



iF Design 614422 4k Wireless Conferencing System User Guide

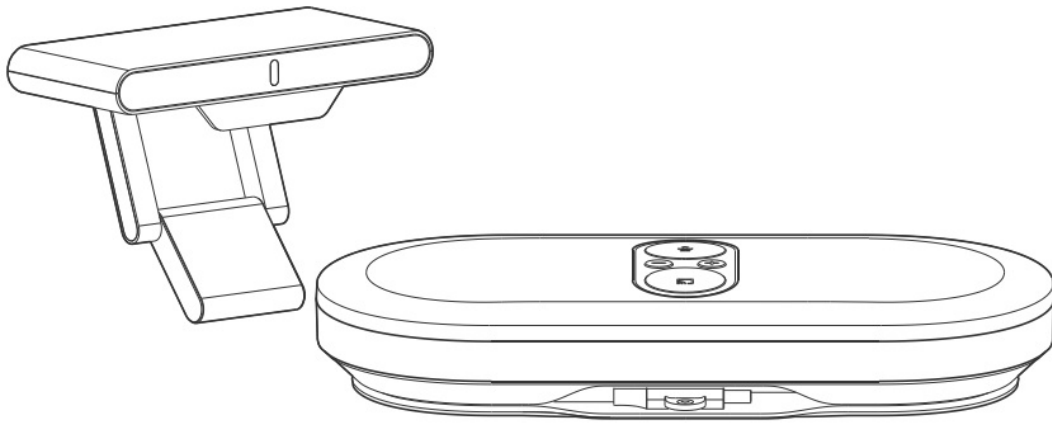
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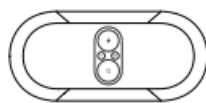
iF Design 614422 4k Wireless Conferencing System



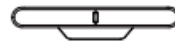
PRODUCT INTRODUCTION

- Connect is an all-in-one wireless conferencing system designed to simplify your meetings. With full BYOD support, it allows you to effortlessly connect your laptop to the speakerphone using a single cable. Enjoy 4K wireless screen casting, access to conference camera streaming in 1080P, and the convenience of plug-and-play functionality without the need for software or drivers.
- Connect streamlines your conferencing experience, eliminates cable clutter, and ensures secure and efficient collaboration.

WHAT'S IN THE BOX



Speakerphone
(M1S)



Receiver
(R1C)



Power Cable
(Type C-C)



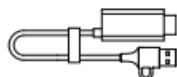
Switch Cable
(Type C-A)



