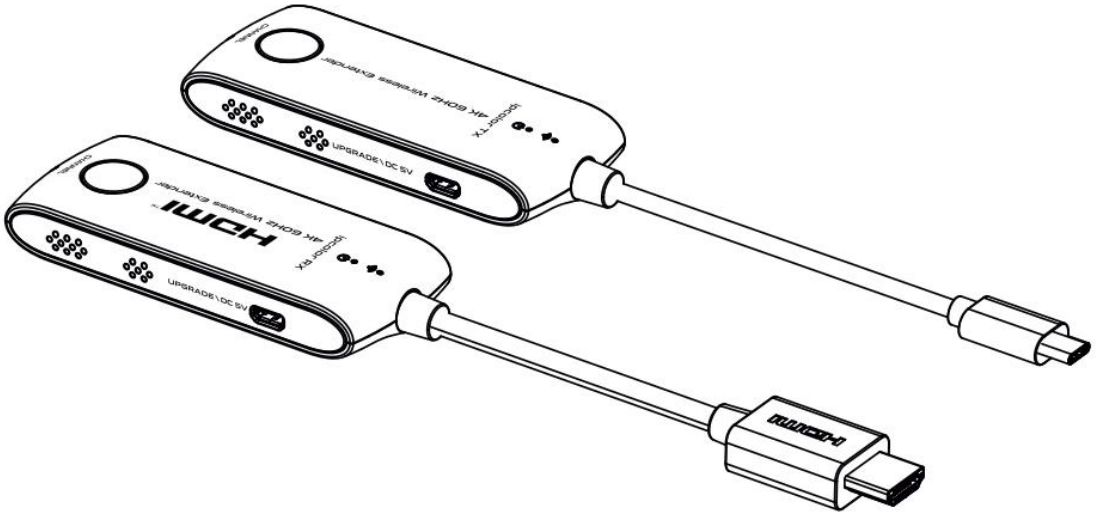
4K@60Hz Mini Wireless TypeC Extender up to 20meters

User Manual

TT488TypeC-V2.0



HIGH-DEFINITION MULTIMEDIA INTERFACE

Important Safety Instructions:

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 is a 4K@60Hz TypeC wireless extender, including a transmitter and a receiver. Adopting ipcolor STREAM technology can realize high definition and low-latency transmission. Based on the 5G wireless frequency band, with stable anti-interference and safety performance. It supports up to 16-to-1 wireless transmission, and the transmission distance can reach to 20 meters, effectively solving problems caused by complicated wiring. It's an ideal wireless video transmission solution for video conferences, home entertainment, multimedia education, etc.

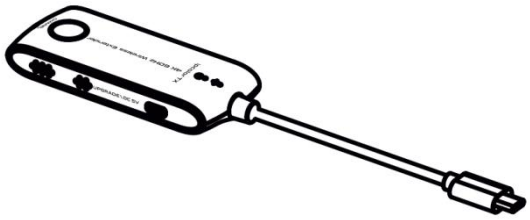
Note:

1) Transmission distances may vary depending on the environment.
2) Signals may be reduced or completely lost by solid structures such as walls, bricks, and glass.
3) The surrounding wireless signal may cause certain interference to the transmission, and the channel can be switched to reduce the interference.

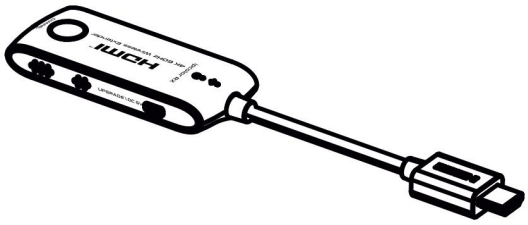
•Features

1. Adopting ipcolor STREAM technology can realize high definition and low-latency transmission.
2. Support up to 4096x2160@60Hz resolution, backward compatible.
3. Supports up to 16-to-1 wireless transmission, and the transmission distance up to 20 meters (line of sight).
4. In case of multiple sets of products in the same area, support SSID pairing and channel switching to avoid interference.
5. Support 5G wireless frequency bands, strong anti-interference.
6. Support firmware upgrade via Micro USB port.
7. Portable design, plug and play.
8. Supports stable 24/7 operation.

