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CHACON 34809 Hands-Free 7-inch Video Intercom User Manual

Model: 34809

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your CHACON 34809 Hands-Free 7-inch Video Intercom. Please read these instructions carefully before installation and use to ensure proper function and safety. This system allows you to view and communicate with visitors at your door, enhancing home security and convenience.

2. PRODUCT OVERVIEW

The CHACON 34809 video intercom system consists of an indoor monitor and an outdoor station. The indoor monitor features a 7-inch color screen for clear viewing and hands-free communication. The outdoor station is constructed from aluminum, designed for durability, and includes a mounting support with rain protection.

- **Indoor Monitor:** 7-inch color display for clear video, hands-free audio communication, and touchpad controls.
- **Outdoor Station:** Aluminum construction, integrated camera, microphone, speaker, and call button. Designed for outdoor use with rain protection.
- **Functionality:** Enables two-way full-duplex communication, video monitoring, and control of an electric strike or gate.



Figure 2.1: CHACON 34809 Video Intercom System. This image shows the indoor monitor and the outdoor station, highlighting their design and components.

3. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or in accordance with local electrical codes. Disconnect power before installation or maintenance.
- **Wiring:** Ensure all wiring connections are secure and correctly polarized to prevent damage to the unit or electrical hazards.
- **Placement:** Install the outdoor station in a location that provides clear visibility of visitors and is protected from direct, extreme weather conditions, despite its rain protection.
- **Water Resistance:** The outdoor station is designed with rain protection but is not fully waterproof. Avoid submerging or exposing it to high-pressure water jets.
- **Operating Temperature:** Do not operate the device outside its specified temperature range to prevent malfunction.

4. SETUP AND INSTALLATION

The CHACON 34809 video intercom system uses wired connectivity for reliable performance. Both the indoor monitor and outdoor station are designed for wall mounting.

4.1. Components Check

Before starting, ensure all components are present:

- Indoor Monitor (1 unit)
- Outdoor Station (1 unit)
- Mounting brackets for both units
- Rain protection cover for outdoor station
- Power adapter (if external) or wiring for direct power connection
- Screws and wall plugs

4.2. Mounting the Outdoor Station

1. Choose a suitable location near your entrance, ensuring clear visibility and accessibility for visitors. The recommended height is approximately 1.5 meters from the ground.
2. Attach the mounting bracket to the wall using the provided screws and wall plugs.
3. Install the rain protection cover over the mounting bracket.
4. Connect the necessary wiring (power, video, audio, gate control) to the outdoor station terminals. Refer to the wiring diagram for correct connections.
5. Secure the outdoor station onto the mounting bracket and rain cover.

4.3. Mounting the Indoor Monitor

1. Select a convenient indoor location, such as a hallway or living area, where the monitor is easily accessible.
2. Attach the indoor monitor's mounting bracket to the wall.
3. Connect the wiring from the outdoor station and power supply to the indoor monitor's terminals.
4. Mount the indoor monitor onto its bracket.

4.4. Wiring Diagram (Conceptual)

A typical wired setup involves connecting the outdoor station to the indoor monitor using a multi-core cable for video, audio, and power. Additional wires are used for electric strike or gate control. Ensure all connections are firm and insulated.

Wire 1 (Video): Connects video signal from outdoor camera to indoor monitor.

Wire 2 (Audio In): Connects audio from outdoor microphone to indoor speaker.

Wire 3 (Audio Out): Connects audio from indoor microphone to outdoor speaker.

Wire 4 (Power +): Positive power supply (13.5V).

Wire 5 (Power - / Ground): Negative power supply / Ground.

Wires 6 & 7 (Control): For electric strike or gate release.

Note: Always refer to the specific wiring diagram provided in your product packaging for precise connection details.

5. OPERATING INSTRUCTIONS

The CHACON 34809 video intercom is designed for user-friendly operation with its touchpad controls and hands-free communication.

5.1. Receiving a Call

1. When a visitor presses the call button on the outdoor station, the indoor monitor will ring and display the visitor's image.
2. To answer the call, touch the "Answer" button on the monitor's touchpad.
3. Engage in hands-free, full-duplex audio communication with the visitor.
4. To end the call, touch the "End Call" button. The monitor will return to standby mode.

5.2. Monitoring

You can manually view the outdoor area at any time:

- From standby mode, touch the "Monitor" button on the indoor unit. The screen will display the live feed from the outdoor camera.
- To exit monitoring mode, touch the "End Call" or "Monitor" button again.

5.3. Door/Gate Release

During a call or while monitoring, you can unlock an electric strike or open a gate:

- Touch the "Unlock" or "Gate" button on the indoor monitor's touchpad.
- The connected electric strike or gate mechanism will activate for a short period.

5.4. Adjusting Settings

The indoor monitor allows for adjustment of various settings:

- **Volume:** Adjust the ringtone and communication volume using the dedicated buttons or on-screen menu.
- **Brightness/Contrast:** Modify screen display settings for optimal viewing.
- **Ringtone:** Select from available ringtones.

Consult the on-screen menu or specific buttons for detailed setting adjustments.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitor screen and outdoor station. Do not use abrasive cleaners or solvents.
- **Outdoor Station:** Regularly check the outdoor station for any obstructions to the camera or microphone. Ensure the rain protection cover is secure.
- **Connections:** Periodically inspect all wired connections for corrosion or looseness. Ensure they remain secure.
- **Software Updates:** Information on software updates is not available. Refer to the manufacturer's website for any potential updates.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on indoor monitor.	No power to the monitor or outdoor station; loose video cable connection; faulty camera.	Check power supply. Verify all video cable connections. If problem persists, contact support.
No audio during communication.	Loose audio cable connection; microphone/speaker obstruction; volume too low.	Check audio cable connections. Ensure microphone and speaker are clear. Adjust volume settings.
Door/gate release not working.	Incorrect wiring to electric strike/gate; faulty electric strike/gate mechanism; insufficient power.	Verify control wiring. Test the electric strike/gate independently. Ensure adequate power supply.
Monitor not responding to touch.	Temporary software glitch; power issue.	Restart the monitor by disconnecting and reconnecting power. If issue persists, contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	CHACON
Model Number	34809
Screen Size	7 inches (178 mm)
Color	Black
Connectivity Technology	Wired
Input Voltage	13.5 Volts
Mounting Type	Wall Mount

Feature	Detail
Material (Outdoor Station)	Aluminum
Special Feature	Full Duplex Communication
Control Type	Touchpad
Water Resistance Level	Not waterproof (Outdoor station includes rain protection)
Max Speaker Output Power	24 Watts
Audio Output Mode	Mono
Power Source	Electric Cable
Box Contents	Aluminum outdoor station with mounting support and rain protection, Indoor monitor.

9. WARRANTY AND SUPPORT

- **Warranty:** This product comes with a Limited Warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.
- **Spare Parts:** Spare parts for this model are available for up to 7 years from the date of purchase.
- **Technical Support:** For technical assistance or further inquiries, please contact CHACON customer support. Contact details can typically be found on the manufacturer's official website or in the product packaging.