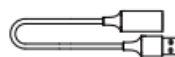
HDMI Cable



Quick
Start Guide



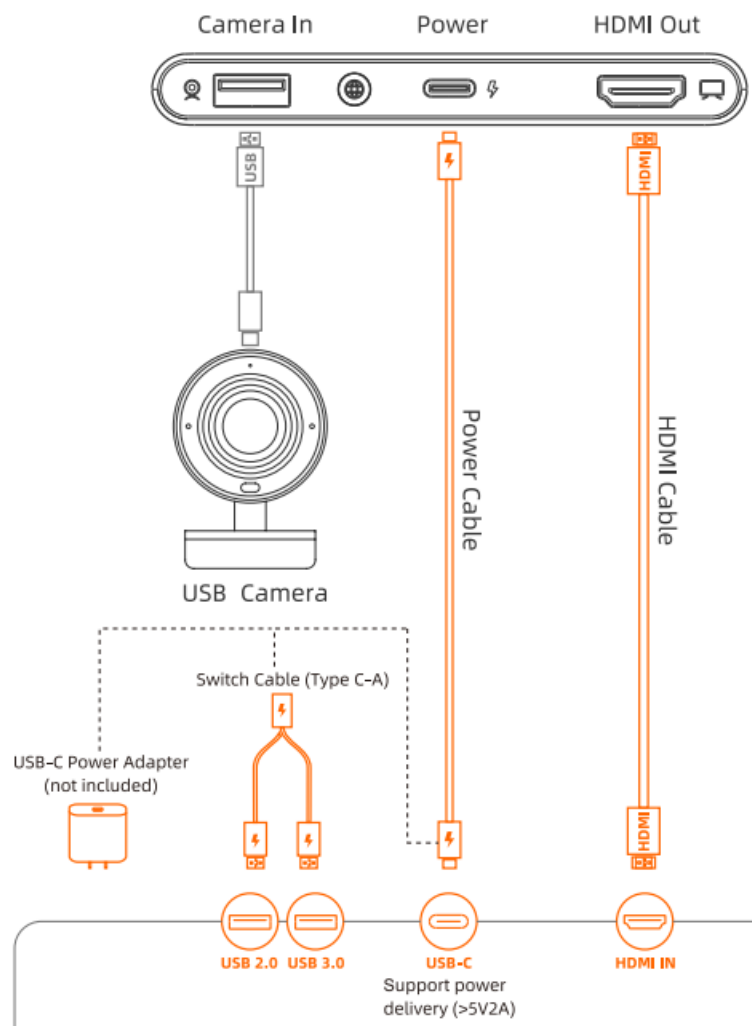
USB-C to HDMI &
USB-A Adapter



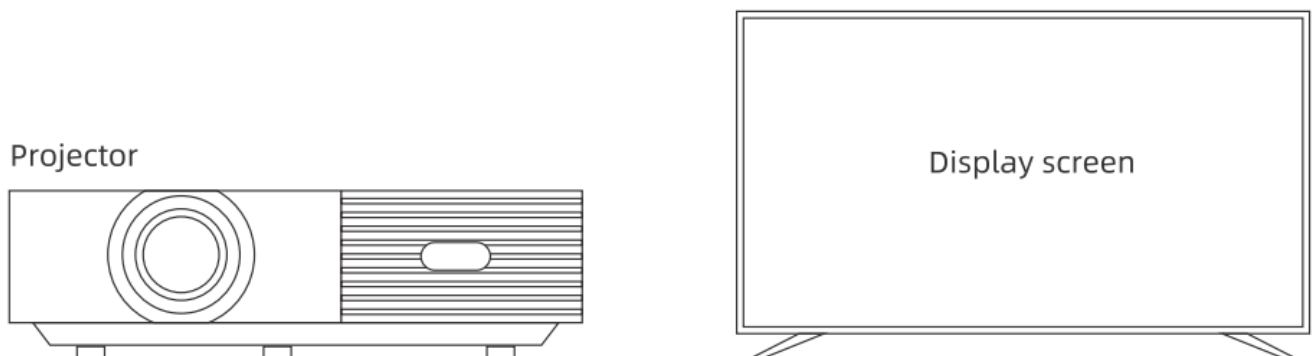
USB 3.0
Extension Cable

HOW TO START

1. Connect the R1 C receiver to the display using the power cable and HDMI cable. If the display does not have a Type-C port to support power more than 5V /2A, use the included switch cable to convert it into two USB-A connectors. One of the USB-A connectors should be USB3.0, which can supply power for the receiver. Alternatively, you can connect the Type-C cable to a power adapter.
2. To connect a USB webcam, plug the camera's USB cable into the USB-A port on the receiver.



Wireless Conferencing Casting and Speakerphone can be used in projectors, diaplay screens and other equipment



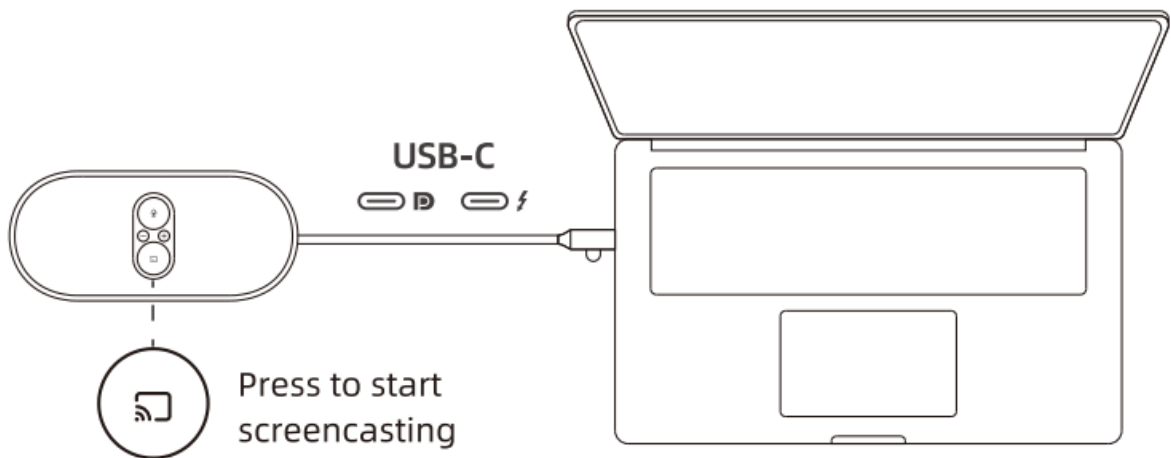
3. Mount the receiver R1 Con the display using the built-in mounting clip. Ensure that the receiver is positioned towards the front side for optimal wireless signal transmission. The optimal wireless transmission range is within 5 meters.



