MARMITEK®

Stream 4K Pro

Conferencing solution

User Guide

Professional

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1. Stream 4K Pro Introduction

1.1 About the Stream 4K Pro

The Stream 4K Pro is an intuitive wireless presentation and collaboration system. It allows any participant to wirelessly share content from their laptop, smart devices to a display without the need for apps, setup, or cables.

The system supports up to 24 presenters with one-click screen sharing, dual-screen display, and multicast mode, as well as smart device casting. It can display content from up to 4 users on a single screen simultaneously, significantly enhancing corporate efficiency and productivity.

Stream 4K Pro also supports video conferencing through third-party tools such as Zoom and Teams, with no need for software installation or setup. Its dual-screen mode enables users to display camera content on one screen and shared content on the other, improving meeting efficiency.

With Stream 4K Pro, there are no concerns about software configuration, compatibility, Wi-Fi, or network setup, and no IT support is required. Its powerful and straightforward solution ensures that everyone can immediately use it for collaborative presentations.

1.2 Accessories Included：

- 1x Receiver
- 1x or 2x Transmitters
- 1x HDMI cable
- 1x Power cable
- 1x Power adapter
- 1x User Manual

1.3 Transmitter Specification

DP Version	DP1.2
HDCP Version	HDCP 1.4
Input Resolution	3840x2160/30fps; 1080p24/30/60fps,1080i50/60fps; 720p30/60fps;480p/60fps
Audio Format	Stereo, 16bits 48KHz
Latency	<100 ms latency (at 60fps)
Security	AES 128-bit encryption mechanism
Wireless Standard	IEEE 802.11ac, 5GHz, 1T1R
Frequency	5150-5350MHz; 5470-5725MHz; 5725-5850MHz; 5850-5925MHz The specific frequency bands utilized are based on the legal regulations by each country.

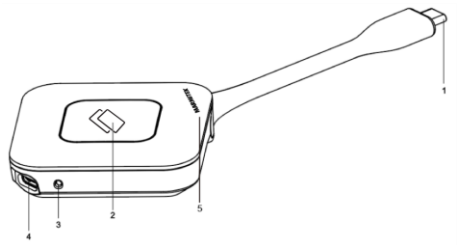
Bandwidth	Support 20MHz, 40MHz, 80Mhz
Antennas	3dBi
Distance	Up to 50 meters in a clear line of sight
I/O Ports	USB type-C (male) PC connection USB type-C (female) charger connection
Dimension	60x60x15mm
Weight	70.2g
Power Supply	5V1A
Consumption	Maximum 5W
Temperature range	Operating: -10°C to +40°C Storage: -10°C to +60°C
Humidity	Storage: 5% to 90% relative humidity, Operation: 0% to 80%

1.4 Receiver Specification

HDMI out Version	HDMI 2.0/1.4
HDCP Version	HDCP 2.2/1.4
Output Resolution	4096x2160/60fps；4096x2160/30fps；3840x2160/60fps, 3840x2160/30fps 1080p60/30fps
Audio Format	Stereo, 16bits 48KHz
Latency	<100 ms latency (at 60fps)
Security	AES 128-bit encryption mechanism
Wireless Standard	IEEE 802.11ac, 5GHz, 2T2R
Ethernet	10/100/1000 ethernet, support Power over Ethernet (PoE)
Frequency	5150-5350MHz; 5470-5725MHz; 5725-5850MHz; 5850-5925MHz The specific frequency bands utilized are upon the legal regulations by each country
Bandwidth	Support 20MHz, 40MHz, 80Mhz
RTC Battery	1x CR2032; 230mAh
Antennas	3dBi
Distance	Up to 50 meters in a clear line of sight
I/O Ports	1. DC power 2. 1x USB type-A (2.0) 3. Micro-SD card slot 4. 2x USB type-A (3.2) 5. AUX audio out 6. HDMI output 1 (Main HDMI output, up to 4K60) HDMI output 2 (Secondary HDMI output, up to 1080p60) 7. LAN PoE (if using a PoE injector, make sure it’s a regulated model)
Dimensions	160x94x34mm

Weight	230g
Power Supply	5V2A
Power Consumption	Maximum 10W
Temperature range	Operating: -10°C to +40°C Storage: -10°C to +60°C
Humidity	Storage: 5% to 90% relative humidity, Operation: 0% to 80%

1.5 Transmitter Overview



1) USB type-C port (male): Connect video sources, such as laptop, smartphones, and other devices that support USB type-C DP.
2) Button: The detailed button functions are outlined in the table below.

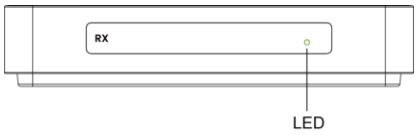
Button Function Definitions	**Description**
Single click	Cast to Main Screen
Double click	Split Screen on Main Screen
Long press (± 3 seconds)	Cast to Second Screen

3) Lanyard hole: Keep the device within reach and reduce the risk of accidental drops or loss.
4) USB type-C port (female): Connect to external power adapter to supply power to video source.
5) LED: The detailed status of the LED is outlined in the table below.

LED indicator	**Description**
Static red	Transmitter is booting on
Flashing red	Searching for receiver
Flashing blue	Waiting for connection
Static blue	Connected and start presenting
Flashing purple	No video input

1.6 Receiver Overview

1) Front view



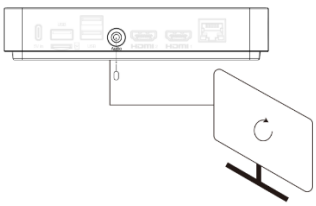
2) LED indicator: the detailed status of the LED is outlined in the table below.

LED indicator of the receiver	Description
Flashing blue	Waiting for connection
Static blue	Connected

3) Back view

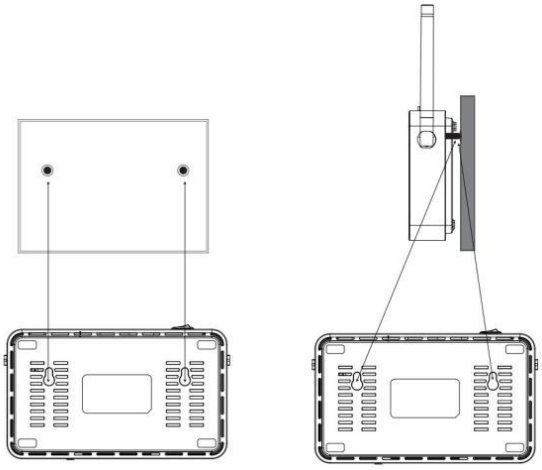
5V DC power (USB type-C): Provides the necessary power supply for the device to operate.
USB type-A (2.0): Allows for connection of peripherals such as keyboards, mice, or flash drives.
Micro-SD card slot: Enables the use of TF cards for additional storage or data transfer.
2x USB type-A (3.2): Supports high-speed data transfer for peripherals and external storage devices.
AUX audio out: Outputs audio signals to external speakers or headphones for sound playback.
HDMI 2: Additional HDMI output for connecting to a second display (up to 1080P60)
HDMI 1: (Main HDMI out): Supports 4K60 resolution
LAN PoE: 10/100/1000 Ethernet, support network connectivity and power supply through a single Ethernet cable using Power over Ethernet (PoE) technology. *(if using a PoE injector, make sure it's a regulated model)*
Reset button: Reset to factory setting*

**The reset button is located inside the AUX audio out port. To use it, insert a thin, long object approximately 2cm into the audio out port for 5 seconds (see illustration).*

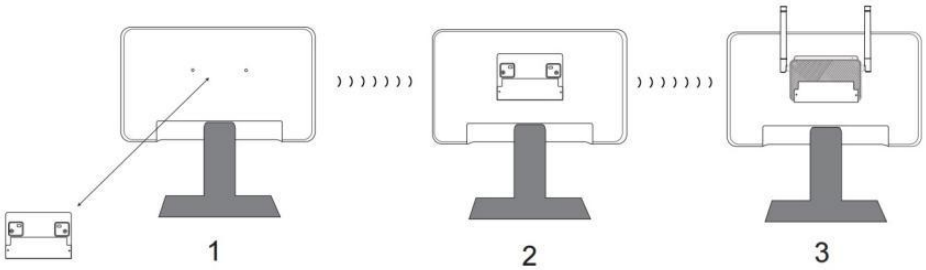


1.7 Installation：

1) Users can place the receiver on a desktop or mount it on a wall using the wall-mount holes on the back of the receiver.