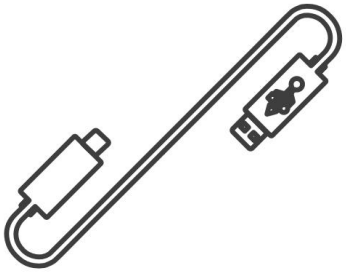
•Package Contents



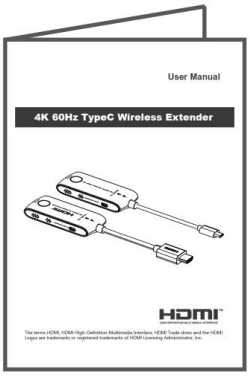
Type-C Transmitter x1



HDMI Receiver x1



Micro USB cable x2



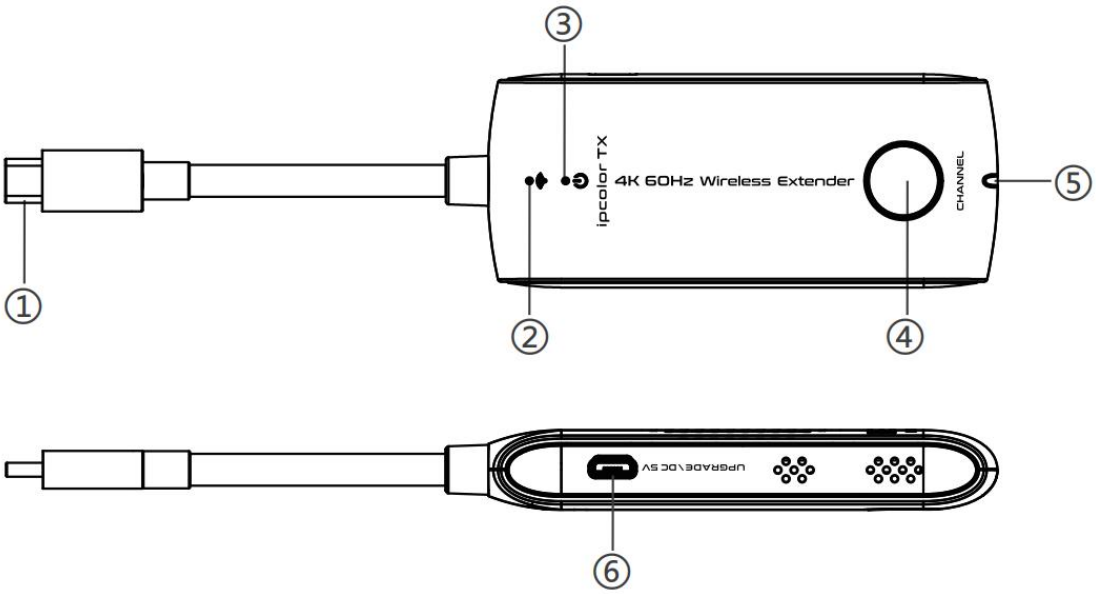
User manual x1

•Installation Requirements

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

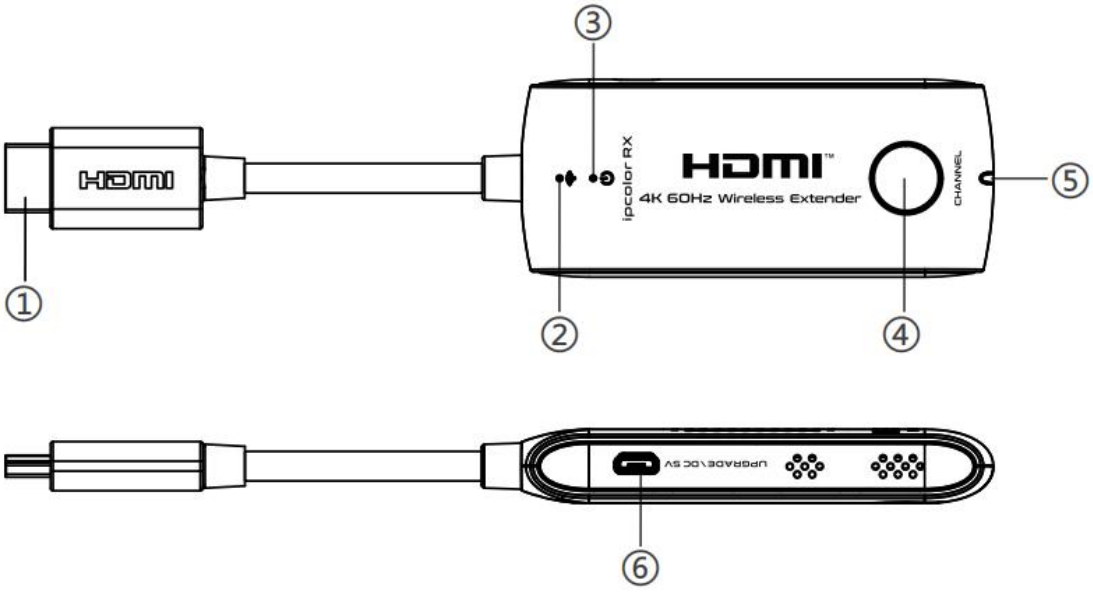
•Panel Description

Transmitter (TX)



①	Type-C input	Connect with Type-C source device
②	WiFi indicator light (Blue)	a) Slow flash: waiting for connection b) Steady on:connection succeeded c) Quick flash: SSID Pairing mode
③	Power indicator light (Red)	Indicator lights up when power is applied
④	Channel switch button	a) Short press to switch signal source b) Press and hold 5s for SSID pairing c) Press and hold 10s for restore factory settings
⑤	Signal indicator light (Blue)	a) Light off:no TypeC signal b) Slow flash: TypeC signal is transmitting c) Steady on: TypeC signal is connected and RX displays the TX content d) Quick flash: restore factory settings
⑥	Micro USB port	For power input and firmware upgrade

Receiver (RX)



①	HDMI output	Connect with HDMI display device
②	WiFi indicator Light (Blue)	a) Slow flash:waiting for connection b) Steady on:connection succeeded c) Quick flash:SSID Pairing mode
③	Power indicator Light (Red)	Indicator lights up when power is applied
④	Channel switch button	a) After connecting with TX, press to switch channels b) Press and hold 5s for SSID pairing, short press toend the pairing c) Press and hold 10s for restore factory settings
⑤	Signal indicator Light (Blue)	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