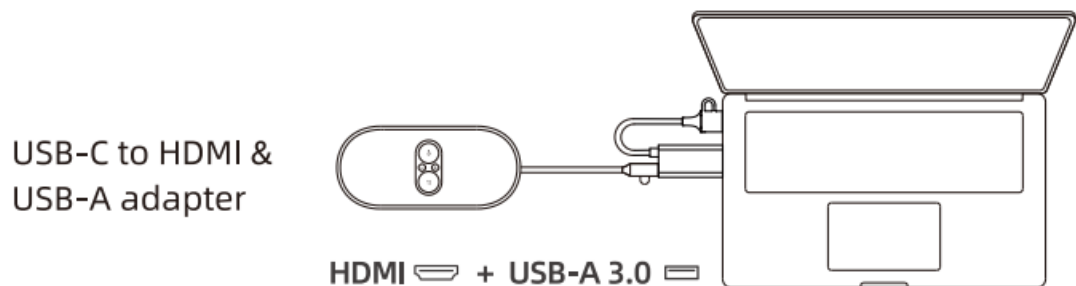
4. Switch the display output source to the connected HDMI port.



5. Connect the speakerphone M1s to a full-featured Type-c port on your laptop. Wait until the screencasting button light turns green, then press the button to start casting your screen. Press the button again to pause screencasting.

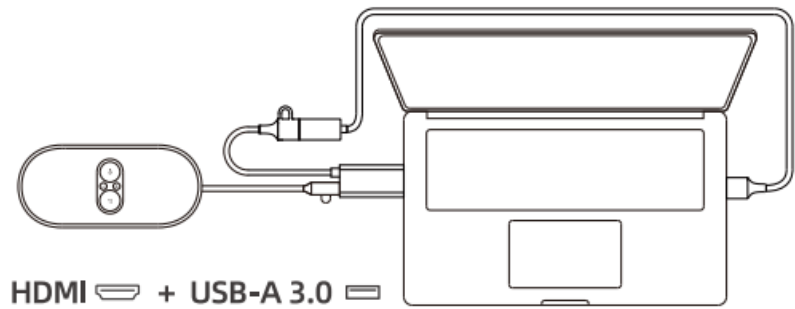


- In the case where the laptop's type C port does not meet the full feature requirement, use the USB-C to HDMI & USB-A adapter instead.

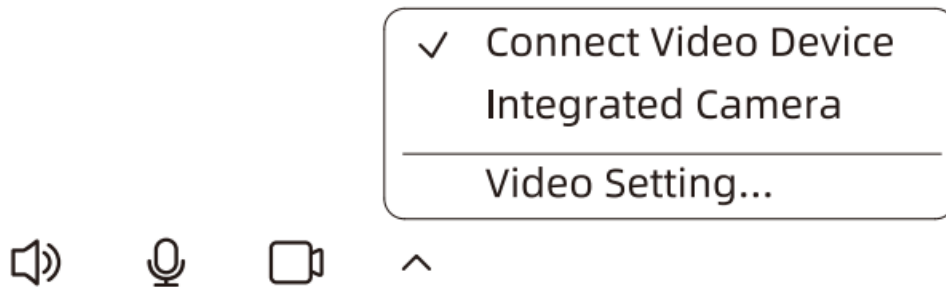


- Use the USB 3.0 extension cable if the laptop's USB 3.0 port is not nearby the HDMI port.

