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ANRAN T-AROUT9109

ANRAN Wi-Fi Range Extender IPC Router Repeater User Manual

Model: T-AROUT9109

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your ANRAN Wi-Fi Range Extender IPC Router Repeater. This device is designed to enhance the wireless signal range for ANRAN wireless home security camera systems, ensuring reliable connectivity for your surveillance cameras.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the components of your ANRAN Wi-Fi Range Extender.



Figure 2.1: Front view of the ANRAN Wi-Fi Range Extender, showing its compact design and external antenna.



Figure 2.2: Detailed view of the ANRAN Wi-Fi Range Extender, highlighting its ports, buttons, and indicators.

Component Identification:

- Antenna:** Receives and transmits wireless signals.
- Ethernet Port:** Connects to the Network Video Recorder (NVR).
- Power Port:** Connects the IPC Router to a power source.
- Reset Button:** Press for 3 seconds to reset the device to factory settings.
- LED Indicator:** Displays PC Indicator / NVR System Indicator status.
- Speaker:** Provides system notifications only.

3. SETUP INSTRUCTIONS

Follow these steps to set up your ANRAN Wi-Fi Range Extender.

3.1. Wireless Repeater Mode

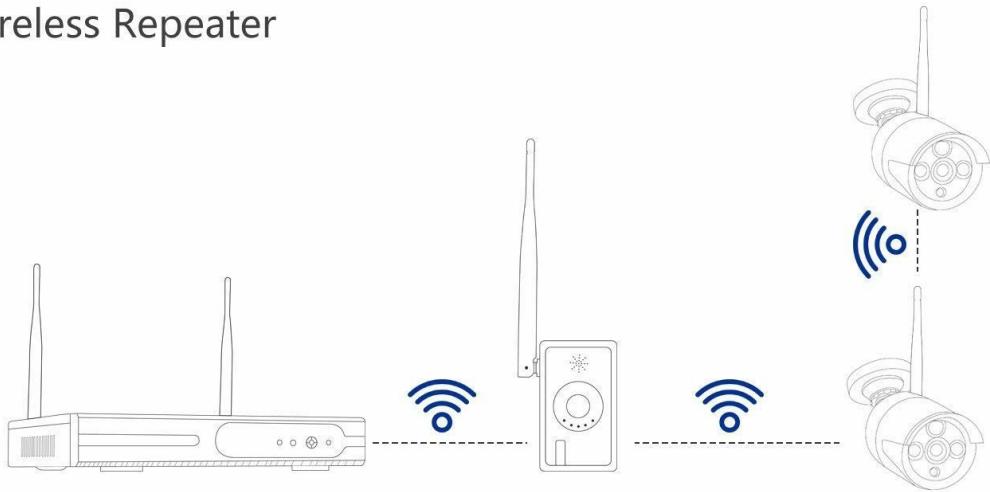
This mode extends the Wi-Fi range between your NVR and wireless cameras.

- Power On:** Connect the IPC Router to a power source using the Power Port.
- Placement:** Position the extender between your NVR and the cameras that require improved signal

strength. Ensure it is within range of both.

3. **Pairing:** The extender will automatically attempt to connect to your ANRAN wireless NVR system. Refer to your NVR's manual for specific pairing instructions if automatic connection does not occur.

Wireless Repeater



Make Wired NVR to be the Wireless



Figure 3.1: Diagram illustrating the setup for Wireless Repeater mode (top) and converting a Wired NVR to Wireless (bottom).

3.2. Wired NVR to Wireless Mode

This mode allows a wired NVR to communicate wirelessly with cameras through the extender.

1. **Power On:** Connect the IPC Router to a power source.
2. **Connect NVR:** Connect your wired NVR to the IPC Router's Ethernet Port using an Ethernet cable.
3. **Camera Pairing:** Ensure your wireless cameras are paired with the IPC Router. This setup effectively makes your wired NVR capable of receiving wireless camera feeds via the extender.

4. OPERATING INSTRUCTIONS

Once set up, the ANRAN Wi-Fi Range Extender operates automatically to boost your wireless signal.

- **Signal Enhancement:** The extender works to improve the Wi-Fi signal strength between your ANRAN NVR and connected wireless cameras.

- **LED Indicators:** Monitor the LED indicators for status updates. Refer to your NVR's manual for specific LED behavior interpretations.
- **Reset Function:** If the device is not functioning as expected, press and hold the Reset Button for 3 seconds to restore factory settings. You may need to reconfigure after a reset.

