

# User Manual

## ROLINE HDMI over IP Extender 4K30Hz Rx+Tx, 120m, W/IR

**14.01.3642**

### Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

### Introduction

With this HDMI™ video extender, you can extend HDMI™ signals or DVI signals (with an HDMI™-DVI adapter, not included) up to 120 m for Ultra HD (4K@30Hz) video over a single Cat 5e/6 cable. An ideal solution for sharing a screen or projector over a LAN network, allowing a video source to be connected without a digital video output. IR signals from the remote control of the video source can also be redirected - perfect for controlling your video source from your video destination.

### Features

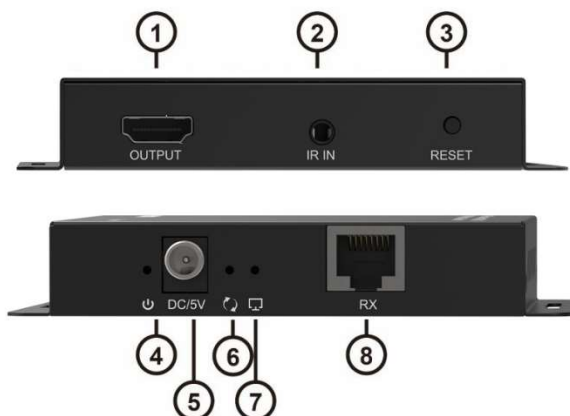
- 2 extension modes: simple mode (1:1), allocation mode (1: N)
- Following TCP/IP standard
- Resolutions up to 480p/720p/1080i/1080p/4K@30Hz
- Max video bandwidth to 3.4Gbps/340MHz per channel (10.2Gbps all channels)
- Cat 5e/6 cable needs to follow the standard of IEEE-568B
- Supports 3D

### Package Content

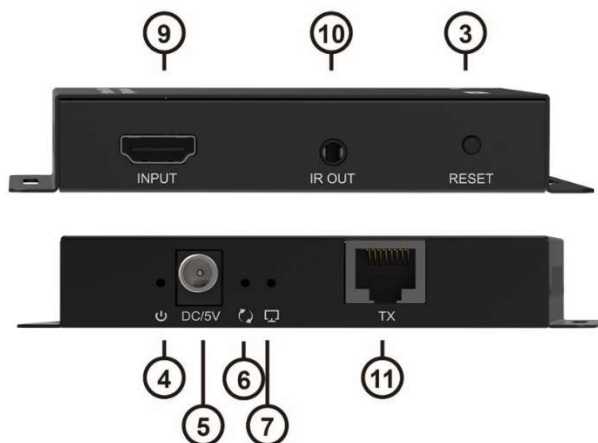
Main Unit Transmitter (TX)	1x
Main Unit Receiver (RX)	1x
Adapter	2x

## Ports and Interfaces

### Receiver (RX)



### Transmitter (TX)



1. OUTPUT: HDMI Output

2. IR IN: IR Signal Input

3. RESET: Restart

4. DC 5V: Power LED Indicator

5. DC/5V: DC 5V In

6. HDMI Signal Status LED Indicator

If the HDMI signal is being transmitted normally, the LED indicator is on

If there is no HDMI signal, the LED indicator is off.

7. Cat 5e/6 cable Link LED Indicator

When a Cat 5e/6 Cable is connected, the LED Indicator is on

When no Cat 5e/6 Cable is connected, the LED Indicator is off

When a Cat 5e/6 Cable is connected and the video signal is transmitted normally, the LED indicator flashes quickly.