USB-C to HDMI &
USB-A adapter
+
USB 3.0
Extension cable



6. To use the speakerphone MIS and access the camera wirelessly, in your video conference software, select “Connect Video Device” as your microphone, speaker, and camera.



“Connect Video Device” option is only available in the camera device list when a camera is connected to the receiver.

SPECIFICATIONS

Microphone

Built-in Microphone	8 MEMS Microphone for 360-degree pickup
Pick-up Distance	4m
Signal/Noise Ratio (SNR)	94dB SPL@1 KHz 65dB(A)
Sensitivity	94dB SPL@1 KHz -37±1dB FS
Acoustic Overload Point	132.SdB FS, 10%THD@1KHz
Frequency	20Hz – 8000Hz
Duplex	V
Beamforming	V
Automatic Noise Suppression	V
Acoustic Echo Cancellation	v
Automatic Gain Control	v

Speaker

Speaker	4O3W
Speaker Size	50mm
Sensitivity	1KHz 83dB + 3dB @1m @3W
Signal/Noise Ratio (SNR)	50dB
Frequency Range	200Hz~20KHz
Max. Sound Pressure Level	88dB SPL @1m @3W
Background Noise	<30dB
Total Harmonic Distortion	200Hz ~ 10KHz MAX 5%

Wi-Fi

protocol	802.11 a/n/ac
Wireless Transmission Protocol	Quick UDP Internet Connections
Transmission Distance	Up to 10M
Frequency bands and the maximum transmitted power (For EU)	5180-5320MHz (Wi-Fi 5GHz) , Max 23dBm 5500-5700MHz (Wi-Fi 5GHz) , Max 23dBm (Support TPC)
RF Software Version:	3.0.1
RF Hardware Version:	1.0.0

Camera Streaming

Max. Output Resolution	1920x1080 @30FPS
Support Camera Type	uvc camera
Format Supported	H.264










Screen Casting

Max. Screen Output Resolution	3840×2160 @30FPS
Average Latency	150ms

Others

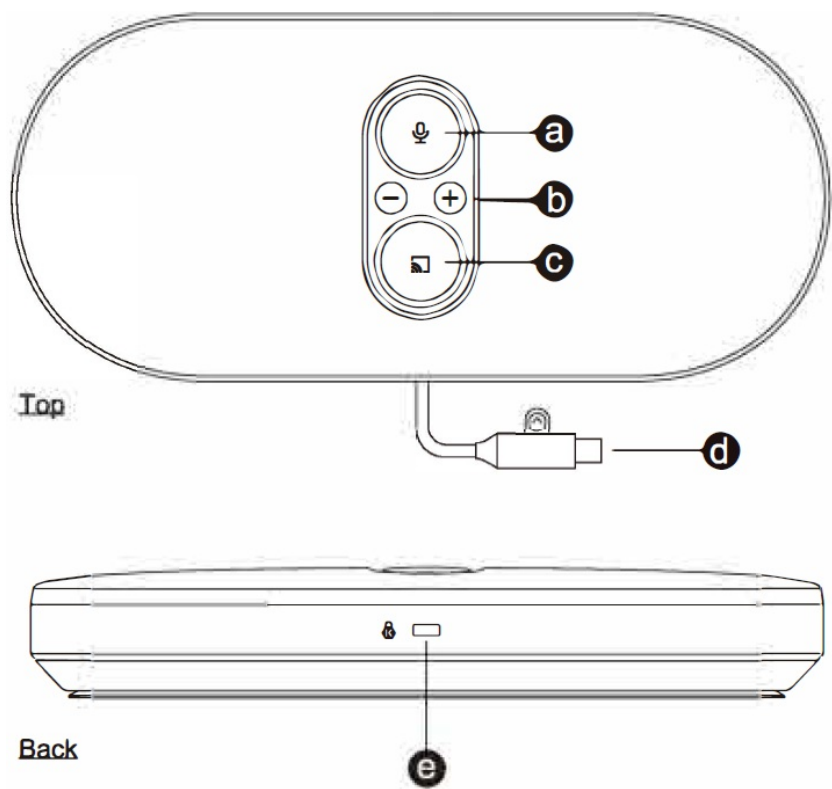
I/O Interface	Speakerphone (MIS): Type CPD+ DP ALT Receiver(RI C) : HDMI xl; TY PE CPD; USB A 3.0
Operating System	Win 10/ 11; Mac 10.8 and Later
Product Dimensions	Speakerphone (MIS): 180×81 x 32mm / 7.09 x 3.19 x 1.26" Receiver (RI C): 102 x 45 x 20mm/ 4.02 x 1.77 x 0.79"
Product Weights	Speakerphone (MIS): 385g / 13.58oz Receiver (RIC): 70g / 2.47oz
Package Contents	Connect: speakerphone(MI5) and receiver(RI C), 1 .5m Type-C to Type-Ccable, 1.5m HDMI Cable, 0.3m USB switch cable USB-C to HDMI & USB-A Adapter USB 3.0 Extension Cable

