QttyElok V168M4

QttyElok V168M4 Wired Video Intercom System User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your QttyElok V168M4 Wired Video Intercom System. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. This system is designed to enhance home security and communication at your entrance.

2. PRODUCT FEATURES

- **4-Wire Connection System:** Utilizes a 4-core cable for reliable connection between the outdoor camera and indoor monitor, supporting distances up to 100 meters.
- **4.3-inch Color TFT Display:** Provides a clear visual interface for monitoring and communication.
- **25 Selectable Ringtones:** Customize your doorbell sound.
- **Two-Way Hands-Free Intercom:** Enables clear audio communication between the indoor monitor and outdoor unit.
- **Indoor Monitoring:** Allows you to view the outdoor area at any time.
- **700TVL IR Night Vision Camera:** High-resolution COMS camera with infrared night vision for clear visibility in low-light conditions.
- **Durable Outdoor Unit:** Metal camera equipped with a waterproof cover, suitable for outdoor installation.
- **Electric Lock Compatibility:** Supports connection to an electric lock for convenient remote door unlocking from the indoor monitor.
- **"Do Not Disturb" Function:** Mutes the doorbell ring for privacy.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x Outdoor Camera Unit

- 1 x Indoor Monitor Unit

- 1 x Mounting Bracket for Indoor Monitor

- 1 x Power Adapter

- 1 x 4-Core Connection Cable (sample length)

- 1 x Set of Mounting Screws and Wall Plugs

- 1 x User Manual

Image 3.1: Contents of the QttyElok V168M4 video intercom system package, showing the outdoor camera, indoor monitor, mounting bracket, power adapter, connection cable, and mounting hardware.

4. SETUP AND INSTALLATION

Careful installation is crucial for optimal performance. It is recommended to test the system before permanent mounting.

4.1 Wiring Diagram

The system uses a 4-core cable for connection. Ensure correct polarity and secure connections. For distances up to 100 meters, use an appropriate gauge cable. Longer distances may require thicker gauge wiring to

prevent signal degradation.

Image 4.1: Detailed view of the outdoor unit's rear panel, showing the wiring terminals for power, audio, video, and lock connections. Labels indicate Red for Power, Black for GND, Blue for Audio, Yellow for Video, and specific terminals for Lock + and Lock -.

4.2 Outdoor Unit Installation

1. Choose a suitable location near your entrance, ensuring the camera has a clear view of visitors. The unit should be mounted at a height that allows for comfortable viewing by most adults.
2. Mount the outdoor unit using the provided screws and wall plugs. Ensure it is securely fastened.
3. Connect the 4-core cable and any electric lock wiring to the outdoor unit's terminals as per the wiring diagram.
4. The outdoor unit is designed to be waterproof and dustproof (IP55 rated), with resistance to high (+55°C) and low (-35°C) temperatures.

Image 4.2: The outdoor camera unit shown with water droplets, illustrating its IP55 waterproof and dustproof rating, along with its high and low temperature resistance capabilities.

4.3 Indoor Monitor Installation

1. Select a convenient indoor location for the monitor, typically near the main entrance or in a central area.
2. Attach the mounting bracket to the wall using screws.
3. Connect the 4-core cable from the outdoor unit to the indoor monitor.
4. Connect the power adapter to the indoor monitor and plug it into a power outlet.
5. Mount the indoor monitor onto its bracket.

Image 4.3: A comprehensive view of both the indoor monitor unit with its handset and the outdoor camera unit, showcasing their design and relative sizes.

5. Operating Instructions

5.1 Receiving a Call

When a visitor presses the call button on the outdoor unit, the indoor monitor will ring and display the visitor's image. To answer, pick up the handset or press the intercom button on the monitor.