2) Users can also utilize a VESA mount to attach the device securely to the back of the monitor, as illustrated below.



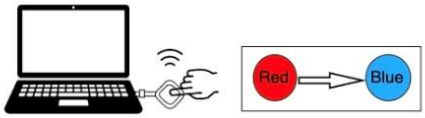
1.8 Pairing a Transmitter and Receiver

Introduction:

A standard Stream 4K Pro set includes a receiver and at least one transmitter, which need to be paired prior to use.

Pairing instructions:

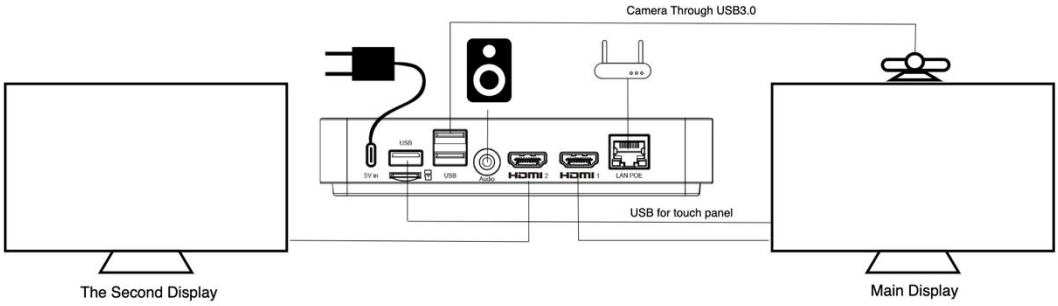
- Connect the receiver to the display and power it on using the provided 5V2A adapter.
- Wait until the receiver's interface appears on the screen.
- Connect the transmitter to the laptop.
- When the transmitter's LED starts flashing red, press and hold the transmitter button for approximately 8 seconds till the LED flash red rapidly, that means the transmitter has entered pairing mode, then release the button at this point.
- The transmitter and receiver will automatically search for each other and pairing. This process typically takes around 20 seconds.
- Once the transmitter's LED flashes blue, pairing is successful, a “Pairing successful” message will appear on the receiver screen. Press the transmitter button to start casting the PC's screen.



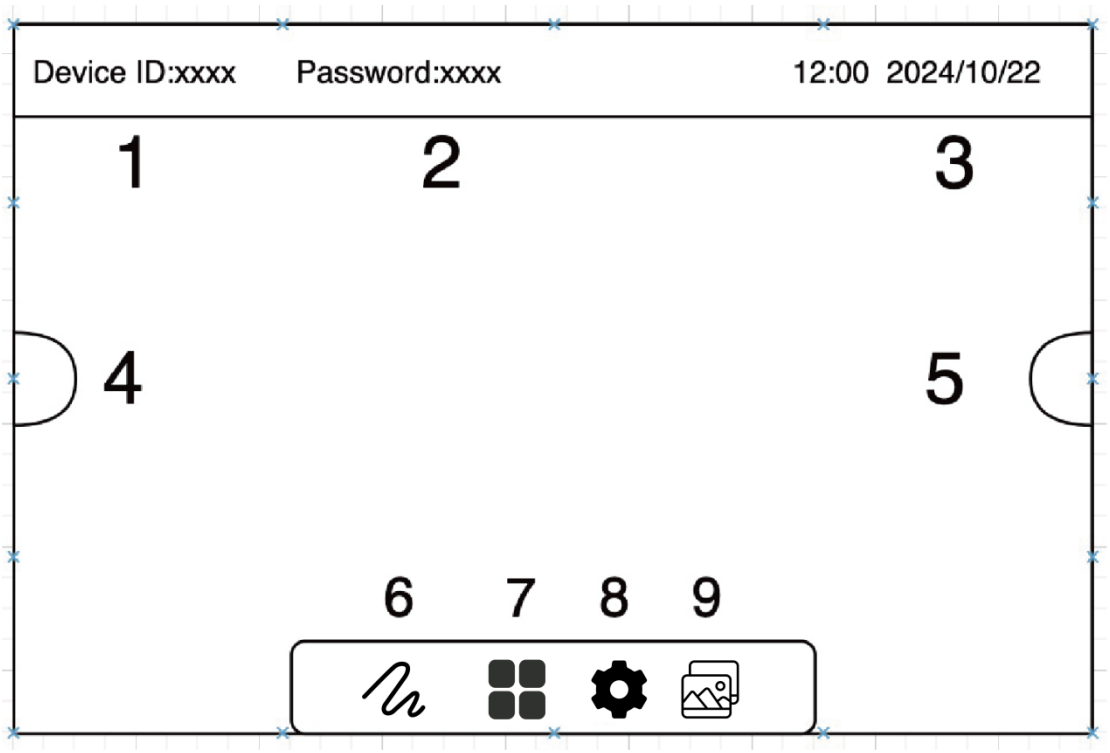
2 Getting Started

2.1 Setting up the Receiver

1) Use the included 5V2A adapter to power the receiver.
2) Connect HDMI 1 of the receiver to the main screen. HDMI 1 supports 4K60 resolution.
3) Connect HDMI 2 of the receiver to the second screen (if available). HDMI 2 supports up to 1080P60 resolution.
4) Connect the RJ45 port to the receiver to connect to a wired network (if available). Please note that the RJ45 port supports Power over Ethernet (PoE).
5) Connect the audio output to external speakers (if available).
6) Connect the Camera to the USB3.2 port. (if available).



2.2 Overview of Receiver Functions



1. Device ID: The name of the receiver

2. Password: The security key required to connect to the Wi-Fi network

3. Date and Time: As discrepancies may impact the functionality of Chromecast casting. Please ensure the device time is synchronized with your local time. Please refer "2.3 Configuring System Date and Time" for detailed information.

4. Shortcut for whiteboard function: A quick access key or icon that allows users to open the whiteboard feature directly.

5. Shortcut for white board function: same as above.

6. Whiteboard & Annotation: A feature that provides tools for drawing, writing, and annotating on the screen, enhancing interactivity and collaboration during discussions, please refer "**2.8 Whiteboard & Annotation setup**" for detailed information.

7. My Apps: Refers to a specific application installed on the device, which may offer additional functionalities or services related to the product

8. Settings: The settings menu allows users to configure and customize various aspects of the device, such as network connections, display preferences, and system options, including:

General setup: Setting the language

Display Grouping setup: Enable group function, please refer "**2.13 Display Grouping Setup" section for detail information.**

Advanced setup: includes below function

- Device ID: please refer to "**2.4 Device ID**" section.
- Picture Size: Adjust the size of the output image to fit the screen appropriately.

- Video Resolution: Adjust the resolution of receiver HDM out.
- Participant Manager: Allowing the host to control the transmitters via the receiver's screen to manage screen casting and disconnection. please refer to "**2.7 Participant Manager**" section for detailed information.
- AirPlay Video Quality: Change the iPhone mirror video quality.
- USB Feedback Mode: to switch transmitter USB to KVM or Camera mode.
- KVM mode: allowing user to control the laptop screen via touch screen of receiver, please refer "**2.7 Touch Panel Back Control Setup**" section for detail information.
- Camera mode: Switching to Camera Mode allows the Receiver to wirelessly transmit connected camera information to the Transmitter and laptop for video conferencing. Please note that the touch functionality is disabled in this mode. Please refer "**2.11 Video Conference for Hybrid Meeting"** section for detailed information.

9. User-customized desktop: A feature that enables users to change the desktop background. Please refer" **2.12 user-customized desktop setup**" section for detailed information.

2.3 Configuring System Date and Time

The receiver built in **RTC (Real-Time Clock) battery** function provides backup power to the real-time clock, ensuring that the device maintains accurate time and date information even when the main power is off or disconnected. This function allows the system to keep track of time independently, supporting operations like timed events, system logs, and scheduled tasks without requiring a time reset after power interruptions.

