

TKMARS 016

TKMARS Wireless Video Doorbell Camera with Monitor Screen - Model 016 User Manual

Model: 016 | Brand: TKMARS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TKMARS Wireless Video Doorbell Camera with Monitor Screen. Please read these instructions carefully before using the product to ensure proper function and longevity.

The TKMARS Wireless Video Doorbell system offers high-definition monitoring, two-way audio communication, and a wide-angle camera. It operates independently without requiring an internet connection or mobile application, providing a secure and straightforward user experience.



Image: The TKMARS Wireless Video Doorbell Camera and its accompanying monitor screen.

2. PRODUCT OVERVIEW

2.1 Doorbell Unit Components



Image: Detailed diagram illustrating the components of the doorbell unit, including the camera, doorbell button, and speaker.

- **Waterproof Cover:** Protects internal components from environmental elements.
- **170° Wide-Angle Camera:** Captures a broad field of view.
- **Environmental Sensors:** Detect ambient conditions.
- **LED Fill Light:** Provides illumination for clear images in low light.
- **Doorbell Button:** Activates the system and alerts the indoor monitor.
- **Speaker:** For two-way audio communication.
- **Screw Hole:** For secure mounting.
- **Reset Button:** Used for system reset or pairing.
- **Charging Port:** For recharging the doorbell's internal battery.

2.2 Monitor Screen Components



Image: Detailed diagram illustrating the components of the monitor screen, including buttons and ports.

- **ON/OFF Button:** Powers the monitor on or off.
- **Power Port:** For connecting to an external power source.
- **TF Card Slot:** For inserting a TF (MicroSD) card for video storage.
- **Volume Down/Page Down Button:** Adjusts volume or navigates menus.
- **Volume Up/Page Up Button:** Adjusts volume or navigates menus.
- **Menu/Pairing Key/Return Button:** Accesses menu, initiates pairing, or returns to previous screen.
- **Answer/Hang Up/Confirm Button:** Manages calls or confirms selections.

3. SETUP AND INSTALLATION

3.1 Initial Charging

Before first use, ensure both the doorbell unit and the monitor screen are fully charged. The doorbell has a built-in 1000mAh battery and is rechargeable using a 5V charger. Avoid using fast charging, as it may affect battery life. The monitor screen has a 400mAh battery, primarily for temporary power outages; for long-term use, it is recommended to connect the monitor to a power source via its USB port.

3.2 Pairing the Doorbell with the Display Screen

The doorbell and display screen communicate via 2.4G Bluetooth. It is crucial to pair the devices before final installation to ensure optimal signal strength.

1. Turn on the indoor display screen. Press and hold the "M" key. The display will show "Pairing.....30", indicating it has entered pairing mode.
2. Simultaneously press and hold the doorbell button on the outdoor unit. The working indicator light on the doorbell will flash.
3. When the indoor display shows "Pairing... ✓", the pairing process is successful.

Video: Demonstration of the TKMARS Doorbell Camera Wireless system in operation, showing the monitor screen displaying the doorbell's view.

3.3 Doorbell Unit Installation

The doorbell unit can be installed using the provided 3M adhesive tape or screws.

- **For Wooden or Glass Doors:** Clean the installation area thoroughly to remove dust and debris. Attach the doorbell using the 3M adhesive.
- **For Metal Doors:** It is recommended to install the doorbell on the upper part of the door handle, approximately 1.5-1.6 meters (59-63 inches) from the ground. Adjust the position as needed for optimal viewing.

Video: Step-by-step installation guide for the TKMARS Wireless Doorbell Camera, demonstrating how to mount the unit.