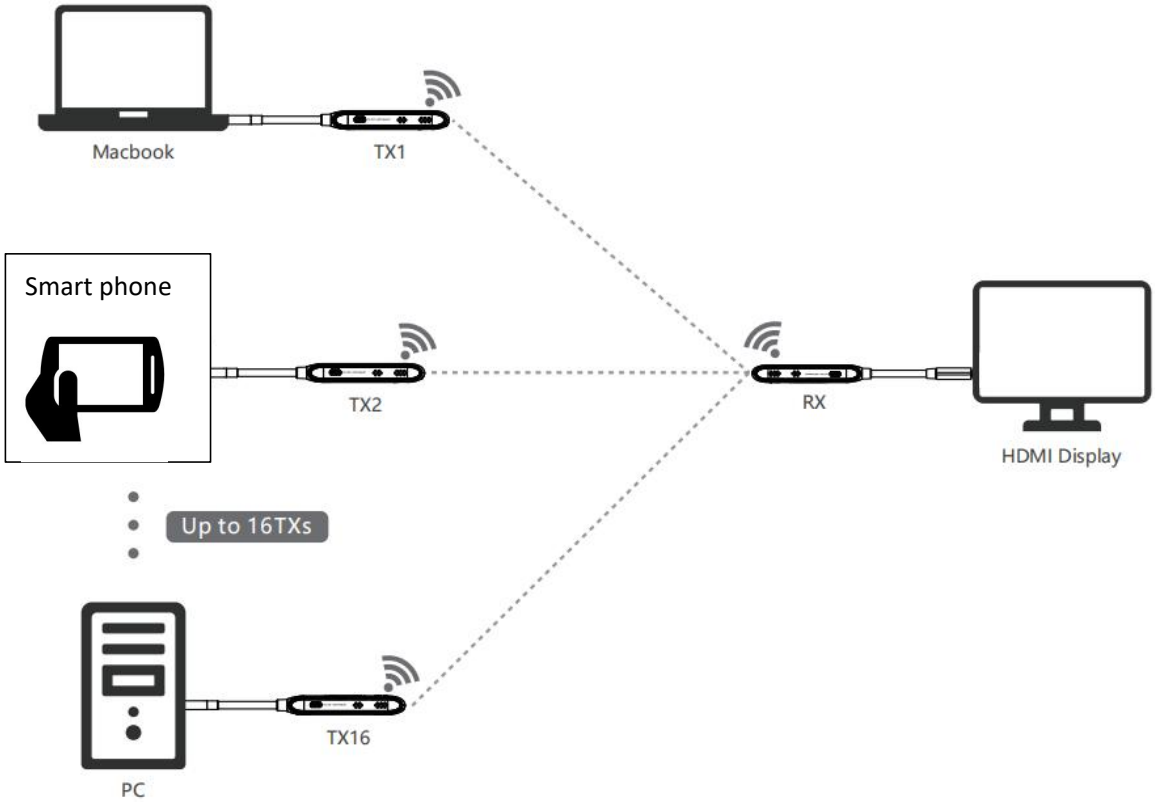
•Installation Procedures

1. Connection Diagrams

One to one connection



Many to one connection



2. Connection Instructions

a) Connect the transmitter to the TypeC output port of the signal source device.
b) Connect the receiver to the HDMI input port of the display device.
c) Plug the power supply into the devices to get started.

3. SSID Pairing, Channel switching and Factory setting.

1. The Receiver Channel switch button: Press and hold for 5 seconds to enter the pairing mode. The WiFi indicator light will flash rapidly.

2. The Transmitter Channel switch button: Press and hold for 5 seconds to enter the pairing mode. The WiFi indicator light will flash rapidly. Supporting up to 16 transmitters to switch between multiple users. Note: The WiFi indicator light flash rapidly when SSID pairing.

3. Once pairing for transmitters(less than 16) and receiver is successful, the TX WIFI indicator light will change from flashing rapidly to flash slowly.
   Press the receiver Channel switch button shortly to end pairing. Then the RX WIFI indicator light will remain light.

4. Switch the signal source by shortly pressing the transmitter channel switch button. The same image will appear on both the source device and the display.Audio and video will function normally.



5. If signal transmission is interfered with, press and hold the Receiver channel Switch button for 5 second to switch channels to avoid interference (there are four channels can be appears on monitor). Both Blue WiFi connection indicators will flash quickly.

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

6. The Transmitter channel switch button: Press and hold for 10 seconds to enter factory setting. The signal indicator light will flash rapidly.

7. The Receiver Channel switch button: Press and hold for 10 seconds to enter factory setting. The signal indicator light will flash rapidly.

• 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 TypeC 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 test again.

Q: Why is the display stuttering or unstable?

A: 1) Connect the Micro USB cable to the 5V 1A wall charger.

2) Place the transmitter or receiver within the signal coverage and minimize obstructions between the transmitter and receiver.

3) Switch to a different channel to avoid interference from other wireless signals.

4) Re-power the receiver or transmitter.

• Specification

Model TT488TYPEC-V2.0		Specifications
Power Supply	Voltage/Current	Micro USB power supply (5V/1A)
	Power consumption	TX < 5W, RX < 3.5W
HDMI Performance and Interface	HDMI version	HDMI 2.0
	HDCP version	HDCP 2.2/ HDCP 1.4
	Max transmission rate	18Gbps
	Resolution supported	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 1920x1200@60Hz, 1080P@24/25/30/50/60Hz, 720P@50/60Hz
	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 (clear line of sight)
	Latency	100~250ms
	Connection types	Up to 16-to-1
	SSID pairing	Supported
Protection Level	ESD protection	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2
Operating Environment	Working temperature	-20~60℃
	Storage temperature	-30~70℃
	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	Gray
	Material	Plastic
	Net weight	TX: 58g; RX: 54g