Discrepancies in the device time may affect Chromecast casting functionality. Please ensure the device time is accurately synchronized with your local time if any differences are detected.

How to Update the Time:

1) Tap on the time display to open the time settings menu. Select the correct time and time zone.
2) Or connect to the internet via RJ45, and the device will automatically update to the correct time.

2.4 Device ID

About Device ID name

The device allows users to customize the Device ID, displayed at the top left corner of the Receiver screen. This feature is useful for identifying different meeting rooms by naming each device accordingly.

How to rename the Device ID:

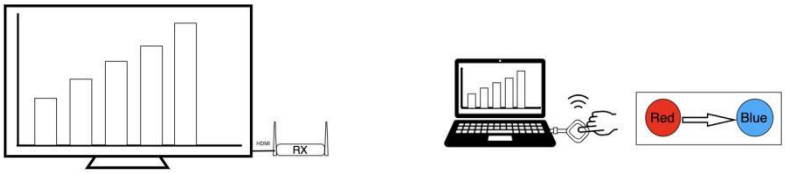
1.Open the settings menu on the receiver.

2.In **Advanced Setup**, enter the new Device ID and confirm.

3.After renaming, re-pair the transmitter and receiver. Refer to “1.8 Pairing a Transmitter and Receiver” for instructions.

2.5 Setting up the transmitter and starting presentations

After the receiver installation, Connect the transmitter’s USB-C connector to the USB type-C port of a laptop, the LED will become red, when the LED light of transmitter become flashing blue, press the button, then the PC screen will transmit to receiver.



If you have one or more transmitters, a short press of the transmitter's button will project the screen of the PC connected to the transmitter onto the display.

The detailed button functions are outlined in the table below.

Button Function Definitions	Description
Single click	Cast to Main Screen
Double click	Split Screen on Main Screen
Long press (± 3 seconds)	Cast to Second Screen

The detailed status of LED is outlined in the table below.

LED indicator	Description
Static red	The system is loading
flashing red	Transmitter is searching for RX
Flashing blue	Waiting for connection
Static blue	Connected and start presenting
Flashing purple	No video input

Note: Ensure that the transmission distance between the Button and the Host is within 50 meters and free of obstacles.

2.6 Extended Desktop Mode Setup

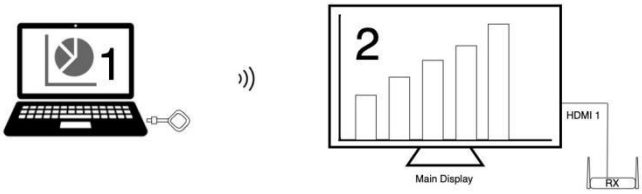
About Extended Desktop Mode:

The extended desktop feature allows you to maximize the utility of both your laptop screen and the large meeting room display. By using this setup, you can keep your presentation notes or other materials on your primary screen, ensuring they remain private and are not visible to the audience. This is particularly useful when you need to take notes or reference additional information while simultaneously sharing different content with the meeting participants. The extended desktop functionality enhances your ability to manage and present information efficiently, providing a seamless and professional experience during meetings.

How to Enable Extended Desktop Mode on the Laptop:

Open the Display settings window of your laptop, you should see both monitors represented as numbered boxes (1 and 2).

- Scroll down to the "Multiple displays" section.
- From the dropdown menu, select "Extend these displays." This option allows you to use both monitors as one extended desktop.



2.7 Participant manager

About Participant manager:

Stream 4K Pro supports Participant manager, allowing the host to control the transmitters via the receiver’s screen to manage screen casting and disconnection.

How to Enable Participant manager:

1. Open the settings interface on the receiver.
2. In Advance Setup, enable the Participant manager option. Once activated, a Participant manager icon will appear on the receiver's screen.
3. Click on the icon using a mouse or touch screen. A list of all transmitters will be displayed.
4. Select the desired transmitter from the list to control screen casting and disconnection functions.

How to rename each transmitter device?

Users can modify the name of the Transmitter in the Receive interface. By enabling the Participant Manager mode, users will be able to view a list of Transmitters. Select and long

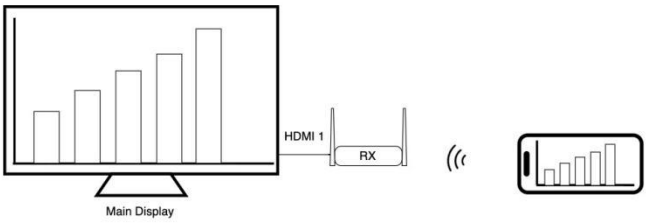
press the Transmitter's icon you wish to rename; a renaming interface will appear. Enter the new name for the Transmitter and confirm to complete the renaming process.

2.8 Wireless Display Setup

About Wireless Display:

Wireless Display is an excellent alternative to the wired connection, allowing people to easily stream content from their mobile devices to the TV without additional cables or adapters between video sources to display. Whether you're looking to stream your favorite movie or TV show, play video games, or listen to music from your phone, tablet, or laptop, the wireless display technology makes it simple and convenient to enjoy everything in one place.

Stream 4K Pro supports the main wireless display technology, such as Apple's AirPlay, Wi-Fi Alliance's Miracast, and DLNA.



Note: only the main screen supports wireless display, the second display doesn't support it.

AirPlay

AirPlay is a technology developed by Apple Inc., which allows users to wirelessly stream media from their iOS device or computer to an Apple TV, speaker system, or another compatible receiver within the same local Wi-Fi network. Stream 4K Pro supports AirPlay mirroring for a wide range of Apple devices, ensuring seamless integration and a superior user experience. The supported devices include iPhone; MacBook, iPads

How to use AirPlay

Step 1: Connect your iOS device to the Receiver SSID, which is displayed in the upper corner of the screen.

Note: If the receiver is already connected to your office network and your iOS device is on the same network, you do not need to connect to the receiver SSID.

Step 2: Open the AirPlay function on your iOS device and select the receiver SSID from the list. Your screen will then stream to the receiver

Note:

1) If you are using an older iOS device, you can improve AirPlay performance by adjusting the video quality settings. Navigate to Settings > Advanced Setup > iPhone Video Quality and select Low. This adjustment can enhance the smoothness of your AirPlay experience.
2) When connecting an iOS device to the RX, if the receiver is not connected to the internet, the iOS device will also be unable to access the internet. To ensure the iOS device can access the internet, the receiver must be connected to the network by connecting it to the meeting room's router via an Ethernet cable in advance.

Miracast:
Miracast is an industry wireless display technology established by the Wi-Fi alliance, which allows you to share your screen content on devices like tablets, smartphones, laptops, PCs, TVs, set-top boxes, gaming consoles, smart watches, etc.

Stream 4K Pro supports Miracast mirroring for a wide range of devices, ensuring seamless integration and a superior user experience. The supported devices include Android phone, Android tablet, or some Windows PC's that support Miracast.

How to Use Miracast with Stream 4K Pro:
Step 1: Ensure Wi-Fi is enabled on your Android device.
Note: Miracast uses P2P technology, so there is no need to connect your Android device to the receiver's SSID. Simply ensure Wi-Fi is turned on.

Step 2: Activate the Miracast function on your device, search for the receiver's SSID, and initiate streaming

Note: The Miracast feature may be labeled differently on various brands, such as Wi-Fi Display, WLAN Display, Wireless Display, AllShare Display, or AllShare Cast.

Additional Information:
- Some devices may experience compatibility issues with Miracast. If streaming is unsuccessful, try multiple attempts.
- Ensure your Android device is running version 5.0 or above.

DLNA:

DLNA (Digital Living Network Alliance) is a set of interoperability guidelines that enable various multimedia devices to communicate and share digital media content with each other over a home network. Established by a consortium of consumer electronics manufacturers, DLNA aims to simplify the process of sharing and streaming media such as videos, music, and photos between devices such as TVs, smartphones, tablets, computers, and gaming consoles.

How to use DLNA with Stream 4K Pro
Step 1: Ensure the receiver is connected to the internet via a wired RJ45 cable or a wireless connection to your office Wi-Fi. If the receiver is not connected, please refer to the instructions on how to establish an internet connection.
Step 2: Activate the DLNA function on your device, select the receiver's SSID from the available devices list, and initiate streaming.