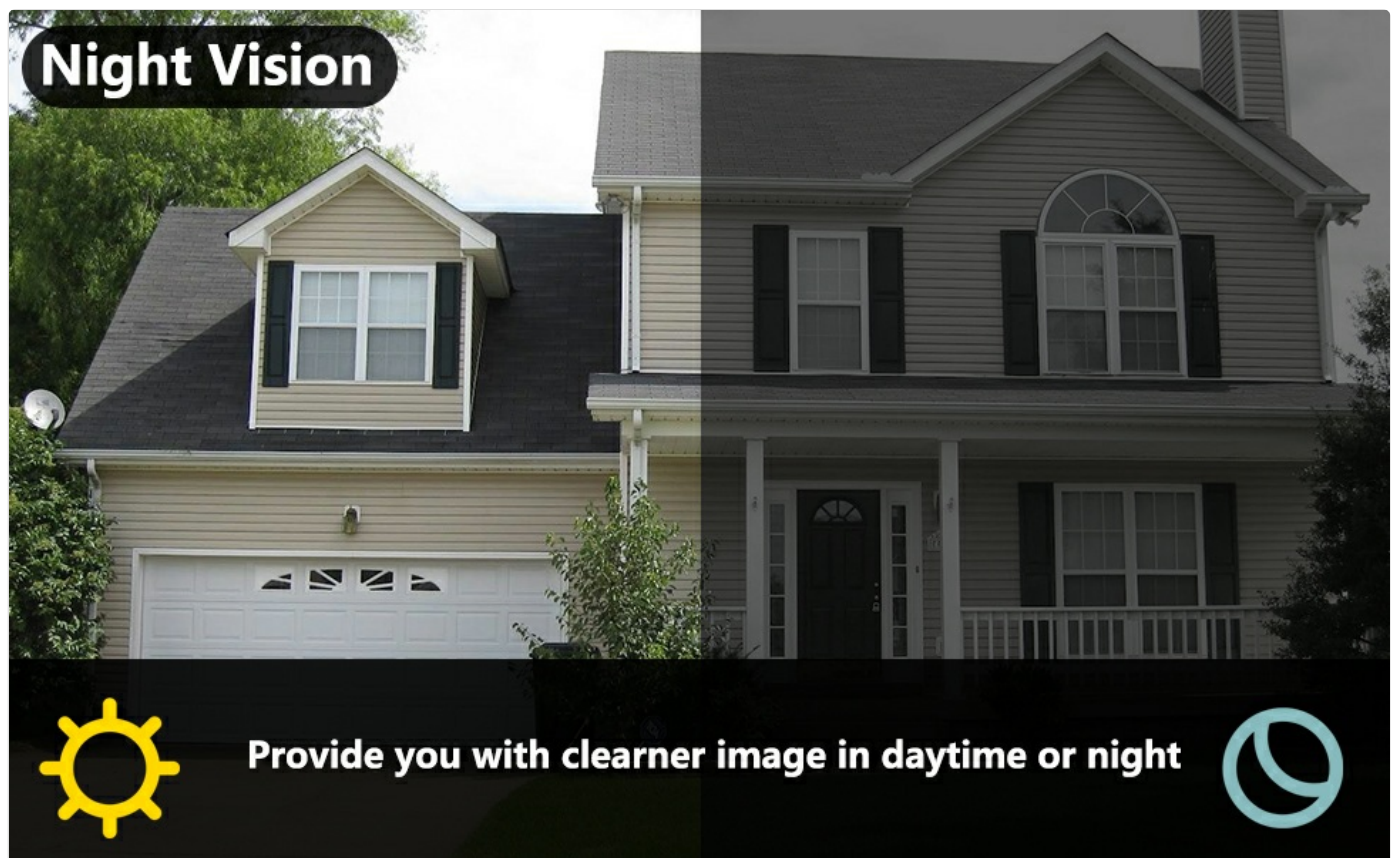


Image: Visual guide showing the simple installation process for both the outdoor doorbell unit and the indoor monitor screen.

3.4 Monitor Screen Placement

The monitor screen can be placed in any convenient indoor location such as the living room, kitchen, or entrance area. Ensure it is near a power source for continuous operation. The monitor operates on 5V power and can be powered using a phone charger or a USB port.

4. OPERATION

4.1 Two-Way Intercom

When a visitor presses the doorbell, the monitor screen will instantly display the live video feed. To communicate:

1. Press the call button on the monitor screen to activate the intercom.
2. To speak, press and hold the call button. Release to transmit your voice. This functions similarly to a traditional walkie-talkie.
3. To end the intercom conversation and return to standby mode, press the call button again.

Note: The indoor screen cannot wake up the outdoor doorbell camera. The intercom function is transmitted via wireless signals; the closer the doorbell and display screen, the stronger the signal. It is recommended to use the intercom only when the distance between the doorbell and the display is more than 3 meters to avoid interference.



Image: An elderly person and children viewing a visitor on the indoor monitor screen, demonstrating the high-definition visual dialogue feature.

4.2 Automatic Recording and Photo Capture

Whenever someone presses the doorbell, the camera automatically captures images or records video, depending on the storage configuration.

- **Without TF Card:** The built-in memory stores up to 50 photos. Once full, the oldest photos are automatically

overwritten.

- **With TF Card (8GB-32GB):** A 20-25 second video is recorded and stored on the memory card when the doorbell is pressed.



Image: Graphic illustrating the automatic recording and photographing capabilities of the doorbell, showing cloud storage and SD card options.