5.2 Two-Way Intercom

After answering a call, you can speak with the visitor through the handset or in hands-free mode. The visitor can also speak to you via the outdoor unit's microphone and speaker.
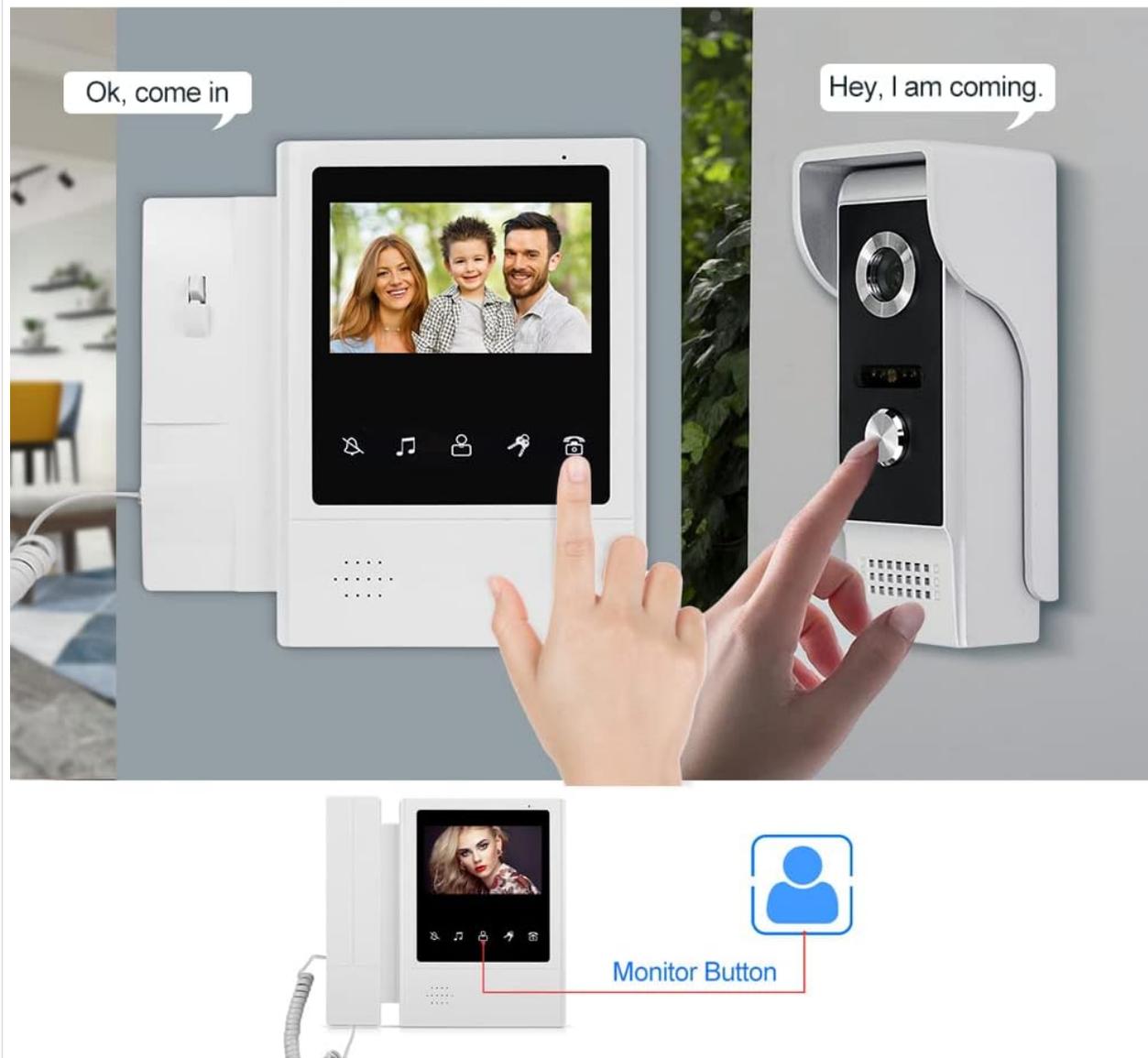
Image 5.1: Illustration of the two-way intercom function, showing a visitor at the outdoor unit and a resident interacting with the indoor monitor, displaying the visitor's image.

5.3 Indoor Monitoring

To view the outdoor area without a visitor pressing the doorbell, press the "Monitor" button on the indoor unit. The screen will display the live feed from the outdoor camera.