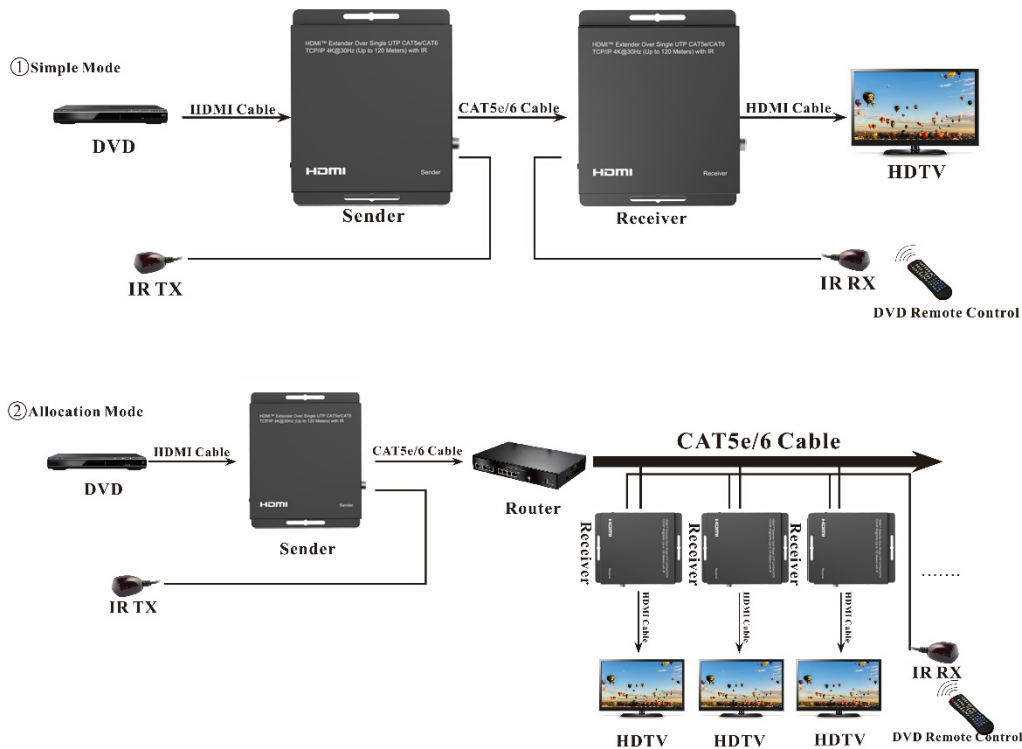
8. RX: Port for Cat 5e/6 Cable

9. INPUT: HDMI Input

10. IR OUT: IR Signal Output

11. TX: Port for Cat 5e/6 Cable

## Connection Diagram



## Specification

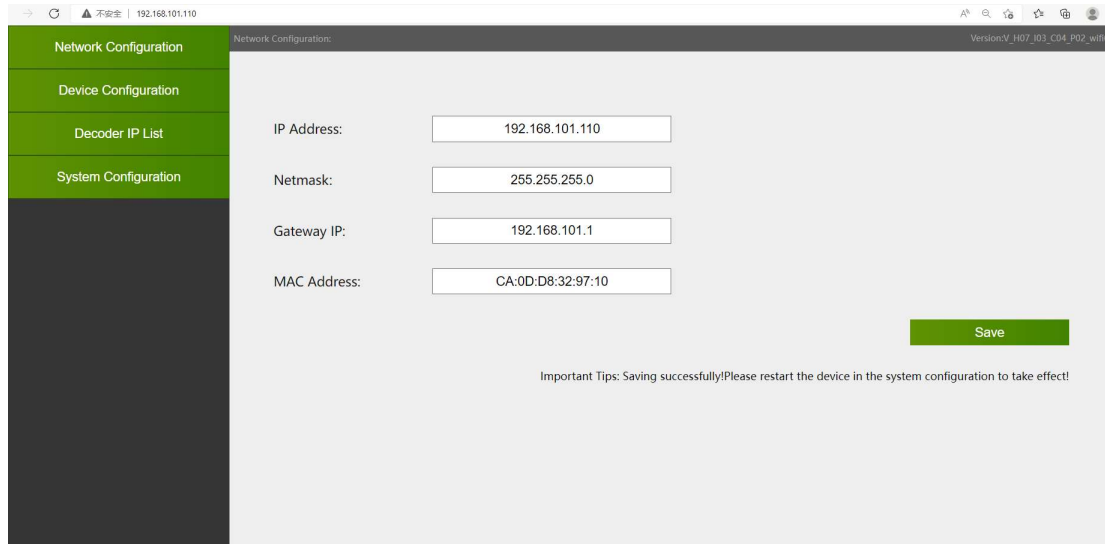
Input Port	HDMI x1, IR IN x1
Output Port	HDMI x1, IR OUT x1
Extensions Distance	120m at 4K@30Hz
USB transmission rate	480Mbps
Vertical Frequency Range	50/60Hz
Interlaced Resolutions (50&60Hz)	1080i
Progressive Resolutions (50&60Hz)	480p,576p,720p,1080p,4K@30Hz
Operating Temperature	0°C to 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V 1A x 2pcs
Power Consumption (Max)	TX: 2W, RX: 2W
Extender Unit	CE
Power Supply	CE
Dimension (L x W x H)	TX/RX: 119.5 x 94 x 24mm
Net Weight	TX/RX:214g
Material	Metal

Note: Specifications are subject to change without notice.