USB Type-C Specification Table

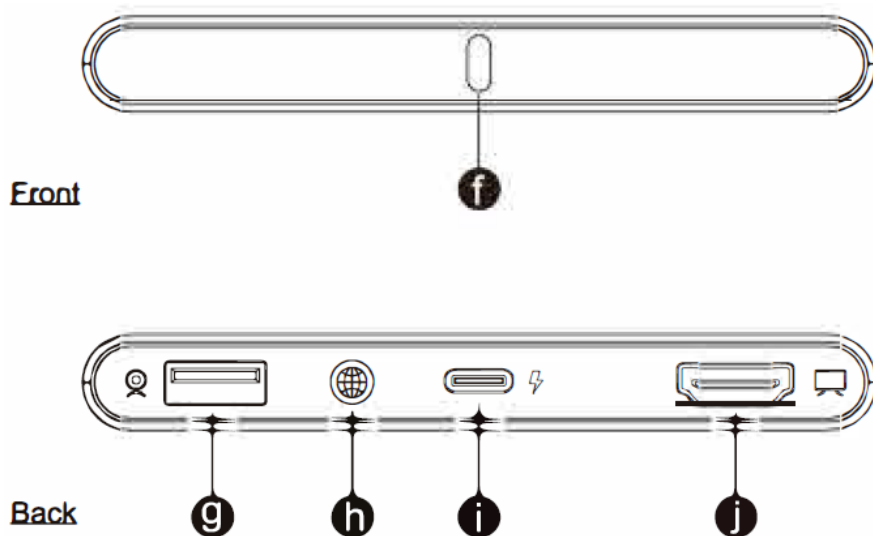
USB-C Connector		Data Transfer	Display	Power
USB 2.0 480 Mbps	 Normal	O	X	X
	 PD Enabled	O	X	O
USB 3.1 Gen 1 5 Gbps	 Normal	O	X	X
	 PD Enabled	O	X	O
USB 3.1 Gen 2 10 Gbps	 Normal	O	X	X
	 PD Enabled	O	X	O
DisplayPort 5-10 Gbps	 Normal	O	O	X
	 PD Enabled	O	O	O
Thunderbolt 20-40 Gbps PD Enabled DisplayPort		O	O	O

HOW TO USE

M15



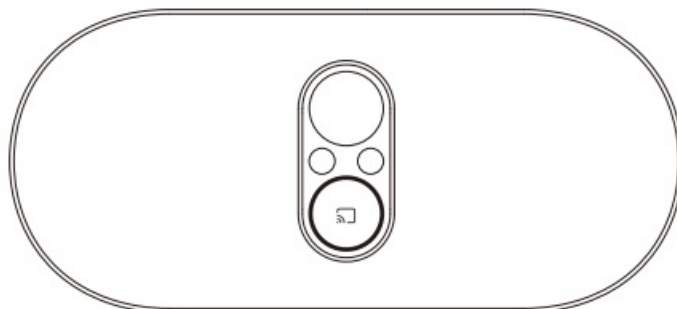
R1C



- **a Mic Mute**
 - **Green light** : Mic On
 - **Red light** : Mic off
- **b Speaker Volume**
- **c Screencast**
Press to start/end screencasting
- **d Type C cable to laptop**
For power supply and signal transmission
- **e Kensington Nano Slot**
- **f Status Indicator**
- **g USB Interface for camera**
(5V 0.9A)
- **h Language / Pair**
 - **Short press** : switch language
 - **Long press**: Re-pair
- **i Power Supply**
- **j HDMI Out for display**