2.9 Four Screens Split Setup

About Four Screens Split

The multi-screen split mode allows up to four laptop or smartphone screens to be projected onto a single display in a split-screen format. This enables users to compare multiple PC contents on the same screen, enhancing team collaboration and increasing meeting efficiency.

How to enable four screens split function

If you have multiple transmitters, double-clicking the transmitter's button will activate split-screen mode. In split-screen mode, the screens of the PCs connected to multiple transmitters will be displayed in a divided view on the RX monitor. In the multi-screen mode, if you use iOS devices, please ensure that your iOS devices and receiver are connected in the same subnet, click the AirPlay, multiple screens can be cast and split to the large display automatically.

Note:

Only the main display support screen split function, the second display don’t support screen split.

The Android devices used Miracast protocol may not support screen split function.

2.10 Touch Panel Back Control Setup

About touch back control:

Stream 4K Pro supports touch panel back control function when connecting with the touch panel, user can touch the big screen to control the PC easily. eliminating the need for a mouse or clicker. You can manage data with your finger or a specified stylus, ensuring that technical limitations no longer disrupt your meeting flow. With a simple tap, you can switch slides, open presentations, share emails, or start videos. You can also access blackboarding or annotation functionalities with ease.

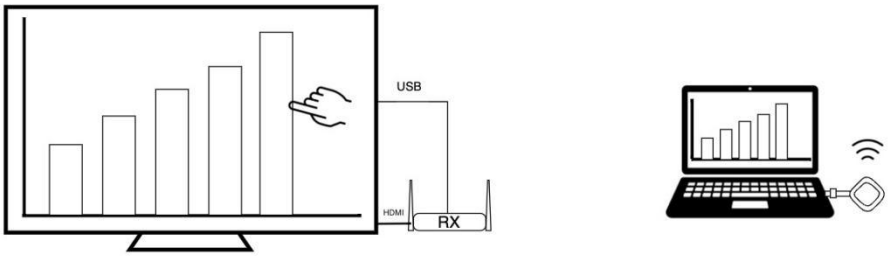
How to use touch back control

Step 1: Connect the receiver to the display with a touch panel and attach the USB cable (for touch functionality) between the receiver and the display.

Step 2: Navigate to **Settings > Advanced Settings** and set **Touch Control** to **On**.

Step 3: Connect the transmitter to the PC using a USB type-C cable.

Step 4: Click the touch panel to control the PC.



Note: Stream 4K Pro supports two modes: **mouse** and **camera** mode. If you require touch back control, go to **Settings > Advanced Settings** and select **mouse** function.

2.11 Whiteboard & Annotation Setup

About Whiteboard & Annotation function

The whiteboard mode provides users with the ability to write and draw freely on a touchscreen, significantly enhancing productivity. This feature transforms the screen into a dynamic canvas, allowing for spontaneous brainstorming, idea mapping, and visual communication. By facilitating real-time annotations and illustrations, it supports more interactive and engaging presentations, making it an invaluable tool for collaborative environments and creative sessions. The Stream 4K Pro supports instant editing, drawing and writing on the big screen with touch panel.

How to use Whiteboard & Annotation function

Step 1: Click the White board icon from the mainstream 4K Pro receiver on the main page to enter the white board function.

Step 2: You will find whiteboard function at the left side of the main menu, click the pen icon to enter to white board mode, now you can write, draw, edit on the display.

2.12 User-Customized Desktop Setup

About User-Customized Desktop

The meeting system offers users the flexibility to customize their desktop, allowing you to easily replace the default background with your preferred image, to meet individual preferences and workflow needs. By allowing personalization, the system supports a more intuitive user experience.

How to customize the desktop:

To change the desktop image, follow these steps:

1). Save the desired images to a USB drive or TF card.

2). Insert the USB drive or TF card into the receiver.

3). Click on the in the taskbar and select the scan option.

4). The receiver will display all images from the USB drive or TF card on the screen.

5). Select the image you wish to use and click the button. This will download the selected images to the receiver.

6). Click on the icon to view all downloaded images in the folder.

7). Choose your preferred image, and it will automatically be set as the desktop background. You can also delete the image or press the reset button to restore the default background settings.

2.13 Dual screen Setup Guide

About dual screen mode

The receiver's dual-screen mode supports both dual-screen extended display and dual-Screen Mirroring Mode.

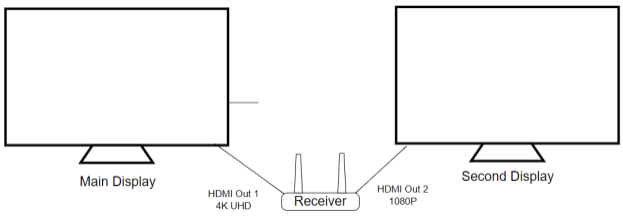
- Dual-screen Extended Mode: Two screens display different content.
- Dual-screen Mirroring Mode: Two screens display the same content.

How to set dual screen mode

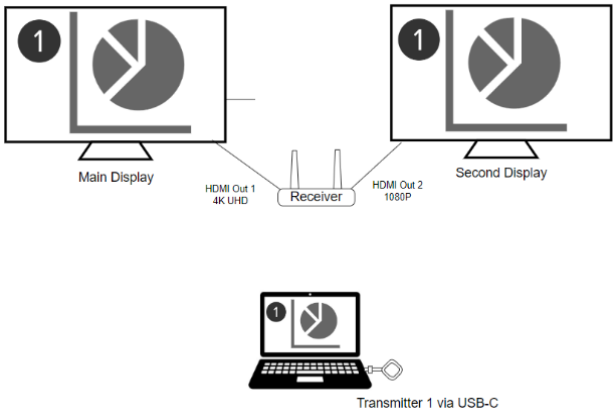
Button Function Definitions	Description
Single click	Cast to Main Screen
Double click	Split Screen on Main Screen
Long press (3 seconds)	Cast to Second Screen

Stream 4K Pro supports both dual-screen extended and dual-screen mirrored modes. By default, the RX unit outputs in dual-screen mirrored mode. Users can switch to dual screen extended mode using the TX unit's button.

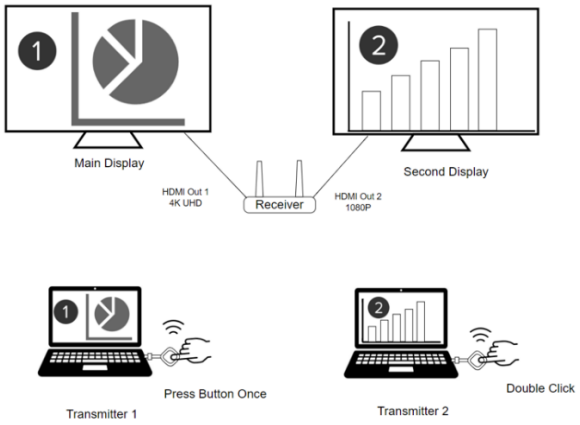
Step 1: Connect the receiver's HDMI 1 port to the primary screen. HDMI 1 supports a resolution of up to 4K at 60Hz. Connect the receiver's HDMI 2 port to the secondary screen (if available). HDMI 2 supports a maximum resolution of 1080P at 60Hz.



Step 2: Connect TX1 to PC1. Short press the TX1 button to enter the default dual-screen mirrored mode, where PC1's screen will be displayed on both the primary and secondary screens.

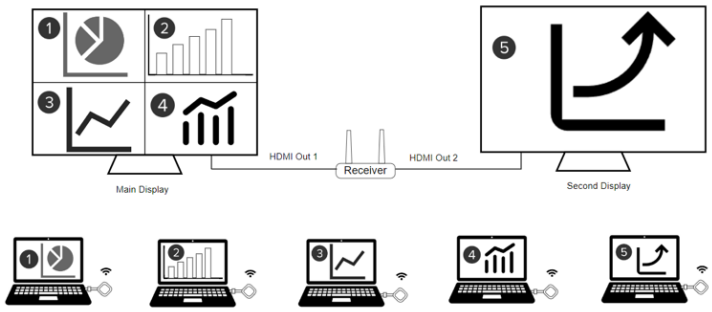


Step 3: Connect TX2 to PC2. Long-press the TX2 button to transmit PC2's screen to the secondary display.



