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› SIMBAILAI 7-inch Wireless Video Intercom System User Manual

## SIMBAILAI B07QL2P9YF

# SIMBAILAI 7-inch Wireless Video Intercom System User Manual

Model: B07QL2P9YF

## 1. PRODUCT OVERVIEW

The SIMBAILAI 7-inch Wireless Video Intercom System provides a secure and convenient way to monitor your entrance and communicate with visitors. Featuring a 7-inch indoor monitor and an IP55-rated outdoor unit, this system offers clear video, two-way audio, night vision, and motion detection capabilities.



Image: The SIMBAILAI 7-inch Wireless Video Intercom System, featuring the indoor monitor on the left displaying a family, and the outdoor unit on the right with a doorbell button and camera.

## Key Features:

- **Extended Wireless Range:** Operates up to 500 meters in open fields, though effective range may be reduced by walls or metal structures.
- **Door Release Function:** The outdoor station supports door opening via the indoor monitor, allowing integration with existing door openers.
- **IP55 Water Resistance:** The outdoor unit is rated IP55 for water and dust resistance, ensuring reliable operation in various weather conditions.
- **Flexible Power Options:** Both indoor and outdoor units can be powered by lithium batteries (up to 1050 hours standby for outdoor unit) or connected to a power outlet for more stable operation.
- **High-Quality Camera & Night Vision:** Features a 100° wide-angle outdoor camera with automatic infrared night vision LEDs for clear visibility in low light.
- **Motion Detection & Snapshot:** The outdoor unit can detect motion, automatically activating the monitor and taking snapshots of visitors. Manual snapshot function is also available.
- **Image Storage:** Stores up to 100 photos with date and time stamps for review at any time.
- **Tamper Alarm:** The outdoor unit includes a tamper alarm that sounds if unauthorized attempts are made to remove it.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installation and operation to ensure safe and proper use of the device.

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Ensure all cables are properly connected and secured to prevent tripping hazards or damage.
- Use only the power adapters and batteries specified by the manufacturer.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from strong magnetic fields.
- Ensure the outdoor unit is installed with its rain cover to protect it from weather elements.

## 3. PACKAGE CONTENTS

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Please check the package contents upon unboxing to ensure all items are present:

- 1 x 7-inch Indoor Monitor
- 1 x Outdoor Unit (Doorbell Camera)
- 1 x Rain Cover for Outdoor Unit
- 2 x Rechargeable Lithium Batteries (for indoor and outdoor units)
- 2 x Power Adapters (for indoor and outdoor units)
- Mounting Screws and Wall Anchors
- User Manual

## 4. INSTALLATION GUIDE

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### 4.1. Outdoor Unit Installation

The outdoor unit should be installed in a location that provides a clear view of your entrance and is protected from direct sunlight. The recommended installation height is between 1.4 meters and 1.7 meters from the ground.

## Installationsanleitung



Die empfohlene Installationshöhe des Außengeräts beträgt 1,4 m ~ 1,7 m, und das Außengerät sollte direktes Sonnenlicht vermeiden.



**Hinweis: Das Außengerät muss mit einem Regenschutz ausgestattet sein, um ordnungsgemäß zu funktionieren.**

- Bohren Sie die entsprechenden Löcher in die Wand gemäß der Maßzeichnung, setzen Sie die Kunststoffdübel ein und befestigen Sie den Regenschutzschale mit der Schraube an der Wand.
- Schließen Sie das Ladekabel gemäß dem Verdrahtungsplan an (der Lochdurchmesser sollte 16 mm bis 30 mm betragen). Wenn Sie das Gerät in Innenräumen aufladen, führen Sie das Netzkabel durch dem Wandloch. Wenn Sie das Gerät im Freien aufladen, führen Sie das Netzkabel von der Unterseite des Regenschutzschalls und verkabeln.
- Legen Sie eine wiederaufladbare Lithiumbatterie (EB-1G6LLU) in das Außengerät ein und das Gerät wird nach dem Einlegen automatisch eingeschaltet.
- Schieben Sie das Außengerät von oben gezeigt in den Regenschutzschale und drücken Sie es nach unten. Vergewissern Sie sich, dass die Oberseite festgeklemmt wird, und befestigen Sie die Unterseite dann mit den mitgelieferten Schrauben. Bringen Sie die Schraubenabdeckung an. (Hinweis: Das Außengerät muss mit einem Regenschutz ausgestattet sein, um ordnungsgemäß zu funktionieren.)

Image: Installation instructions for the outdoor unit, illustrating the recommended height (1.4m-1.7m) and the necessity of the rain cover.

1. Drill the appropriate holes in the wall according to the dimension drawing provided in the manual. The hole diameter for wiring should be between 16 mm and 30 mm.
2. Insert the plastic wall anchors into the drilled holes.
3. Attach the rain cover to the wall using the supplied screws.
4. If connecting to a power outlet, route the power cable from the bottom of the rain cover.
5. Insert a rechargeable lithium battery (EB-1G6LLU) into the outdoor unit. The device will automatically turn on.
6. Slide the outdoor unit into the rain cover from the top, pushing it down until it clicks into place. Ensure the top is securely clamped.
7. Secure the bottom of the outdoor unit to the rain cover using the supplied screws.
8. Attach the screw cover to conceal the screws.

Image: Visual guide for installing the outdoor unit (top row, steps 1-4) and the indoor unit (bottom row, steps 1-3). Upon

successful outdoor unit installation, the call button will light up blue for 2 seconds.



Image: The outdoor unit of the video intercom system is shown mounted on a white brick wall, positioned next to a dark brown entrance door.

## 4.2. Indoor Unit Installation

The indoor unit can be placed on a desk or mounted on a wall. Ensure it is within the effective wireless range of the outdoor unit.

