

measy AV530

measy AV530 Wireless AV Transmitter and Receiver User Manual

Model: AV530 | Brand: measy

1. INTRODUCTION

Thank you for choosing the measy AV530 Wireless AV Transmitter and Receiver. This device allows you to wirelessly transmit audio and video signals from one source to a display in another location, eliminating the need for long, expensive cables. It operates on the 5.8GHz ISM frequency band, providing a stable and clear signal for various AV devices.

This manual provides detailed instructions for setting up, operating, and troubleshooting your AV530 system to ensure optimal performance.

2. PRODUCT OVERVIEW

2.1 Package Contents

The measy AV530 package includes the following components:

- 1 x AV530 Wireless AV Transmitter (TX)
- 1 x AV530 Wireless AV Receiver (RX)
- 2 x RCA Cables
- 2 x Power Adapters
- 1 x User Manual (this document)



Figure 2.1: Included components in the AV530 package.

2.2 Device Layout and Features

The AV530 system consists of a transmitter and a receiver, both compact and designed for easy integration into your home entertainment setup.



Figure 2.2: measy AV530 Transmitter and Receiver units.



Figure 2.3: Rear panel connections and controls.

Key Features:

- **Wireless Transmission:** Utilizes 5.8GHz ISM frequency band for clear and stable audio/video transmission.
- **Extended Range:** Achieves up to 300m (1000ft) in clear line of sight. Transmission distance through obstacles like wood or glass walls can be 10-50m (33-165ft). Concrete walls may significantly reduce range.
- **Point-to-Multipoint Support:** One transmitter can send signals to multiple receivers (additional receivers sold separately).
- **8 Selectable Channels:** Allows users to switch channels to find the best signal and avoid interference.
- **Plug and Play:** No complex setup or drivers required.
- **RCA Connectivity:** Designed for devices with RCA (composite video and stereo audio) outputs. *Note: This model does not support HDMI directly and lacks IR remote control functionality.*



Figure 2.4: RCA connection is required.

3. SETUP INSTRUCTIONS

Follow these steps to set up your measy AV530 Wireless AV system:

1. **Position the Transmitter (TX):** Place the transmitter unit near your audio/video source device (e.g., DVD player, VCD, IPTV, DVR, satellite receiver, STB, CCTV camera, PC).
2. **Connect the Transmitter:**
 - Connect the RCA video output (yellow) from your source device to the yellow RCA video input on the AV530 Transmitter.
 - Connect the RCA audio left (white) and audio right (red) outputs from your source device to the corresponding white and red RCA audio inputs on the AV530 Transmitter.
 - Connect one of the provided power adapters to the Transmitter's power input and plug it into a power outlet.
3. **Position the Receiver (RX):** Place the receiver unit near your display device (e.g., TV, monitor, projector) where you want to view the content.
4. **Connect the Receiver:**
 - Connect the yellow RCA video output from the AV530 Receiver to the yellow RCA video input on your display device.
 - Connect the white and red RCA audio outputs from the AV530 Receiver to the corresponding white and red RCA audio inputs on your display device.
 - Connect the second power adapter to the Receiver's power input and plug it into a power outlet.
5. **Power On and Select Channel:**
 - Turn on both the Transmitter and Receiver units using their respective power switches.
 - Ensure both the Transmitter and Receiver are set to the **same channel**. Use the channel switch button on each unit to cycle through the 8 available channels until they match. The channel number will be displayed on the unit's front panel.
6. **Verify Connection:** Turn on your source device and display. You should now see the transmitted audio and video on your display. If not, refer to the Troubleshooting section.



Figure 3.1: Typical connection diagram for the AV530 system.

4. OPERATING INSTRUCTIONS

4.1 Channel Selection

The AV530 offers 8 channels to choose from. If you experience interference or a poor signal, try switching to a different channel. Remember to set both the transmitter and receiver to the same channel for them to communicate.

4.2 Multi-Receiver Setup

The AV530 system supports one transmitter broadcasting to multiple receivers simultaneously. To add more receivers, simply purchase additional AV530 receiver units and set them to the same channel as your existing transmitter.