Note:

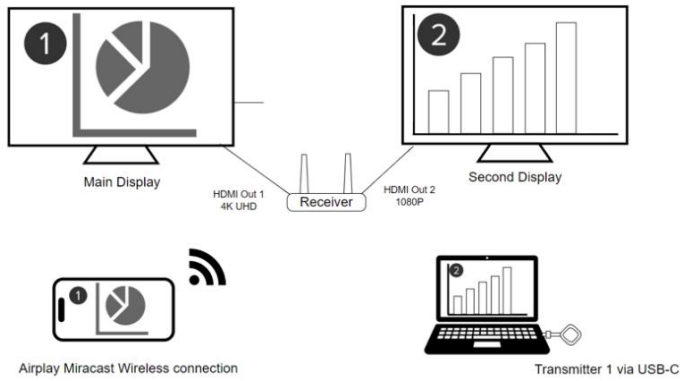
1) If you have multiple TX units, you can choose to split the main screen among 1 to 4 TX units and select one TX unit to cast to a secondary screen.



2) If you have one transmitter and one mobile phone or tablet, we can support **Dual screen extended display, in this way, since** the secondary screen does not support screen splitting or mobile device casting, so the transmitter must cast to the second display.

Step1: Long-press the transmitter button, the content will automatically cast to the secondary screen.

Step2: Cast the iPhone or tablet screen to the main screen by AirPlay/Miracast/Chromecast/DLNA.



2.14 Video Conference for Hybrid Meeting

About hybrid meeting of Stream 4K Pro

Stream 4K Pro is a wireless presentation system that seamlessly integrates with third-party video conferencing applications such as Zoom and Teams, enabling remote participants to view and interact with content broadcasted in the conference room via Stream 4K Pro.

With support for dual-screen mode, Stream 4K Pro allows video layouts and shared content to be displayed on two separate display or screens. Users can view the gallery or speaker view on one screen while displaying shared content on the other. This is particularly useful for PowerPoint presentations, as it allows presenters to conceal their notes from participants.

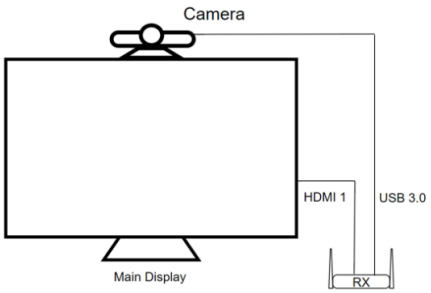
Stream 4K Pro achieves this functionality wirelessly, and it also plug and play, with no need for any software installation, providing a streamlined and efficient solution for modern conferencing needs.

Users can easily use video conference function when the receiver connects to a single display or dual display.

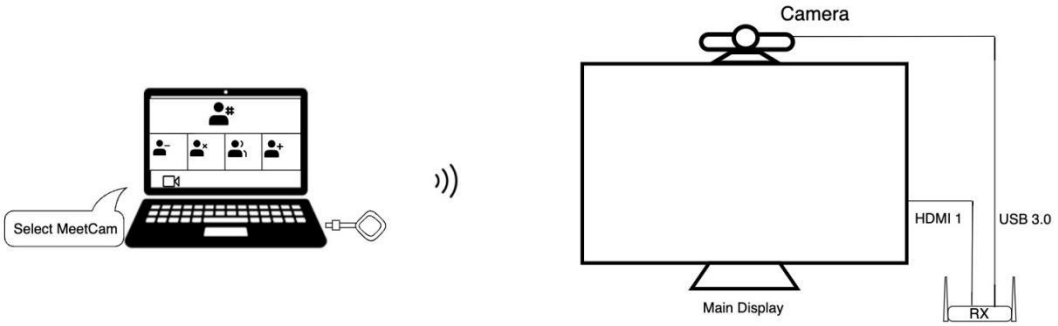
1) Video conference in Single Display

Using one transmitter

Step 1: Setup the receiver, connect the receiver to the main display, attach the conference camera to the receiver's USB 3.2 port. Go to **Settings > Advanced Settings > USB Feedback Mode** and select **camera**.

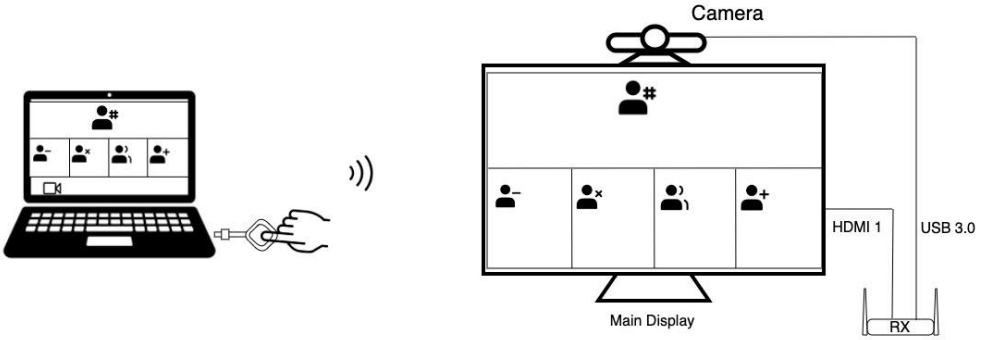


Step 2: Connect the Transmitter to the laptop, launch your video conferencing software (e.g., Zoom, Teams) on the laptop, select the conference camera（camera name: Meetcam） as the video input in the software. You should see the camera feed displayed within the software and join the meeting.

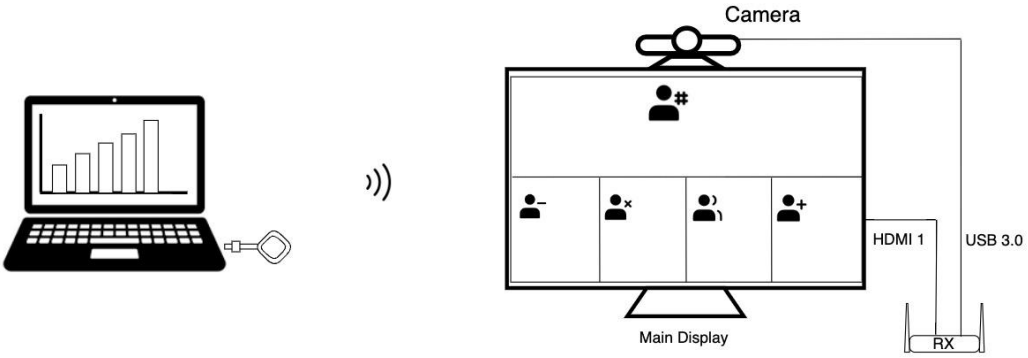


- Note: If the conference camera has a microphone, you can choose to use it in the video conferencing software. Alternatively, you can continue using the PC's microphone based on your preference.

Step 3: Press the transmitter button to send the video conference feed back to the receiver, displaying it on the screen.



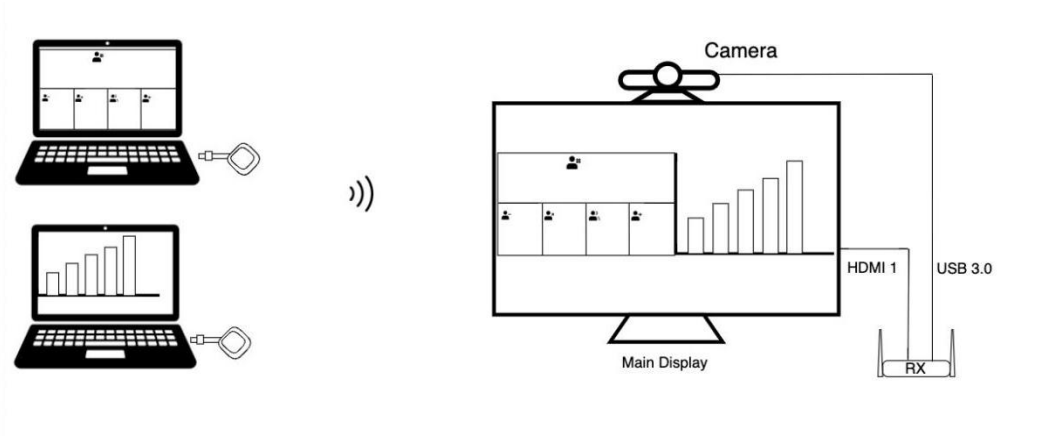
You can utilize the extended desktop function to display your presentation notes or other materials on your laptop screen, ensuring they remain private and hidden from the audience. Meanwhile, the presentation content will be displayed on the external screen.



