

TrueReach

HDMI Wireless EXTENDER
4K/60Hz Point to Point Extender



User Manual
Y10G009-B1

Important safety notice

- 1- Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
- 2- Never insert anything metallic into the open parts of this device. This may cause a danger of electric shock.
- 3- The device should be repaired only by a qualified technician.
- 4- Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.

Introduction

This TruReach is a wireless HDMI extender capable of transmitting 4K resolution at 60Hz, complete with both a transmitter and a receiver. Utilizing ipcolor STREAM technology ensures high-definition transmission with minimal latency. Operating within the 5G wireless frequency band, it boasts stable anti-interference capabilities and ensures safety during operation. With support for 1-to-1 wireless transmission, it can cover distances of up to 20 meters, eliminating the need for complex wiring setups. Whether for video conferences, home entertainment, or multimedia education, this extender offers an ideal solution for wireless video transmission needs.

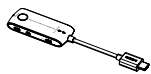
Note:

- 1- Please note that transmission distances may vary based on the surrounding environment.
- 2- Solid structures like walls, bricks, and glass may attenuate or block signals, potentially leading to reduced or lost connections.
- 3- Nearby wireless signals can interfere with transmission. In such cases, channels can be switched to minimize interference and maintain a stable connection.

Features

- Utilizing ipcolor STREAM technology ensures high-definition and low-latency transmission.
- Capable of supporting resolutions up to 3840x2160@60Hz, with backward compatibility.
- Wireless transmission extends up to 20 meters in a line of sight scenario.
- Offers SSID pairing and channel switching functionality to mitigate interference in environments with multiple sets of products.
- Operates on 5G wireless frequency bands, providing robust anti-interference capabilities.
- Firmware upgrades can be conveniently performed via the Micro USB port.
- Designed for portability and ease of use, featuring a plug-and-play setup.

Package Contents



Transmitter x1



Receiver x1



Micro USB
cable x2

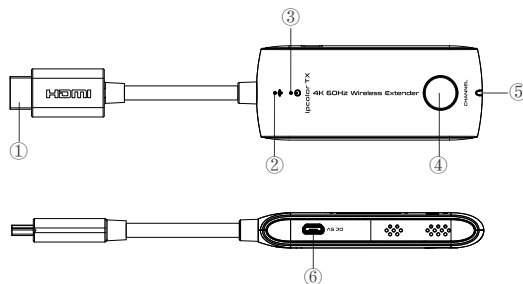


User manual x1

Installation Requirements

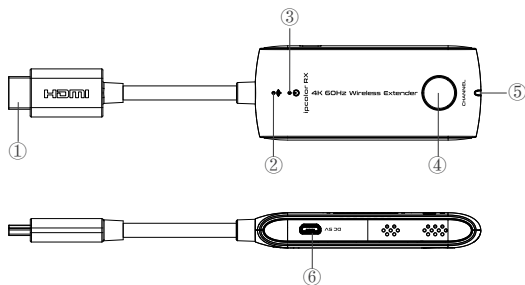
1. HDMI source device (DVD, game console, PC, etc.)
2. HDMI display device (TV, projector, LED screen, etc.)

Panel Description - Transmitter (TX)



① HDMI input	Connect with HDMI source device
② WiFi indicator	a) Slow flash: waiting for connection b) Steady on: connection succeeded c) Quick flash: SSID Pairing mode
③ Power indicator	The indicator will turn red when the power is turned on
④ Channel switch button	a) press to switch channels b) Press and hold 5s for SSID pairing c) Press and hold 10s for restore factory settings
⑤ Signal indicator	a) Light off: no HDMI signal b) Steady on: HDMI signal is transmitting c) Quick flash: restore factory settings
⑥ Micro USB port	For power input and firmware upgrade

Panel Description - Receiver (RX)



①	HDMI output	Connect with HDMI display device
②	WiFi indicator	a) Slow flash: waiting for connection b) Steady on: connection succeeded c) Quick flash: SSID Pairing mode
③	Power indicator	The indicator will turn red when the power is turned on
④	Channel switch button	a) After connecting with TX, press to switch channels b) Press and hold 5s for SSID pairing c) Press and hold 10s for restore factory settings
⑤	Signal indicator	a) Light off: no HDMI signal b) Steady on: HDMI signal is transmitting c) Quick flash: restore factory settings
⑥	Micro USB port	For power input and firmware upgrade

Installation Procedures

1. Connection Diagrams

One to one connection



2. Connection Instructions

- Connect the transmitter to the HDMI output port of the signal source device.
- Connect the receiver to the HDMI input port of the display device.
- Plug the power supply into the devices to get started.

Note: Please connect the Micro USB cable to the 5V 1A wall charger when transmitting 4K video, for long-distance use or when the picture is not smooth.

3. SSID Pairing

- Enter the SSID pairing mode by holding the transmitter and receiver's channel switch buttons for five seconds. Both WiFi connection indicators will flash quickly in blue.

Installation Procedures

2. When the SSID pairing is successful, the WiFi indicators on the transmitter and receiver will change from quick flashing to slow flashing or steady on.

NO.	Frequency
Channel 1	5.180 GHz
Channel 2	5.200 GHz
Channel 3	5.220 GHz
Channel 4	5.240 GHz

FAQ

Q: Why the receiver and transmitter cannot be connected, showing "Search ipcolor Tx..." on the screen?

- A: 1) Move transmitter and receiver closer.
2) Re-power the transmitter or receiver.
3) Re-pair the transmitter and receiver.

Q: Why the Wi-Fi indicator is steady on but showing "Please check the TX input signal" ?

- A: 1) Make sure the TX has HDMI input and that the resolution is within the specified range.
2) Try to connect the signal source directly to the display device, or change the signal source and HDMI cable and test again.

Q: Why is the display stuttering or unstable?

- A: 1) Place the transmitter or receiver within the signal coverage and minimize obstructions between the transmitter and receiver.
2) Switch to a different channel to avoid interference from other wireless signals.
3) Re-power the receiver or transmitter.

Specifications

Items	Specifications	
Power Supply	Voltage/Current	Micro USB power supply (5V/1A)
	Power consumption	TX < 4.5W, RX < 3.5W
HDMI Performance and Interface	HDMI version	HDMI 2.0
	HDCP version	HDCP 1.4/HDCP 2.2
	Max transmission rate	18Gbps
	Resolution supported	3840x2160@24/30/50/60Hz (YUV 4:4:4, YUV 4:2:2 and RGB), 1080P@50/60Hz, 720P@50/60Hz, 1920x1200@60Hz
	Input and output TMDs signal	0.7~1.2Vp-p (TMDs)
	Input and output DDC signal	5Vp-p (TTL)
Transmission	Wi-Fi Frequency bands	5.18-5.24 GHz
	Transmission distance	≤ 20m
Transmission	Latency	100~250ms
	Connection types	One to one
	SSID pairing	Supported
Protection Level	ESD protection	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2
	Operating Environment	
Operating Environment	Working temperature	-20~50 °C
	Storage temperature	-30~70 °C
	Humidity (no condensation)	0~90% RH
Physical Properties	Dimension	TX: 40.2(W) * 230(L) * 15.0(H)mm RX: 40.2(W) * 230(L) * 15.0(H)mm
	Color	Black
	Material	ABS
	Net weight	TX: 58g; RX: 54g

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