4.3 Viewing Photos/Videos

To access stored media:

1. Press the "M" key to enter the menu.
2. Use the arrow keys (-/V, +/A) to select "Picture Files" or "Video File" icons.
3. Press the call button to open or play the selected file.
4. Press the "M" key to return to the previous page.

4.4 Adjusting Volume

After powering on the display screen, use the "+" or "-" buttons to adjust the volume. The doorbell speaker has a fixed volume. If the sound is too loud, covering the speaker with transparent tape can reduce the volume.

4.5 System Settings

To access and modify system settings:

1. Press the "M" key to enter the menu.
2. Use the arrow keys (-/V, +/A) to select the "Set up" icon.
3. Press the call button to enter settings. Options include:
 - **Language:** Choose from multiple languages.
 - **Brightness:** Adjust the display screen brightness.
 - **Ring Volume:** Adjust the volume of the display screen's ringtone.

- **Version:** View hardware version number.
- **Time Setting:** Set the current date and time.

4. Use the arrow keys to adjust values and the call button to confirm. Press the "M" key to return.

5. FEATURES

5.1 High-Definition 1080P Camera

The doorbell features a 1080P 800W camera, providing clear and detailed images to ensure you can identify visitors effectively.



Image: Close-up view of the doorbell's 800W high-definition camera lens, highlighting its optical components.

5.2 170° Wide-Angle View

A 170° wide-angle lens provides an expansive field of view, allowing for comprehensive monitoring of your doorstep and surrounding area.



Image: A visual representation of the doorbell camera's 170-degree wide-angle capability, showing a broad coverage area.

5.3 Night Vision

Equipped with night vision capabilities, the doorbell camera provides clear images even in low-light conditions, ensuring continuous security day and night.



Image: A split image demonstrating the clarity of the camera's view during both daytime and nighttime conditions.

5.4 IP65 Waterproof Rating

The outdoor doorbell unit is designed with an IP65 waterproof rating, making it resistant to various weather conditions, including rain and dust.



Image: The outdoor doorbell unit shown with simulated rain, emphasizing its IP65 waterproof and weather-resistant design.

6. MAINTENANCE

6.1 Cleaning

Regularly wipe the camera lens and doorbell unit with a soft, dry cloth to ensure clear image quality and proper function. Avoid using abrasive cleaners or solvents.

6.2 Battery Care

To prolong battery life, avoid exposing the devices to extreme temperatures. For the doorbell, use a standard 5V charger and avoid fast charging. For the monitor, keep it connected to a power source for long-term use.

7. TROUBLESHOOTING

- **No Display When Doorbell Rings:** Ensure the monitor screen is powered on and within range. Check battery levels of both units.

- **Weak Signal/Interference:** Walls, windows, and metal objects can weaken the wireless signal. Try to install the equipment in an area with a strong signal. Re-pair the doorbell and monitor in the desired installation area to test signal strength before final mounting.
- **Echo During Intercom:** If the display screen is too close to the doorbell, it may generate echo. Move the display screen further away or lower the volume to reduce noise.
- **Monitor Screen Not Waking Up:** The display screen does not wake up automatically when someone rings the doorbell. It will only activate when the doorbell button is pressed. If there is no operation for 30 seconds, the display screen will automatically turn off. Long press the call button for 3 seconds to wake up the display screen.
- **Short Battery Life:** Ensure both units are fully charged. For the monitor, connect it to an external power source for prolonged use. Avoid fast chargers for the doorbell.
- **No Video Recording:** Ensure a TF card (8GB-32GB) is inserted correctly into the monitor screen. The system only records video with a TF card; otherwise, it captures photos.

8. SPECIFICATIONS

Feature	Specification
Product Dimensions	4 x 2 x 5 inches
Item Weight	15.8 ounces (0.45 Kilograms)
Model Number	016
Brand	TKMARS
Color	Black
Camera Resolution	1080P 800W
View Angle	170°
Doorbell Battery	Built-in 1000mAh (rechargeable via 5V charger)
Monitor Battery	Built-in 400mAh (1000mAh polymer battery for 1-3 months standby)
Display Screen Size	4.3-inch IPS
Wireless Connectivity	2.4G Bluetooth
Wireless Range (Open Area)	50-80 meters
Wireless Range (With Obstacles)	5-30 meters
Waterproof Rating	IP65
Storage	Internal (50 photos, loop coverage), TF Card (8GB-32GB, not included)

9. WARRANTY AND SUPPORT

For any product-related inquiries, technical support, or warranty claims, please contact TKMARS customer service. Refer to the product packaging or the official TKMARS website for contact information.

Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question