2) Using two Transmitters

If you have two transmitters, then you display both camera layout and shared content

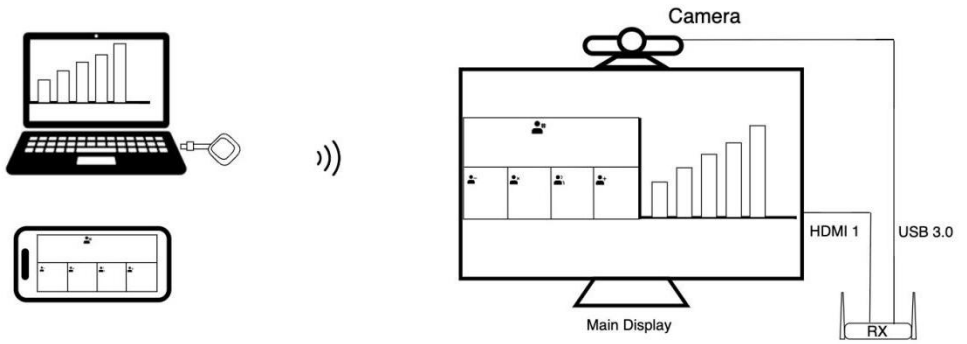
on one display by using screen split function.
Step 1: same as above.
Step 4: Connect Transmitter 1 to PC 1 and Transmitter 2 to PC 2. Launch Zoom on both PCs and select the conference camera as the video input in the software on each PC. You should see the camera feed displayed within the software and be able to join the meeting. On PC 1 and PC 2, choose one PC to display the video layout and the other to display the shared content. Then, long press the button on either transmitter to cast both PC screens onto a single monitor in split-screen mode.



Method 3: Using One Transmitter and a Mobile devices

If you have one transmitter and one mobile device, connect the Transmitter to a PC, launch Zoom on PC and select the conference camera as the video input in the software on the PC. You should see the camera feed displayed within the software and be able to join the meeting.

Join the same Zoom meeting on your mobile phone, on the PC and mobile phone, choose one device to display the video layout and the other to display the shared content. Double-click the button on the transmitter to cast PC screens onto a single monitor in split-screen mode, then cast your mobile device's screen to the same monitor by using AirPlay or Chromecast.



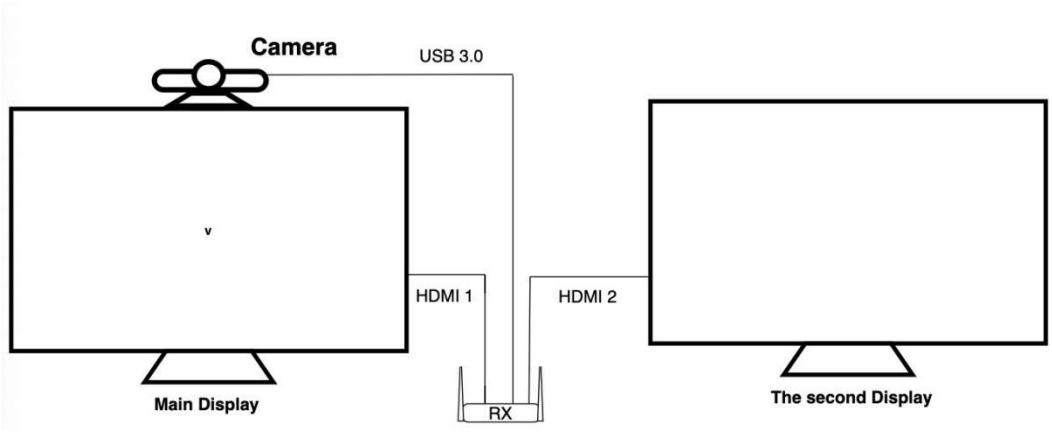
Notes:
1. Users can opt to use the screen extension mode for video conferencing.
2. Touchback control is not supported in video conference mode.
3. If the conference camera has a microphone, you can choose to use it in the video conferencing software. Alternatively, you can continue using the PC's microphone based on your preference.

3) Video Conference in Dual Display

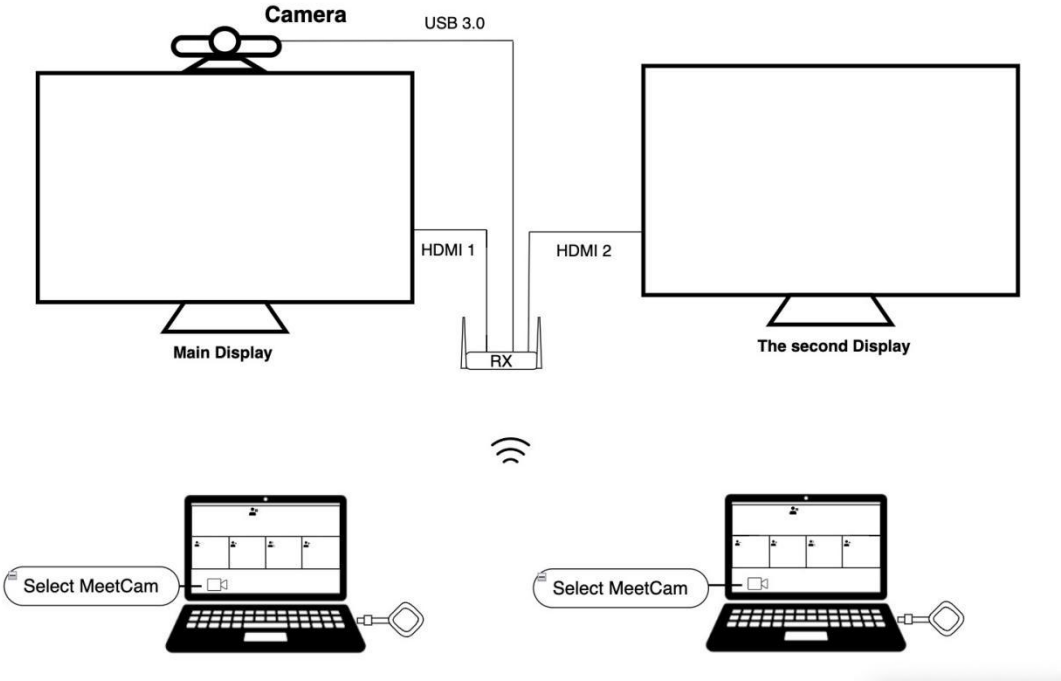
This feature allows video layouts and shared content to be displayed on two separate displays. Users can view the gallery or speaker view on one screen and shared content on the other, which is particularly useful for PPT presentations and concealing notes from participants and can greatly improve the meeting efficiency.

Method 1: Using Two Transmitters

Step 1: Setup the receiver, connect the receiver to the main display and second display, attach the conference camera to the receiver's USB 3.2 port. Go to **Settings > Advanced Settings > USB Feedback Mode** and select **camera**.