## IP address setting:

Note: the IP address of the sender is fixed to 192.168.101.110, and the IP address of the receiver is random.

## Transmitter (TX):

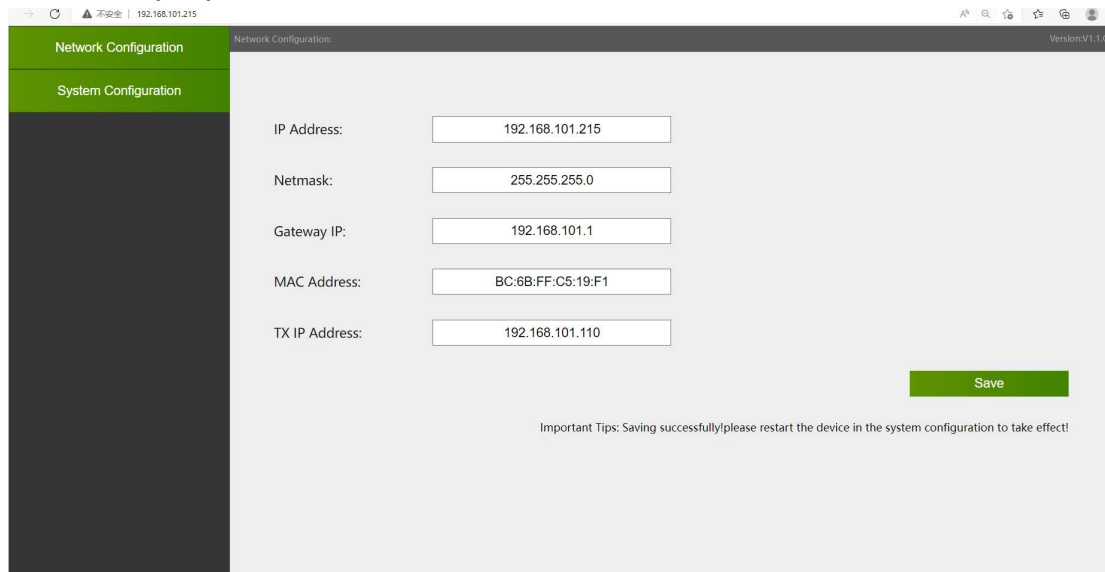


The screenshot shows the 'Network Configuration' page for the Transmitter (TX). The browser address bar shows '192.168.101.110'. The page has a green sidebar with menu items: 'Network Configuration', 'Device Configuration', 'Decoder IP List', and 'System Configuration'. The main content area contains the following configuration fields:

IP Address:	192.168.101.110
Netmask:	255.255.255.0
Gateway IP:	192.168.101.1
MAC Address:	CA:0D:D8:32:97:10

A green 'Save' button is located at the bottom right. Below the button, a message reads: 'Important Tips: Saving successfully!Please restart the device in the system configuration to take effect!' The top right corner of the page indicates 'Version:V\_H07\_I03\_CD4\_P02\_wifi5'.

## Receiver (RX):



The screenshot shows the 'Network Configuration' page for the Receiver (RX). The browser address bar shows '192.168.101.215'. The page has a green sidebar with menu items: 'Network Configuration' and 'System Configuration'. The main content area contains the following configuration fields:

IP Address:	192.168.101.215
Netmask:	255.255.255.0
Gateway IP:	192.168.101.1
MAC Address:	BC:6B:FF:C5:19:F1
TX IP Address:	192.168.101.110

A green 'Save' button is located at the bottom right. Below the button, a message reads: 'Important Tips: Saving successfully!please restart the device in the system configuration to take effect!' The top right corner of the page indicates 'Version:V1.1.C'.

## Troubleshooting

Problems	Causes	Solutions
No power /all LEDs off	Maybe the power supply is not connected well or the wrong power adapter is used.	Please check if the power supply is connected correctly and the output voltage value is correct
No sound or sound issues	Maybe the HDMI connection is not good, the audio format is not supported by the diaplays or the source player is set to a different connection for the audio output.	Please check if the HDMI cables are connected correctly; if the audio format is supported by the displays. You can change to the supported audio format respectively check if the audio output of the player is set to HDMI audio output or not
No picture or picture flickering	Maybe the HDMI cable quality and/or the Cat 5e/6 Cable quality is not good enough or they are or not connected correctly.	Please check if the HDMI or CAT connection is OK and if necessary, use another HDMI cable or another Cat 5e/6 Cable to solve the problem.



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