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Cable Matters 203002-6

Cable Matters Infrared Remote Extender Cable User Manual

Model: 203002-6

INTRODUCTION

The Cable Matters Infrared Remote Extender Cable is designed to extend the signal range of your infrared (IR) remote control, allowing you to control A/V equipment that is out of sight, such as devices located in a closed cabinet or another room. This kit includes an IR Receiver to pick up signals from your handheld remote and an IR Transmitter (blaster) to relay those signals to your A/V source, all powered conveniently via USB.



Figure 1: Overview of the Cable Matters Infrared Remote Extender Cable components.

Product Components

- **IR Receiver:** This component receives the infrared signals from your handheld remote control. It features a blue LED indicator that illuminates when a signal is detected. The receiver should be placed in line-of-sight of your remote.
- **IR Transmitter (Blaster):** This component relays the infrared signals to your A/V equipment. It should be positioned near the IR sensor of the device you wish to control.
- **USB Power Cable:** An integrated 6-foot Y-cable provides 5V USB power to the extender. It can be connected to a TV's USB port or a USB wall charger.



Figure 2: The Infrared Remote Extender Cable provides a solution for controlling devices out of sight.

Setup Instructions

1. **Connect USB Power:** Plug the USB end of the extender cable into an available USB port on your TV or a 5V USB wall charger. Ensure the power source provides consistent power. *Note: If your TV's USB port does not supply power when the TV is off, use a USB wall charger instead to ensure continuous operation.*
2. **Position the IR Receiver:** Place the IR Receiver bulb in a location where it has a clear line of sight to your handheld remote control. The receiver has a 30-degree reception angle and supports an IR signal range of up to 15 feet (4.6 meters). Adhesive circles are provided on the back for secure mounting.
3. **Position the IR Transmitter:** Locate the IR sensor on your A/V equipment (e.g., Blu-ray player, STB box, receiver). Place the IR Transmitter (blaster) directly in front of or very close to this sensor, ideally within 5 inches (13 cm). Adhesive circles are provided for mounting.
4. **Test the Connection:** Once all components are in place, test the setup by pointing your remote control at the IR Receiver and attempting to control your A/V equipment. The blue LED on the IR Receiver will illuminate to confirm

signal transmission.