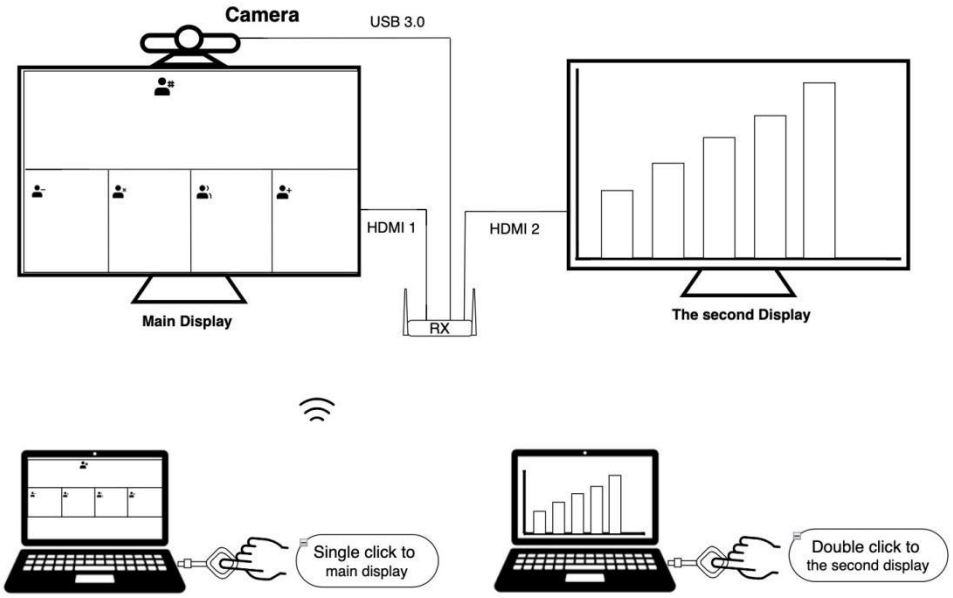
Step 2: Connect Transmitter 1 to laptop 1 and Transmitter 2 to laptop 2, launch your video conferencing software (e.g., Zoom, Teams) on both laptops, select the conference camera （camera name: Meetcam) as the video input in the software. You should see the camera feed displayed within the software on both laptops and join the meeting.



Note: If the conference camera has a microphone, you can choose to use it in the video conferencing software. Alternatively, you can continue using the PC's microphone based on your preference.

Step 3: Configure Display Outputs:

- On PC 1 and PC 2, choose one PC to display the video layout and the other to display the shared content.
- Short press one transmitter to cast the feed to the primary screen.
- Double-click the other transmitter to cast the feed to the secondary screen.


Camera
USB 3.0
HDMI 1
HDMI 2
RX
Main Display
The second Display
Single click to
main display
Double click to
the second display

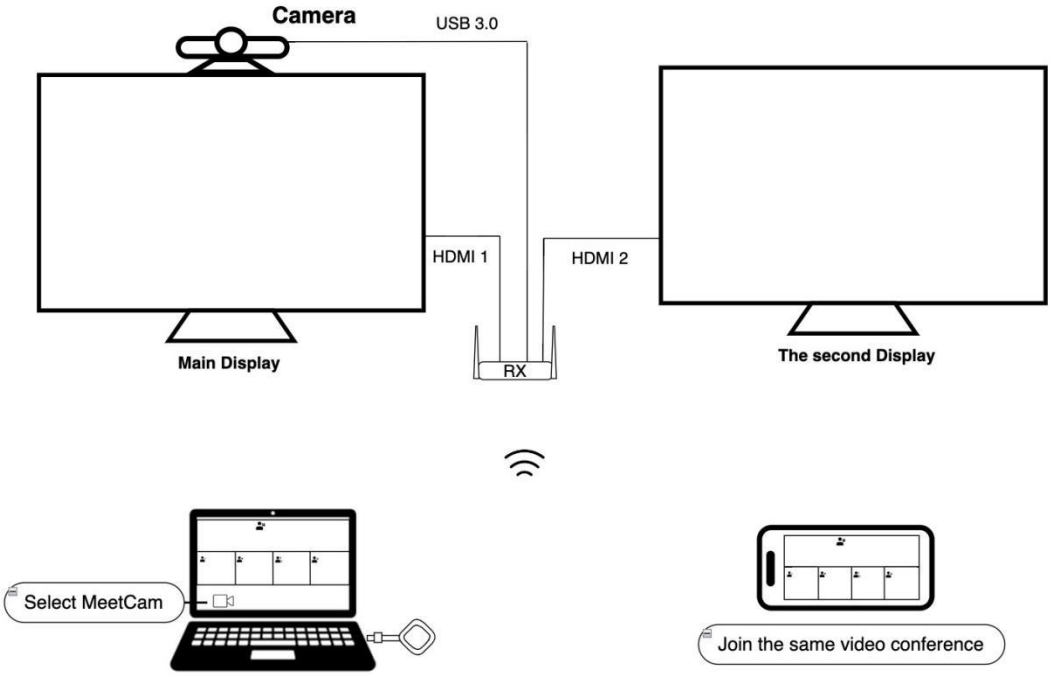
Method 2: Using One Transmitter and One Mobile Device

With one transmitter and one mobile device, such as smart phone or tablet, we can also allow video layouts and shared content to be displayed on two separate displays.

Step 1: the same as above

Step 2: Connect Transmitter to laptop, launch your video conferencing software (e.g., Zoom, Teams) on both laptops, select the conference camera （camera name: Meetcam） as the video input in the software. You should see the camera feed displayed within the software on both laptops and join the meeting.

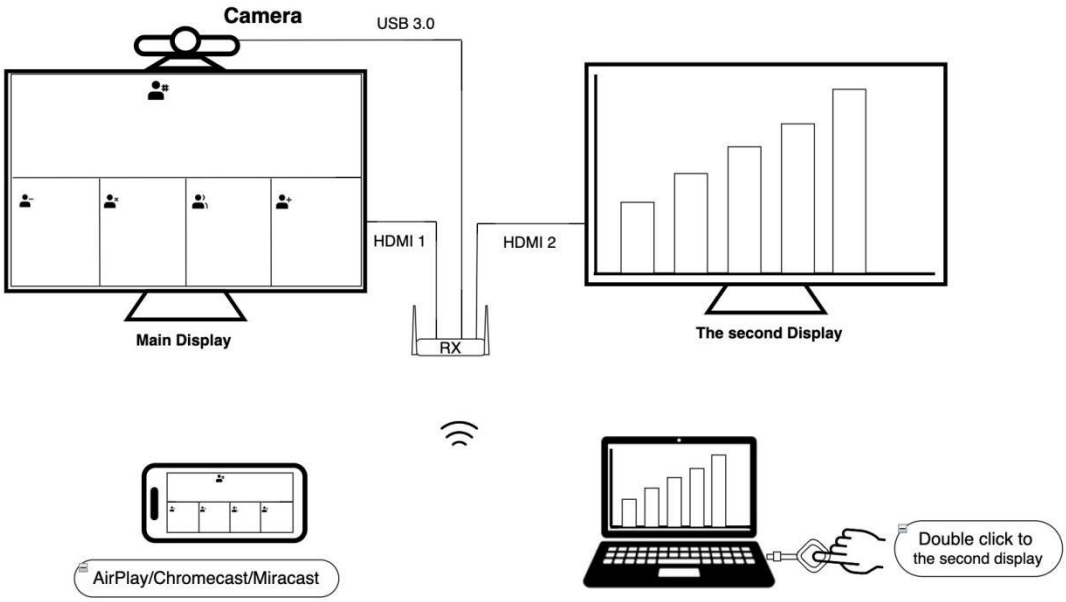
Step 3: Join the same video conference meeting on your mobile phone or tablet.



- Note: If the conference camera has a microphone, you can choose to use it in the video conferencing software. Alternatively, you can continue using the PC's microphone based on your preference.

Method 3: Configure Display Outputs

- On the PC and mobile phone, choose one device to display the video layout and the other to display the shared content.
- Long-press the transmitter to cast the feed to the second screen.
- Cast the mobile phone content to the main display by AirPlay/Miracast/Chromecast.



Note: In this mode, since the mobile phone can only cast to main display, the transmitter can only cast to second screen.