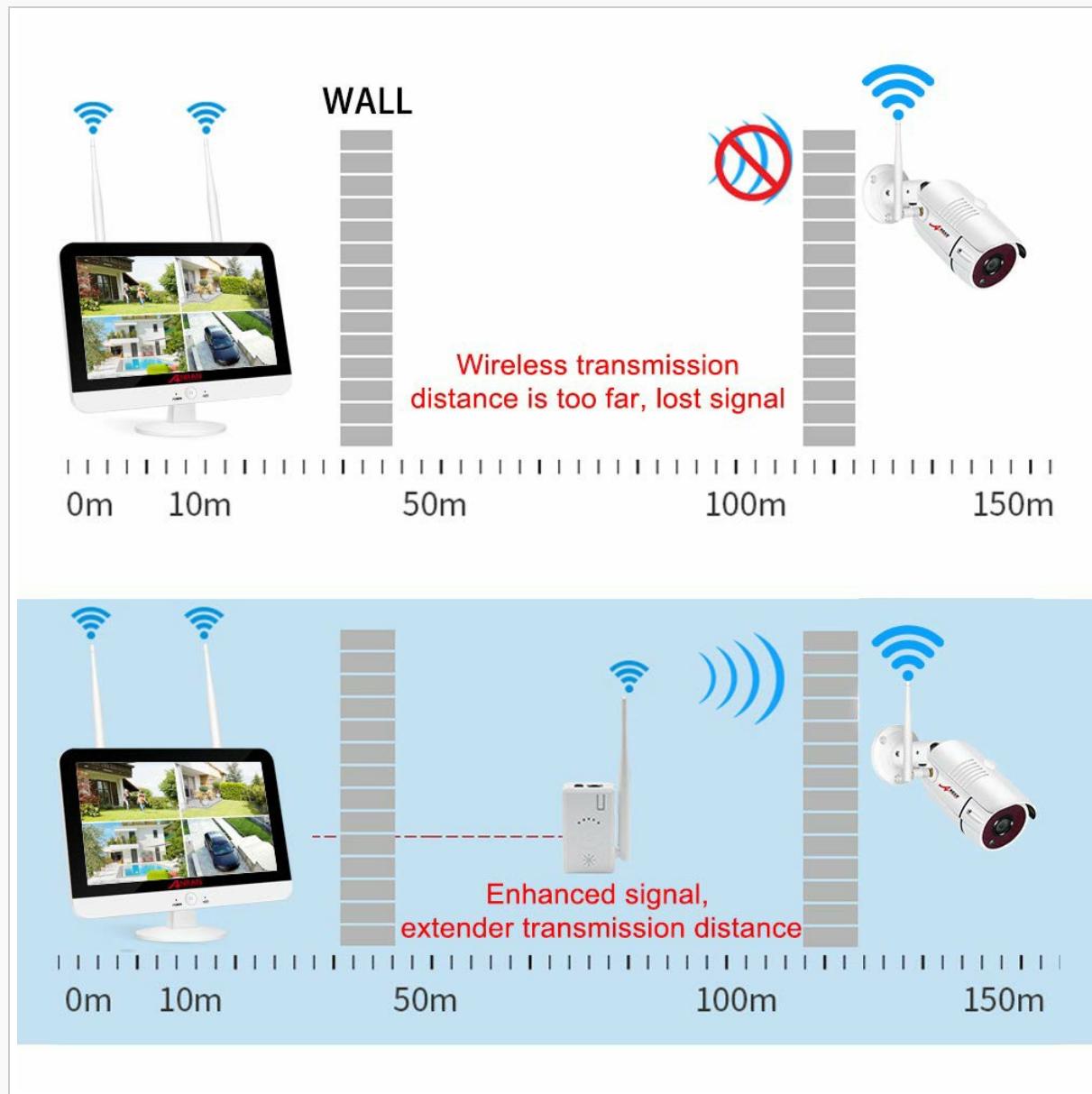


Figure 4.1: Illustration demonstrating how the ANRAN Wi-Fi Range Extender enhances signal strength and extends transmission distance, especially through obstacles like walls.

5. COMPATIBILITY

The ANRAN Wi-Fi Range Extender is specifically designed for use with ANRAN wireless surveillance camera systems.

- **Supported Systems:** Compatible with ANRAN 960P/1080P Wireless Security Camera Systems (e.g., 4-channel or 8-channel systems).
- **Unsupported Systems:** Not compatible with ANRAN 5MP Wireless Security Camera Systems.
- **Camera Limit:** Note that one IPC Router is designed to improve the signal for up to two cameras connected to the NVR.

Note :

The IPC Router only supports ANRAN
960P/1080P Wireless Security Camera System

(Not Supporting ANRAN 5MP Wireless Security Camera System)



Figure 5.1: Diagram indicating that the IPC Router supports ANRAN 960P/1080P Wireless Security Camera Systems, but not ANRAN 5MP systems.

6. MAINTENANCE

The ANRAN Wi-Fi Range Extender requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Environment:** Ensure the device is placed in a dry, well-ventilated area, away from direct sunlight, extreme temperatures, and moisture.
- **Firmware Updates:** Periodically check the ANRAN official website for any available firmware updates for your NVR or extender to ensure optimal performance and security.

7. TROUBLESHOOTING

If you encounter issues with your ANRAN Wi-Fi Range Extender, refer to the following common solutions:

- **No Signal/Weak Signal:**
 - Ensure the extender is powered on and its LED indicators are active.

- Reposition the extender closer to both the NVR and the cameras experiencing weak signals.
- Minimize physical obstructions (thick walls, metal objects) between the extender, NVR, and cameras.
- Confirm the extender is compatible with your specific ANRAN security system (960P/1080P only).

- **Extender Not Connecting to NVR/Cameras:**

- Perform a reset on the extender by pressing the Reset Button for 3 seconds.
- Ensure the NVR and cameras are powered on and functioning correctly.
- Refer to your NVR's manual for specific instructions on adding or re-pairing cameras/extenders.

- **Audio Hum (as reported by some users):**

- This may be an environmental interference issue. Try relocating the extender or cameras.
- Ensure all power connections are secure and free from interference.

If issues persist, contact ANRAN Technical Support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	ANRAN
Model	T-AROUT9109
Compatible Devices	ANRAN 960P/1080P Wireless Security Camera Systems
Wireless Type	802.11b
Data Transfer Rate	2.4 GHz
Frequency Band Class	Dual-Band (Note: Device operates on 2.4GHz)
Special Features	LED Indicator, Ethernet Port
Item Weight	249 g
Package Dimensions	21.69 x 10.21 x 6.4 cm

9. WARRANTY AND SUPPORT

ANRAN provides comprehensive support for its products.

- **Technical Support:** Lifetime Free Technical Support is available for this product.
- **Contact:** For any setup issues or further assistance, please email ANRAN directly. Refer to the product packaging or ANRAN's official website for contact details.
- **Instruction Manual:** This instruction manual is included with the product.