5.4 Unlocking the Door

If an electric lock is connected, press the "Unlock" button on the indoor monitor during a call or while monitoring to open the door for your visitor.

5.5 Adjusting Settings

The indoor monitor features controls for adjusting various settings:

- **Ring Cancel:** Mutes the current ring.
- **Ring & Volume Adjustment:** Adjusts the ringtone volume.
- **Intercom Button:** Initiates or answers an intercom call.
- **Unlock Button:** Activates the connected electric lock.

- **Monitor Button:** Activates live outdoor camera view.

- **Intercom Volume Adjustment:** Adjusts the volume during a conversation.

- **Screen Color Adjustment:** Modifies the display color.

- **Screen Brightness Adjustment:** Controls the display brightness.
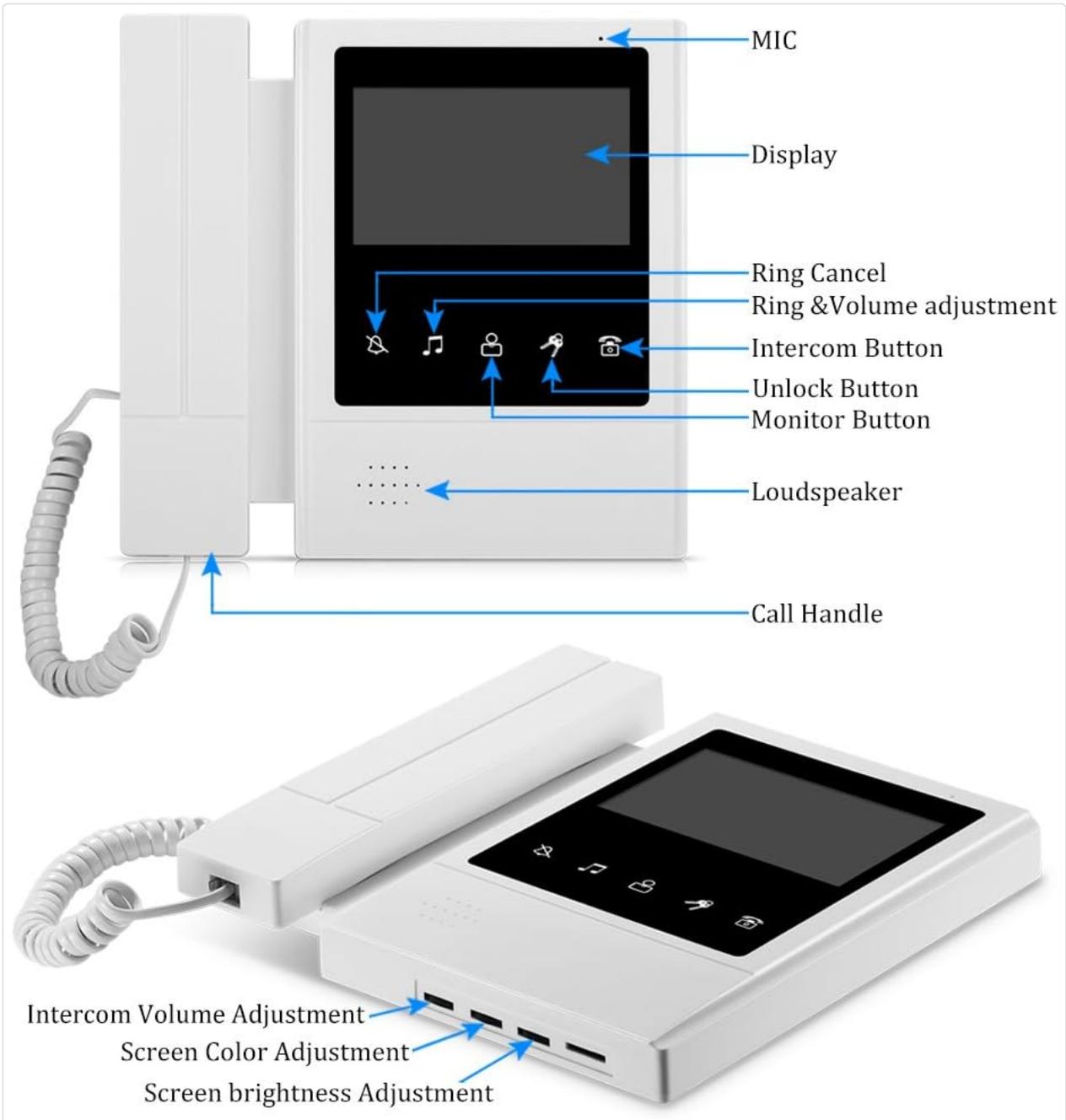