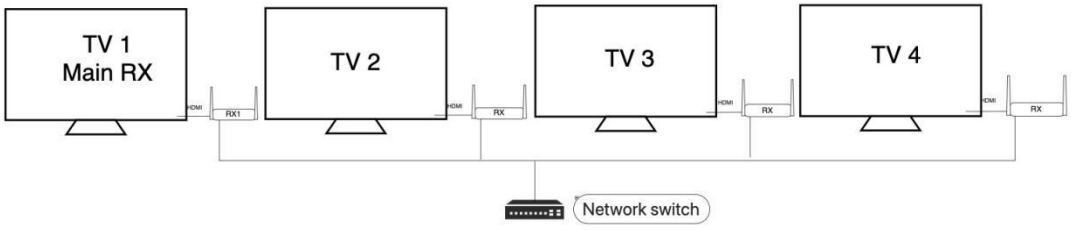
2.15 Display Grouping

About Display Grouping

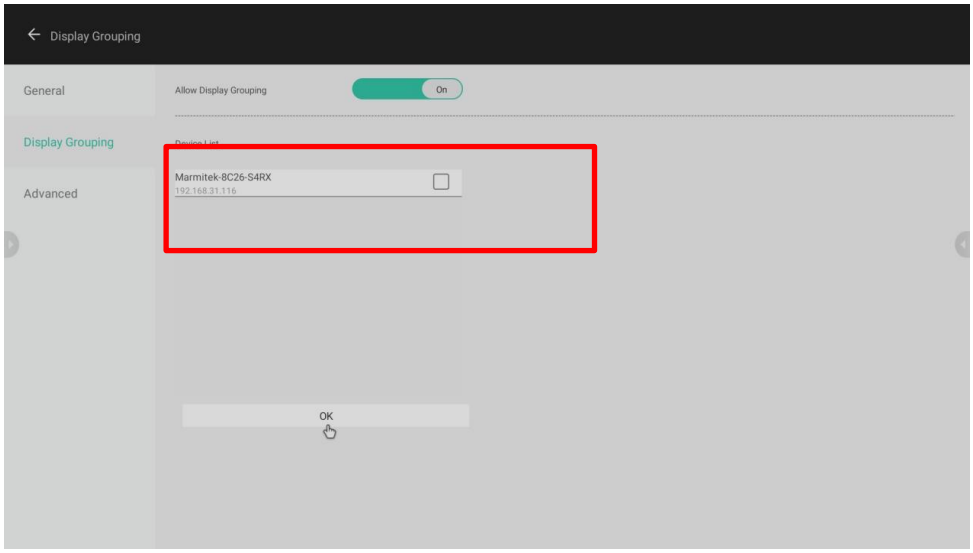
The Display Grouping function allows for video transmission from a single transmitter to be simultaneously addressed to multiple receivers. This feature is particularly convenient for users who need to display content across multiple screens at once. Whether you're conducting a large meeting, presenting in a conference room, or sharing multimedia in a collaborative workspace, Group Mode ensures that all participants can view the same content in real-time, enhancing communication and collaboration. This capability makes it an ideal solution for environments that require synchronized display across several devices.

How to Enable Display Grouping

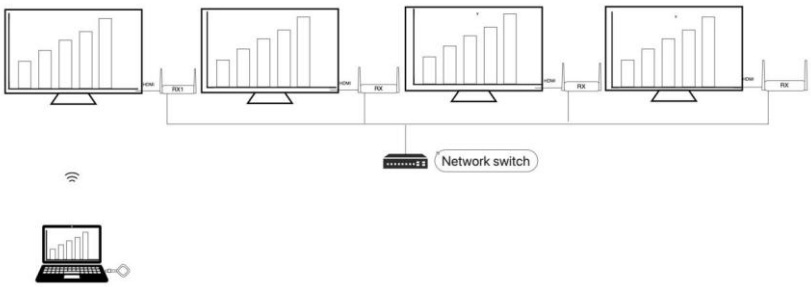
Step 1: Connect different receivers with a network switch to make sure the different receivers are in the same subnet.



Step 2: Please navigate to the settings on the main receiver (RX) and enable the Display Group feature. Once activated, all receivers within the same subnet will appear in the Device List. Select the receivers you wish to include in the display group and confirm your selection. The screen content will then be streamed from the main receiver to the selected receivers.



Step 3: Connect the transmitter, which is already paired with the main receiver, to your laptop. Press the button on the transmitter, and the laptop's screen will be streamed to all connected displays



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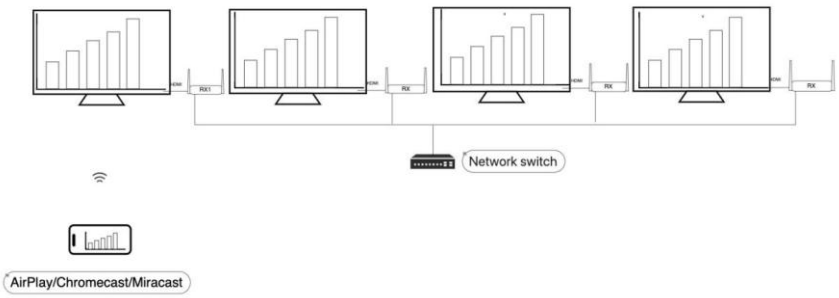
Note

You can also stream content from your mobile devices to the main receiver using AirPlay, Miracast, or Chromecast. The screen of your mobile device will then be streamed to all connected displays.



2.16 Media Player Function

About Media Player Function

The receiver is equipped with a professional-grade media player that supports the latest H.265 decoding, enabling users to play 4K60 high-definition videos or high-quality audio seamlessly.

How to use the Media Player Function

To utilize the receiver for video playback, follow these steps: Transfer the desired video or audio files to a USB drive or TF card and insert it into the receiver. Click on the app icon in the receiver's taskbar, select the media player, and open the contents of the USB drive or TF card to begin playback. Alternatively, users can copy the files from the USB drive or TF card to the receiver before playing them.

3.FAQ:

1. The transmitter keeps flashing red.

Please follow these steps to troubleshoot the issue:

1. Verify that the RX is powered on and displaying the main interface.
2. If the RX is on and the TX indicator has been flashing red for more than three minutes, it indicates that the devices are not paired. Please refer to section 1.8, "Pairing a Transmitter and Receiver," in the manual to re-establish pairing.

2. Touch back control is not working

1). Please connect the original touch-enabled USB cable from the touchscreen to the USB 2.0 port on the receiver.

2). Make sure you already enable “mouse” on, Stream 4K Pro supports two modes: mouse and camera mode. If you require touch back control, go to Settings > Advanced Settings and select mouse function. Please refer to section 2.7 Touch Panel Back Control Setup for detailed information.

If the issue persists after following these steps, there may be a compatibility problem with the touchscreen. In such cases, please contact our customer support to report the issue.

3. Video conferences are not working

Please follow these steps to troubleshoot the issue:

1.Stream 4K Pro only supports camera support MPEG format. Generally speaking, cameras often support both MPEG format and YUV (raw data) format. MPEG is commonly used for compressed video files, which makes it suitable for efficient storage and streaming. YUV, on the other hand, is a color space format that represents raw image data, often used in video processing and broadcasting for its high-quality color representation. However, the specific formats supported can vary depending on the camera model and manufacturer, so it's always best to check the specifications of the particular camera you are using.

2. If the camera supports MPEG format, please make sure you connect the camera to the USB 3.2 port of the receiver successfully.

3. Setup the receiver

Connect the receiver to the main display, attach the conference camera to the receiver's USB 3.2 port. Go to Settings > Advanced Settings and select camera mode (USB UVC). Please refer to section 2.11 Video Conference for Hybrid Meeting.

4. Video stuttering when plays video

Stream 4K Pro supports 5.8G Wi-Fi transmission and incorporates our unique anti-interference technology, allowing it to function smoothly up to 50 meters in typical environments. However, in areas with high interference, the transmission range may be significantly reduced.

1). Ensure that both the transmitter and receiver are used within the same space, maintaining a distance of no more than 50 meters, with no walls or other obstacles in between. Also, verify that the receiver's antenna is extended.

2). Too much distance or obstacle between transmitter and receiver. Try using shorter distances.

3). Restart both the TX and RX devices. Upon reboot, the TX and RX will automatically seek the best channel to connect under interference conditions.

5. I do have picture, but no (or bad) sound

The Stream 4K Pro supports up to 2CH PCM stereo.
check the audio setting in the settings menu of the connected HDMI source and manually set it to 2CH PCM stereo when the automatic setting does not work.

6. Chromecast function is not working.

Please ensure the device time matches your local time. If there is a discrepancy, tap on the time to set the correct time and time zone, or connect to the internet via RJ45, and the device will automatically update to the correct time.