

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Comelit](#) /
- › [Comelit 8451V Quadra and Mini HF Wi-Fi Intercom Kit Instruction Manual](#)

Comelit 8451V

Comelit 8451V Quadra and Mini HF Wi-Fi Intercom Kit

Instruction Manual

1. INTRODUCTION

The Comelit 8451V Kit Quadra and Mini HF Wi-Fi is a comprehensive video intercom system designed for home security and convenience. This kit provides a complete solution for managing access to your property, featuring a robust outdoor unit, a sleek indoor monitor with Wi-Fi connectivity, and essential power components.

This system is pre-programmed and ready for immediate use upon delivery, simplifying the installation process. Its design allows for easy expansion to accommodate multi-family homes by adding additional indoor audio or video stations.



Figure 1.1: Overview of the Comelit 8451V Kit components, including the outdoor Quadra unit, indoor Mini HF Wi-Fi monitor, and a smartphone displaying the mobile application interface.

2. INCLUDED COMPONENTS

The Comelit 8451V Kit includes the following essential components:

- **Quadra Outdoor Unit (Reference 4893M):** This is the external door station, featuring a camera, microphone, speaker, and call button(s).
- **Power Supply Unit (Reference 1209):** Provides the necessary power to operate the intercom system.
- **Mini Hands-Free Wi-Fi Monitor (Reference 6741W):** The indoor video monitor with a display, controls, and Wi-Fi connectivity for smartphone integration.
- **Line Termination Terminal (Reference 1216):** Used for proper termination of the system's wiring.



Figure 2.1: The Comelit Power Supply Unit (Reference 1209), essential for system operation.

3. SETUP AND INSTALLATION

The Comelit 8451V kit is designed for a "Wireless DIY" installation method, meaning it's pre-addressed and largely plug-and-play. However, professional electrical connection is required.

3.1. Safety Precautions

- Always disconnect power before performing any wiring or installation.
- Ensure all wiring complies with local electrical codes and regulations.
- If unsure, consult a qualified electrician.

3.2. Installation Steps

1. **Mount the Quadra Outdoor Unit:** Choose a suitable location near your entrance, ensuring clear visibility for the camera and easy access for visitors. Securely mount the unit at an appropriate height.



Figure 3.1: The Comelit Quadra Outdoor Unit, ready for mounting.

2. **Install the Power Supply Unit:** Mount the power supply unit in a secure, dry location, typically near your electrical panel or where the main wiring will converge.
3. **Mount the Mini Hands-Free Wi-Fi Monitor:** Install the indoor monitor at a convenient location inside your home,

such as a hallway or living area, where it can be easily accessed.



Figure 3.2: The Comelit Mini Hands-Free Wi-Fi Monitor, showing its display and controls.

4. **Wiring:** Connect the Quadra outdoor unit, Mini Wi-Fi monitor, and power supply unit according to the detailed wiring diagrams provided in the manufacturer's full installation guide (not included in this manual). Ensure correct polarity and secure connections. The system uses SBTOP technology.
5. **Connect Line Termination Terminal:** Install the line termination terminal as specified in the wiring diagram to ensure proper signal integrity.
6. **Power On:** Once all components are securely mounted and wired, connect the system to the main power supply. The system is pre-addressed to address 1.
7. **Wi-Fi Configuration:** Follow the instructions in the Mini Wi-Fi monitor's specific manual to connect it to your home Wi-Fi network. This enables smartphone connectivity.
8. **Smartphone App Setup:** Download the official Comelit app (compatible with Smartphone, personal computer, tablet) from your device's app store. Follow the in-app instructions to pair your Mini Wi-Fi monitor with your smartphone for remote access and control.



Figure 3.3: The Comelit smartphone application interface, providing remote access to the intercom system.

3.3. Expanding the System

The system can be expanded for multi-family homes (bifamilial or four-family) by utilizing the DIP switch code to share or divide the call button. Additional indoor audio or video stations can be added to accommodate more users.

4. OPERATING INSTRUCTIONS

4.1. Receiving a Call

- When a visitor presses the call button on the Quadra outdoor unit, the Mini Wi-Fi monitor will ring, and a live video feed will appear on its screen.
- If connected, your smartphone will also receive a notification and display the video feed via the Comelit app.
- To answer the call, press the designated answer button on the monitor or within the app.

4.2. Two-Way Communication

- Once the call is answered, you can speak to the visitor through the monitor's or app's microphone and speaker.

- The system supports audio-only alerts.

4.3. Door Release

- If connected to an electric lock, press the door release button on the monitor or within the app to grant access to the visitor.

4.4. Monitoring

- You can initiate a live view from the Quadra outdoor unit at any time through the Mini Wi-Fi monitor or the Comelit app, even without a visitor pressing the call button.

5. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the surfaces of the outdoor unit and indoor monitor. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check the Comelit app for firmware updates for your Mini Wi-Fi monitor. Keeping the software updated ensures optimal performance and security.
- **Environmental Protection:** Ensure the outdoor unit is protected from extreme weather conditions as much as possible, although it is designed for outdoor use.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video on indoor monitor/app.	Power supply issue. Loose wiring connection. Camera malfunction.	Check if the power supply unit (1209) is powered on. Verify all wiring connections are secure. Contact Comelit support if the issue persists.
No audio during calls.	Microphone/speaker issue. Wiring problem.	Check volume settings on the monitor/app. Inspect audio wiring connections.
Wi-Fi monitor not connecting to network.	Incorrect Wi-Fi password. Weak Wi-Fi signal. Router issues.	Re-enter Wi-Fi password carefully. Move monitor closer to the Wi-Fi router or use a Wi-Fi extender. Restart your Wi-Fi router.
Smartphone app not receiving notifications.	App permissions. Network connectivity. App not running in background.	Check notification permissions for the Comelit app in your phone settings. Ensure your phone has stable internet access. Keep the app running in the background or check its power saving settings.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
---------	--------

Feature	Detail
Model Number	8451V
Brand	Comelit
Manufacturer	COMELIT GROUP S.P.A.
Product Dimensions (L x W x H)	0.03 x 0.03 x 0.03 cm; 4.54 grams
Power Source	Corded Electric
Voltage	8451 Volts (Note: This value seems unusually high for typical intercom systems and may refer to a specific internal rating or model number interpretation. Refer to the power supply unit for actual operating voltage.)
Installation Method	Wireless DIY
Connectivity Technology	Wi-Fi
Compatible Devices	Smartphone, Personal Computer, Tablet
Video Recording Resolution	720p
Alert Type	Audio Only
Control Method	Application
Included Components	Quadra Outdoor Unit, Power Supply Unit, Mini Hands-Free Wi-Fi Monitor, Line Termination Terminal

8. WARRANTY AND SUPPORT

8.1. Return Policy

This product is subject to a 30-day return policy for refund or replacement, as per the seller's terms at the time of purchase. Please refer to your purchase documentation for specific details.

8.2. Technical Support

For technical assistance, detailed wiring diagrams, or further inquiries regarding the Comelit 8451V Kit, please refer to the official Comelit website or contact Comelit customer support directly. Contact information can typically be found on the manufacturer's packaging or website.

Information regarding spare parts availability is not provided in the product specifications.

