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› YEHUA R15Y Wireless HDMI Transmitter and Receiver User Manual

YEHUA R15Y

YEHUA R15Y Wireless HDMI Transmitter and Receiver User Manual

Model: R15Y

1. INTRODUCTION

The YEHUA R15Y Wireless HDMI Transmitter and Receiver system provides a reliable solution for extending HDMI signals wirelessly. This device supports high-definition video transmission up to 1080P at 60Hz over distances of up to 200 meters (656 feet) in open environments. Featuring dual-band 5G/2.4G connectivity, an HDMI loopout function on the transmitter, and integrated IR remote control extension, it is designed for various applications including home entertainment, business presentations, and educational settings.

This manual provides detailed instructions for setting up, operating, and maintaining your YEHUA R15Y system to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.



YEHUA Sans Fil HDMI Émetteur et Récepteur



Image: YEHUA R15Y Wireless HDMI Extender Package Contents

- 1 x YEHUA Wireless HDMI Transmitter (TX)
- 1 x YEHUA Wireless HDMI Receiver (RX)
- 4 x Antennas (2 for TX, 2 for RX)
- 2 x Power Adapters
- 2 x HDMI Cables (1 meter each)
- 1 x IR Blaster Cable
- 1 x IR Receiver Cable
- 1 x Audio Cable
- 1 x User Manual

3. PRODUCT FEATURES

The YEHUA R15Y system incorporates several features designed for enhanced performance and user convenience:

- **Extended Transmission Range:** Transmits HDMI signals up to 200 meters (656 feet) in open areas, even through walls, thanks to its built-in AP function and signal amplifier.
- **Dual-Band Wireless Connectivity:** Supports both 5GHz and 2.4GHz frequencies for stable and efficient signal transmission, minimizing interference.
- **Plug & Play Operation:** Requires no software installation or Wi-Fi configuration. Simply connect and power on for immediate use.
- **HDMI Loopout Function:** The transmitter unit includes an HDMI loopout port, allowing a local display to be connected simultaneously with the wireless transmission.
- **IR Remote Control Extension:** Control your source device (e.g., set-top box, DVD player) from the receiver location using your existing remote control.

- **High-Definition Resolution:** Supports video resolutions up to 1920x1080P at 60Hz, ensuring clear and vibrant visuals.
- **Multi-Receiver Support:** One transmitter can broadcast to up to four receivers simultaneously (additional receivers sold separately).

Dual-Band Transmission

2.4GHz/5GHz Dual-Band Transmission



5 GHz

+

2.4 GHz

4. SETUP INSTRUCTIONS

Follow these steps to set up your YEHUA R15Y Wireless HDMI system:

4.1 Connecting the Transmitter (TX)

1. **Attach Antennas:** Screw the two antennas firmly onto the TX unit's antenna ports.
2. **Connect to Source Device:** Use an HDMI cable to connect the HDMI OUT port of your source device (e.g., laptop, PC, set-top box, game console) to the HDMI IN port on the TX unit.
3. **(Optional) HDMI Loopout:** If you wish to connect a local display, use another HDMI cable to connect the HDMI OUT (Loopout) port on the TX unit to the HDMI IN port of your local monitor or TV.
4. **(Optional) IR Blaster:** Connect the IR Blaster cable to the IR OUT port on the TX unit. Position the IR Blaster head near the IR sensor of your source device.
5. **Connect Power:** Plug one power adapter into the DC 5V port on the TX unit and then into a power outlet. The TX unit will power on automatically.

4.2 Connecting the Receiver (RX)

1. **Attach Antennas:** Screw the two antennas firmly onto the RX unit's antenna ports.
2. **Connect to Display Device:** Use an HDMI cable to connect the HDMI OUT port on the RX unit to the HDMI IN port of your display device (e.g., TV, projector, monitor).
3. **(Optional) IR Receiver:** Connect the IR Receiver cable to the IR IN port on the RX unit. Position the IR Receiver head in a location where it can receive signals from your remote control.
4. **Connect Power:** Plug the second power adapter into the DC 5V port on the RX unit and then into a power outlet. The RX unit will power on automatically.

4.3 Initial Connection

After connecting both TX and RX units to power, wait approximately 5 seconds for them to establish a wireless connection. The indicator lights on both units will confirm a successful connection.



Image: YEHUA R15Y Connection Diagram

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once the TX and RX units are powered on and connected, the video and audio from your source device will be wirelessly transmitted to the display connected to the RX unit. If you have connected a local display to the TX unit's loopout port, the content will also be shown there.

5.2 Mirror and Extended Modes

The system supports both mirror and extended display modes, depending on your source device's display settings. You can configure these settings directly on your laptop or PC.



Image: Mirror and Extended Display Modes

5.3 IR Remote Control Extension

With the IR Blaster and IR Receiver cables connected, you can use your source device's remote control from the location of the receiver. Point your remote control at the IR Receiver head, and the signal will be transmitted wirelessly to the IR Blaster connected to your source device, allowing you to control it remotely.