Figure 4.1: Multi-room transmission setup.

4.3 Optimizing Signal Strength

For best performance, especially over longer distances or through obstacles:

- **Line of Sight:** Maintain as much direct line of sight between the transmitter and receiver as possible. Obstacles can significantly reduce transmission distance.
- **Antenna Adjustment:** Adjust the angle of the antennas on both units to optimize signal reception.
- **Elevation:** Placing the transmitter and receiver in a higher position can sometimes improve wireless transmission.
- **Interference:** Keep the units away from potential sources of interference such as cordless phones, wireless routers, and microwave ovens.



Wall 



Figure 4.2: Signal transmission through a wall.

5. TROUBLESHOOTING

If you encounter issues with your measy AV530 system, refer to the following common problems and solutions:

5.1 The image is interfered or has poor quality.

- Adjust the angle of the antennas on both the transmitter and receiver.
- Try changing the 5.8GHz transmission channel for both the transmitter and receiver. Cycle through all 8 channels to find the clearest one.
- If possible, place the transmitter and receiver in a higher location to strengthen the wireless transmission.
- Move the units away from other wireless devices (cordless phones, Wi-Fi routers, microwaves) that might cause interference.

5.2 Why is my video black and white?

If the image transmits in black and white, the video cable may be connected to a Component Video input (Red, Blue, Green) on your TV. Some TVs have a yellow RCA connection built into the green Component connection.

It may be necessary to change your TV settings to enable the correct Video input option. Consult your TV's user manual for specific instructions.

5.3 The channel display does not light up, or there is no image.

- Check the power connection of both the transmitter and receiver. Ensure they are properly plugged in and their power switches are in the ON position.
- Try changing the 5.8GHz transmission channel for both the transmitter and receiver. Ensure they are set to the same channel.
- Verify that the transmitter and receiver are connected correctly to your source and display devices, respectively (refer to Section 3: Setup Instructions).

5.4 What if they don't connect?

- Ensure that the transmitter and receiver are within range of each other. While line of sight can reach 300m, passing through walls and floors will significantly reduce the distance (e.g., to 10m/33ft or less through concrete). Line of sight is recommended.
- Confirm that both power switches are set to the ON position.
- Confirm that the channel selection switches on both units are set to the same number.
- Test each channel to improve signal strength and avoid interference.
- All wireless devices may be subject to interference. Adjust antennas or reposition the transmitter and receiver away from sources of interference like cordless phones, wireless routers, and microwaves.

5.5 How can I connect the sender to my Coaxial, BNC, or HDMI source device?

The measy AV530 requires an RCA connection for operation. If you wish to connect to another connection type, you will need an appropriate adapter (e.g., Coaxial to RCA, BNC to RCA) or a converter (e.g., HDMI to RCA). Many adapters and converters are available for different connection types. If connecting to a Coaxial or HDMI TV, an adapter or converter can still be used but must be the reverse type (RCA to HDMI, RCA to Coaxial).

6. SPECIFICATIONS

Feature	Specification
Model Number	AV530
Product Dimensions	3.94 x 3.35 x 0.98 inches (100 x 85 x 25 mm)
Item Weight	1.48 pounds (0.67 kg)
Connectivity Technology	Wi-Fi (5.8GHz ISM Band)
Compatible Devices	VCD, DVD, IPTV, DVR, Satellite Receiver, STB, Digital CCTV Camera, etc.
Connector Type	RCA (Composite Video, Stereo Audio)
Audio Output Mode	Stereo
Color	Silver

Feature	Specification
Output Power	5 Watts
Number of Channels	8



Figure 6.1: AV530 unit dimensions.

7. MAINTENANCE

To ensure the longevity and optimal performance of your measy AV530 system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Do not use liquid cleaners or aerosols.
- **Environment:** Keep the units in a dry environment, away from direct sunlight, extreme temperatures, and high humidity.
- **Ventilation:** Ensure proper ventilation around the units to prevent overheating. Do not block the ventilation holes.
- **Storage:** If storing the units for an extended period, disconnect them from power and store them in a cool, dry place.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official measy website. Keep your proof of purchase for any warranty claims.