STATUS INDICATORS

Speaker (M1S)



Flashing Green	Connecting in progress.
Static Green	Connection succeed, read for screencasting.
Static Yellow	No DP signal from the laptop port.
Static Red	<p>Connection failed:</p> <ol style="list-style-type: none"> 1. Replug the speakerphone MIS 2. The receiver RIC is not powered, please replug and ensure the RI C indicator light shows static white. 3. The RIC and MIS are not paired. Please ensure they are the original paired units. Otherwise please re-pair.

Receiver (R1 C)



Flashing Green	Connection in progress.
Static Green	Connection succeed, ready for screencasting.
Static White	Stand by.

REGULATORY AND SERVICE INFORMATION

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Compliance United States of America

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Do not make any changes or modifications to the equipment.
- 5.15 to 5.25 GHz band, UNII devices will be restricted to indoor operations to reduce any potential for harmful

interference to cochannel Mobile Satellite System (MSS) operations .

RF Radiation Exposure Statement Caution : This Transmitter must be installed to provide a separation distance of at least 20 cm from all persons.

Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Europe

We declare under our Sole responsibility that the Connect conforms to the essential requirements of European Union Directives 2014/53/EU Radio Equipment Directive (RED), 2014/30/EU Electromagnetic Compatibility Directive, 2014/35/EU Low Voltage Directive and 2011 /65/EU Restriction of Hazardous Substances in Electrical and Electronic Equipment.

These devices comply with RF specifications when the device is used at 20 cm from your body

United Kingdom

We declare under our sole responsibility that the Connect conforms to the essential UKCA requirements 2016 No : 1091. Electromagnetic Compatibility regulations 2016, 2016 No : 1101 Electrical Equipment Safety Regulation 2016, 2017 No : 1206 The Radio Equipment Regulation 2017, and UK SI 2016 No : 1091, Ro HS Restriction of the use of certain Hazardous Substances in Electrical and Electronic Regulations 2012 – UK SI 2012 No : 3032 .

Waste Electrical and Electronic Equipment (WEEE)

For more information concerning the correct disposal of these products, please contact your reseller.

FAQ

- **What's with it when yellow screencast indicator light on M1S?**
Make sure whether the computer connected supports DisplayPort(DP output).
- **What's with it when red screencast indicator light on MI S?**
Power off and on the MI 5. Or try pairing again.
- **Screencast button doesn't work but indicators on MI S/R1 C are normal?**

Check and confirm whether the MI 5 matches up with RI C by their SN.

- **When screencasting, there is no content showed on the screen.**

Make sure RI C is powered on and plugged into the HDMI IN port of the screen, with the proper signal source channel chosen. Try to change to an alternative HDMI IN port if the issue remains.

- **Why does my computer fail to screencast at 4K?**

1. Make sure the HDMI plugged in display device can support 4K resolution.
2. Check the resolution setting of your computer.
3. Check the computer casting mode, part of the computer to expand the screen can only be 4K cast screen.

- **Why does the sound not come out from transmitting device?**

1. Check the MI 5 is set to output device by default in computer audio setting.
2. Make sure the MI 5 is opted as microphone and speaker.

- **How to address echo issues at the other end during meeting?**

Choose MI 5 as your microphone/speaker to activate Echo Cancellation.

- **Why does the camera not work when plugged into RI C?**


Camera functionality may vary due to compatibility issues. Recommended to use a suggested camera if you are experiencing lagging or failed recognition.

1. Select MI 5 as an input camera in camera/conference software setting.
2. Unplug/plug the MI 5/RI C, and try after rebooting the system.
3. Check if the power supply exceeds specification, use adapter if it's the case.

- **Why does the device fail to be detected when plugging the Type-c cable of receiver to computer?**

The Type-C port on RI C is meant for power supply thus no data transmission performed, nor being detected as a device by computer.

Documents / Resources

	iF Design 614422 4k Wireless Conferencing System [pdf] User Guide 614422, 614422 4k Wireless Conferencing System, 4k Wireless Conferencing System, Wireless Conferencing System, Conferencing System, System
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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