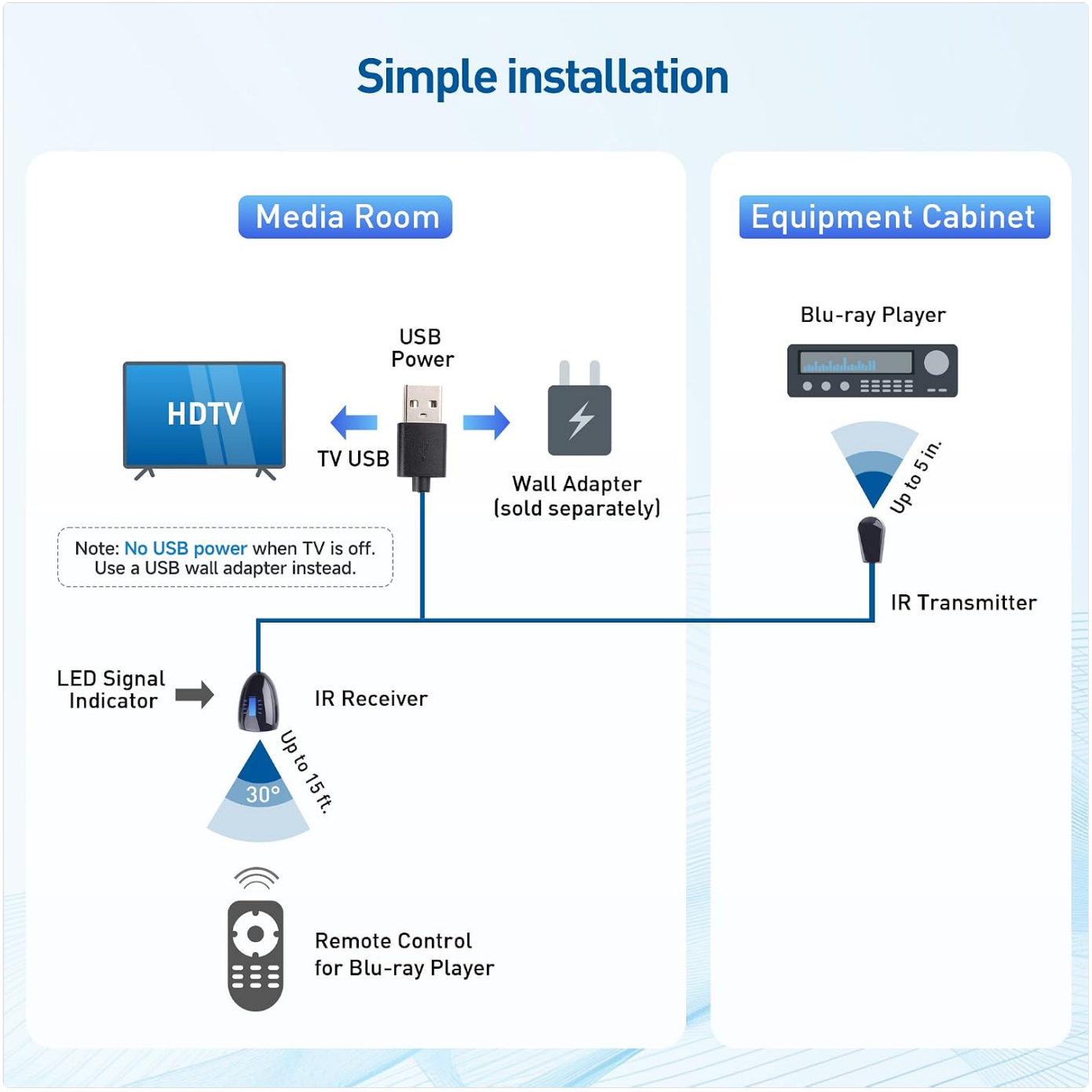


Figure 3: Simple installation diagram illustrating the connection of the IR Extender Cable.



Figure 4: Detailed views of IR Transmitter, IR Receiver, and USB Power connections.

Operating Instructions

Once properly set up, the Cable Matters Infrared Remote Extender Cable operates automatically. Simply point your existing IR remote control at the IR Receiver, and the signal will be relayed to your hidden A/V equipment via the IR Transmitter.

- **Signal Confirmation:** The blue LED on the IR Receiver will light up when it successfully receives a signal from your remote, confirming that the signal is being transmitted.
- **Optimal Range:** The IR Receiver can pick up signals from up to 15 feet (4.6 meters) away, with a 30-degree reception angle, providing flexibility in placement.
- **Compatibility:** This extender is compatible with most A/V equipment that uses standard infrared (IR) signals.**It is NOT compatible with RF (Radio Frequency) remote controls.** Always verify the signal type your devices support before use.



Figure 5: The IR Receiver provides a wide reception angle for ease of use.



Figure 6: Proper placement of the IR Transmitter near the source device's sensor.

Maintenance

The Cable Matters Infrared Remote Extender Cable requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the IR Receiver and Transmitter bulbs if they become dusty. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the cable in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or crimping the cable excessively, as this can damage the internal wiring. Do not expose the components to water or high humidity.

Troubleshooting

If you encounter issues with your Infrared Remote Extender Cable, please refer to the following common troubleshooting

steps:

1. **No Signal Transmission:**
    - Ensure the USB power cable is securely connected and receiving power. If using a TV's USB port, confirm it provides power when the TV is off; otherwise, switch to a wall charger.
    - Verify that the IR Receiver has a clear line of sight to your handheld remote. Obstructions can block the signal.
    - Confirm the IR Transmitter is positioned directly over or very close to the IR sensor of your A/V equipment.
    - Check if the blue LED on the IR Receiver illuminates when you press buttons on your remote. If not, the receiver may not be detecting the signal.
2. **Interference Issues:**
    - Position the extender away from Wi-Fi routers, CFL bulbs, or other devices that emit strong electromagnetic interference, as these can disrupt the IR signal.
3. **Remote Not Responding:**
    - Ensure your remote control uses an IR signal. This extender is not compatible with RF (Radio Frequency) remotes.
    - Check the batteries in your handheld remote control.

Specifications

Feature	Detail
Brand	Cable Matters
Model Name	203002-6
Connector Type	USB
Cable Type	USB
Compatible Devices	Television, Blu-ray players, STB boxes, Receivers, and other A/V equipment with IR sensors
Special Feature	Blue LED Signal Indicator on IR Receiver
Recommended Uses	Home theaters, entertainment systems, TV setups
Color	Black
IR Receiver Angle	30 degrees
IR Signal Range (Receiver)	Up to 15 feet (4.6 meters)
IR Signal Range (Transmitter)	Up to 5 inches (13 cm) from device sensor
Power Source	5V USB
Item Weight	1.76 ounces (0.05 Kilograms)
Cable Length (USB Y-cable)	6 feet (1.8 meters)



Figure 7: Cable lengths for different variants of the extender cable.

Customer Support

For further assistance, technical support, or warranty inquiries regarding your Cable Matters Infrared Remote Extender Cable, please visit the official Cable Matters website or contact their customer service department.

Brand: Cable Matters

Website: www.cablematters.com

Please have your product model number (203002-6) and purchase information ready when contacting support.

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