Image 5.2: Close-up view of the indoor monitor, highlighting the various buttons and adjustment dials for microphone, display, ring cancel, ring/volume, intercom, unlock, monitor, loudspeaker, call handle, intercom volume, screen color, and screen brightness.

5.6 Night Vision

The outdoor camera is equipped with IR LEDs for night vision, automatically activating in low-light conditions to provide clear images even in complete darkness.

Image 5.3: Comparison image showing the outdoor camera's view during the day and its infrared night vision capability at night, demonstrating clear visibility in both conditions.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your intercom system.

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitor screen and outdoor camera lens. Avoid abrasive cleaners or solvents.

- **Outdoor Unit:** Periodically check the outdoor unit for any obstructions (e.g., dirt, spiderwebs) on the camera lens or microphone/speaker.

- **Connections:** Ensure all wiring connections remain secure and free from corrosion.

- **Weather Protection:** While the outdoor unit is waterproof, extreme weather conditions may still affect performance. Ensure it is not directly exposed to prolonged heavy rain or direct sunlight if possible.

7. TROUBLESHOOTING

If you encounter issues with your QttyElok V168M4 system, refer to the following common problems and

solutions:

- **No Power to Indoor Monitor:**

    - Check if the power adapter is securely plugged into both the monitor and the wall outlet.
    - Verify the power outlet is functional.

- **No Video on Indoor Monitor:**

    - Ensure the 4-core cable is correctly and securely connected between the outdoor unit and indoor monitor, paying attention to the video wire (Yellow).
    - Check for any damage to the cable.

- **No Audio (Intercom):**

    - Verify the audio wire (Blue) in the 4-core cable is correctly connected.
    - Adjust the intercom volume on the indoor monitor.
    - Ensure the microphones and speakers on both units are not obstructed.

- **Door Lock Not Activating:**

    - Confirm the electric lock is correctly wired to the outdoor unit and the indoor monitor.
    - Ensure the electric lock itself is functional and receiving power.

- **Poor Night Vision:**

    - Clean the outdoor camera lens to remove dirt or smudges.
    - Ensure no objects are blocking the IR LEDs on the outdoor unit.

If these steps do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	V168M4
Manufacturer	QingTianTongYun
Indoor Monitor Display	4.3-inch Color TFT LCD
Outdoor Camera Resolution	700TVL COMS
Night Vision	Infrared (IR) LEDs
Connection Type	4-wire (max 100 meters)
Power Type	AC/DC
Outdoor Unit Protection	IP55 Waterproof, High/Low Temperature Resistance (+55°C / -35°C)
Product Dimensions (L x W x H)	10 x 20 x 20 cm (approximate, for entire system)
Product Weight	1.18 kg (approximate)
Included Components	1 Outdoor Unit (Camera), 1 Indoor Unit (Monitor)

Feature	Specification
Batteries Required	No

Image 8.1: Visual representation of the indoor monitor and outdoor unit dimensions, along with icons summarizing key features like 4.3" TFT LCD screen, monitor function, video intercom, 25 ringtones, unlock function, 700TVL, 4pcs IR LEDs, night vision, rainproof design, and Do Not Disturb mode.

9. WARRANTY AND SUPPORT

Information regarding product warranty and dedicated support channels is not explicitly provided in the product details. For warranty claims or technical assistance, please refer to the documentation included with your purchase or contact your retailer directly.