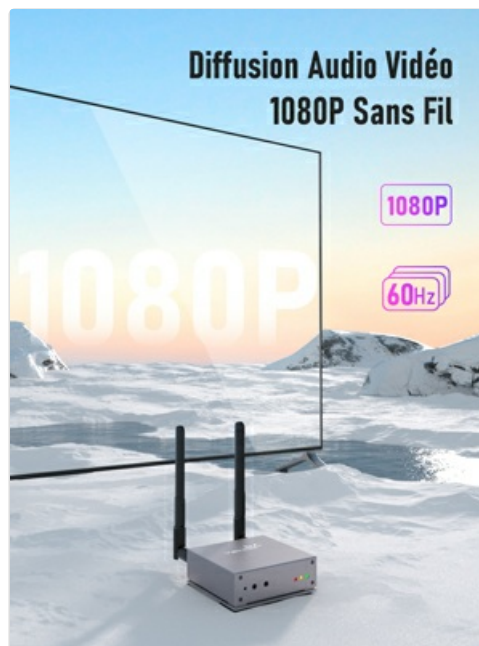


Image: Infrared Remote Control Extension

5.4 Multiple Receivers (1 TX to 4 RX)

The YEHUA R15Y system supports connecting one transmitter to up to four receivers simultaneously. This allows you to broadcast the same HDMI signal to multiple displays in different locations. Each additional receiver must be purchased separately and set up following the receiver connection instructions.

LISTE DE COLISAGE

			
Boîte	Émetteur-Récepteur	Antenne x 4	Câble d'alimentation x 2
			
Câble HDMI 1M x 2	Accessoires de câble IR	Câble Audio	Manuel de l'utilisateur

Image: Support for 1 Transmitter to 4 Receivers

6. MAINTENANCE

To ensure the longevity and optimal performance of your YEHUA R15Y Wireless HDMI system, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid or aerosol cleaners, as they may damage the casing or internal components.
- **Environment:** Operate the device in a well-ventilated area. Avoid exposing the units to extreme temperatures, direct sunlight, high humidity, or dusty environments.
- **Power:** Use only the provided power adapters. Disconnect power during lightning storms or when unused for long periods.
- **Handling:** Handle the units with care. Avoid dropping or subjecting them to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your YEHUA R15Y system, please refer to the following troubleshooting steps:

1. No Signal on Display:

- Ensure both TX and RX units are powered on and their indicator lights are active.
- Verify all HDMI cables are securely connected to both the source and display devices, and to the TX/RX units.
- Check that the display is set to the correct HDMI input source.

- Try connecting the source device directly to the display with an HDMI cable to confirm the source and display are working correctly.
- Reduce the distance between the TX and RX units and ensure there are no major obstructions (e.g., thick walls, metal objects) that could interfere with the wireless signal.

2. Poor Video Quality or Intermittent Signal:

- Ensure antennas are securely attached and oriented for optimal signal reception.
- Minimize wireless interference from other 5GHz/2.4GHz devices (e.g., Wi-Fi routers, cordless phones).
- Check the resolution settings of your source device. While the system supports 1080P, some older displays might require lower resolutions.
- Ensure the power adapters are providing stable power to both units.

3. IR Remote Control Not Working:

- Ensure the IR Blaster cable is securely connected to the TX unit and its head is positioned directly in front of the source device's IR sensor.
- Ensure the IR Receiver cable is securely connected to the RX unit and is positioned to receive signals from your remote control.
- Check the batteries in your remote control.

4. Audio Issues:

- Verify that the audio settings on your source device and display are correctly configured.
- Ensure the HDMI cables are fully inserted, as loose connections can affect audio transmission.

If the problem persists after trying these steps, please contact YEHUA customer support for further assistance.

8. SPECIFICATIONS

Brand	YEHUA
Model Number	R15Y
Connectivity Technology	HDMI, Wireless (5G/2.4G Wi-Fi)
Max Resolution	1920x1080P @ 60Hz
Transmission Range	Up to 200 meters (656 feet) in open field
Video Encoding	H.264
Power Input	DC 5V
Power Consumption	5 Watts
Weight	1 Kilogram (approximate)
Compatible Devices	Smart Television, Projector, Monitor, Laptop, PC, Mac, Set-top box, Camera HDSLR, DVD/Blu-ray Player, Game Consoles
Special Features	HDMI Loopout, IR Remote Control Extension, Dual Antennas, Built-in Signal Amplifier, Plug & Play

9. WARRANTY AND SUPPORT

YEHUA products are designed to enhance your daily life and work efficiency. Your satisfaction is our priority. For any product-related inquiries, technical support, or warranty claims, please contact YEHUA customer service through the retailer where you purchased the product or visit the official YEHUA brand store online. Please retain your proof of purchase for warranty purposes.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question