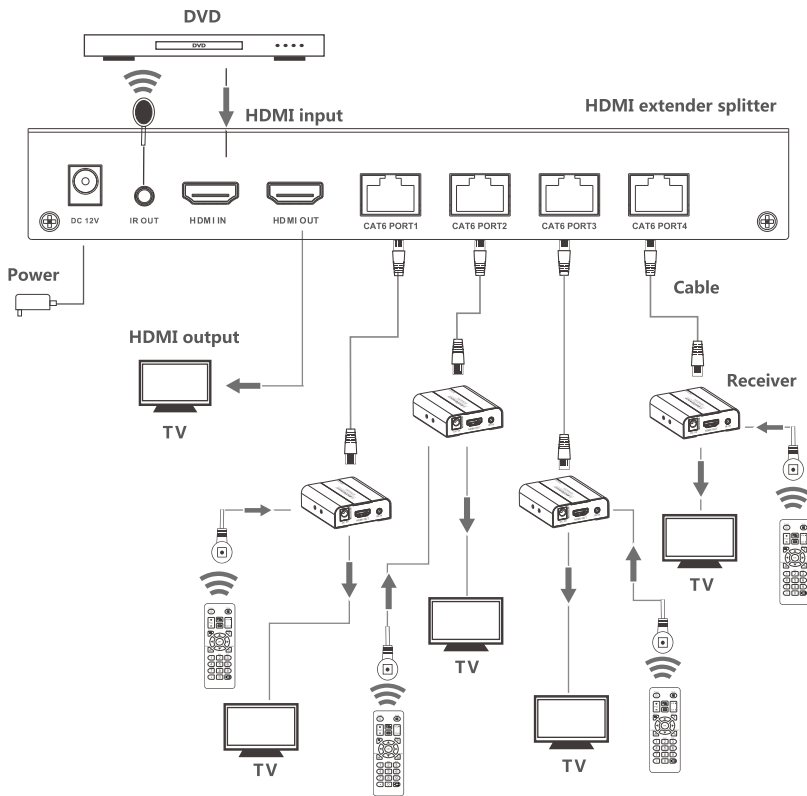
Installation Procedures

How to make a CAT5/5E/6 network cable

All connections should be terminated to the standard IEEE-568B:

- | | |
|-----------------|-----------|
| 1- Orange/white | 2- Orange |
| 3- Green/white | 4- Blue |
| 5- Blue/white | 6- Green |
| 7- Brown/white | 8- Brown |

Connection



Connection instruction:

1. Connect the HDMI signal source device to the HDMI input port on the main splitter unit.
2. Connect the IR blaster to EXTENDER IR OUT and position in front of the source device in the correct location to enable control.
3. Connect the CAT6 output cables to be fed to the remote location(s) to the RJ45 output ports.
4. Connect the CAT6 cable into the RJ45 port on the RX and connect an HDMI cable between the RX and TV set in the remote location.
5. Connect the IR RX sensor to the RX box and position on the front of the TV where the remote control can communicate with it.
6. Insert the power supply to the main splitter unit (Power's signal light is red on start up, when there is signal input then the power light will turn blue)

FAQ

Q : No image or audio output on display ?

A:

1. Please check if display is in standby mode;
2. Please check the correct HDMI input is selected on the display
3. Please check that the "LINK" LED on RX side remains on. If the LED is flashing, this means RX is not receiving signal from the main splitter unit.
4. Please check whether signal indicator LED on the splitter is blue, Red LED means no input signal is being received.
5. Please check input resolution of the source device. This splitter/extender set does not support 4K/UHD resolutions

Q : Image unstable ?

A:

1. Press the "LENGTH" or "RESET" button on the splitter to re-identify the signal;
2. Try un-plugging the RJ45 connections and re-insert.

Q : Only partial ports have output ?

A:

1. Please check the CAT cable or HDMI cable are connected correctly;
2. Press the "LENGTH" or "RESET" button on the transmitter to re-identify the signal;
3. Try un-plugging the RJ45 connections and re-insert.

Q : IR control is not working

A:

1. Are the IR TX & RX sensors in the correct ports?
2. Check the position of the IR TX sensor on the source device. Try alternative positions
3. Check to make sure the RX sensor is not 'blinded' by lighting or is obscured by decorations in the remote location.



Specification

Items	Specification
HDMI signal	HDMI 2.0, Compatible with HDCP 2.2
Input	1 x HDMI
Output	4 x RJ45 1xHDMI
Support resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz 3840x2140@30/60Hz
Working temperature	0°C - 60°C
Power Supply	DC12V/3A
Power consumption	TX: <32W RX: <6W
Dimension	TX: 212.6(L) x 102.49(W) x 31.0(H) mm RX: 101.1(L) x 81.6(W) x 20.6(H)mm
Colour	Black

Declaration of Conformity

We, ANTIFERENCE LIMITED herewith declare that the HDMI splitter kit complies with all essential requirements and any other applicable conditions set forth on directive 2014/30/EU.

According to the WEEE (Waste Electrical and Electronic Equipment) EU Directive, do not dispose of this product as household waste or commercial waste. Waste Electrical and Electronic Equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.