1. Open the battery compartment on the back of the indoor unit.
2. Insert the rechargeable lithium battery into the compartment, ensuring correct polarity.
3. Close the battery compartment. The indoor unit will power on.

## 7 Zoll Bildschirm



Image: The 7-inch indoor monitor is displayed on a kitchen counter, showing a family photo on its screen, highlighting its display capabilities.

### 4.3. Wireless Signal Considerations

The system operates on a 2.4 GHz signal. The effective range can be up to 500 meters in open conditions without obstacles. However, walls, especially metal objects like iron gates, can significantly reduce the signal strength.

## 2,4 GHz Signal

Normaler Gebrauch von der ersten bis zur dritten Etage

**Reichweite bis zu 500 m unter offenen Bedingungen (Ohne Hindernisse)**



Image: A diagram illustrating the 2.4 GHz signal transmission from the outdoor unit through an inner and outer wall to the indoor monitor, indicating a range of up to 500m in open conditions.

# Drahtlose Video Gegensprechanlage

## Anwendbare Szenarien und Installationsanweisungen

### Verlegehinweis:

Testen Sie vor der Installation die optimale Signalposition des Außengeräts und des Innengeräts und installieren Sie sie dann. (Wenn das Signal nicht gut ist, passen Sie die Position des Innengeräts an und wählen Sie die beste Signalposition aus.)

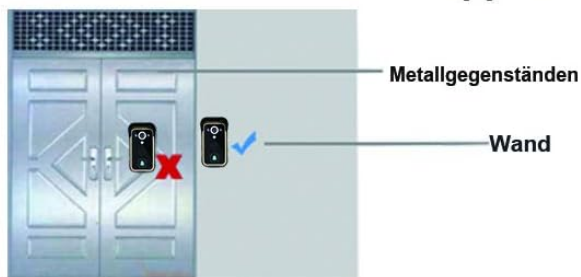


### Installation für Villa mit Umfassungsmauer:

Es wird empfohlen, das Außengerät auf der linken Seite des rechten Zauns zu installieren. Je kleiner die Anzahl der Wände ist, durch die das Signal verläuft, desto größer ist die vom Signal abgedeckte Fläche. Nicht auf der Stütze installieren. Es wird empfohlen, das Innengerät in der Nähe des Fensters im zweiten Stock zu installieren.



### Tipps für die Installation neben des Eisentores:



#### 1, Nicht auf Metallgegenständen installieren.

( Die Installation an Metallobjekten reduziert das Signal um ca. 80% );

#### 2. Zwischen dem Innengerät und dem Außengerät müssen Gegenstände vermieden werden.

Sie können die Position des Innengeräts anpassen, um diese Situation zu vermeiden.

Image: This diagram provides guidance on optimal placement for the wireless video intercom system, showing how to avoid signal interference from metal objects and walls, and suggesting testing signal strength before final installation.

### Installation Tips:

- **Test Signal Strength:** Before final installation, test the optimal signal position for both the outdoor and indoor units. Adjust the indoor unit's position if the signal is weak.
- **Avoid Metal Objects:** Do not install the outdoor unit directly on metal objects (e.g., iron gates), as this can reduce the signal by approximately 80%.
- **Minimize Obstacles:** Avoid placing large objects between the indoor and outdoor units that could obstruct the wireless signal. Adjust the indoor unit's position to minimize such obstructions.

- **Villa with Boundary Wall:** For villas with boundary walls, it is recommended to install the outdoor unit on the left side of the right fence. The fewer walls the signal passes through, the larger the covered area. Do not install on support structures. It is recommended to install the indoor unit near a window on the second floor for better signal reception.

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Operation

- **Answering a Call:** When a visitor presses the call button on the outdoor unit, the indoor monitor will ring and display the visitor's image. Press the 'Answer' button on the indoor monitor to establish two-way communication.
- **Door Release:** If connected to an electronic door lock, press the 'Unlock' button on the indoor monitor to open the door for your visitor.
- **Monitoring:** You can manually activate the outdoor camera view on the indoor monitor at any time to check your entrance.

### 5.2. Motion Detection

The outdoor unit is equipped with a motion detection function. When enabled, if someone moves in front of the camera, the system will automatically activate the indoor monitor and take snapshots.

## automatische Bewegungserfassung

*Wenn sich jemand vor der Kamera bewegt, schaltet das ausgerüstete Bewegungserkennungssystem automatisch den Monitorbildschirm und nimmt die Fotos automatisch oder manuell auf.*



*Bild mit automatische Bildunterschriften von Bewegungserkennungssystem*

Image: This diagram illustrates the automatic motion detection feature, showing how the system activates the monitor and captures images when movement is detected in front of the outdoor camera.

You can also manually trigger a snapshot at any time. All captured images are stored with date and time stamps and can be reviewed on the indoor monitor. The system can store up to 100 photos.

### 5.3. Night Vision

The outdoor unit features infrared night vision LEDs that automatically activate in low-light conditions. This ensures clear visibility of visitors even in complete darkness, enhancing security.



**klare Nachtsicht**  
zwei Infrarot-Nachtlicht

*Mit der Infrarot-Nachtsicht-Erkennungstechnologie können Sie die Flurszene auch in der dunklen Nacht sehen, um die Sicherheit des Hausherrn zu gewährleisten.*

**Regendichte Schale der Türklingel**  
**Schutzart IP55, effektiv regendicht, staubdicht, um die Klarheit der Kamera zu gewährleisten;**

**Außeneinheit mit einer Regenschutzschale ausgestattet sein muss, kann das Produkt normal betrieben werden**

Image: This diagram highlights the clear night vision capability with two infrared night lights and the IP55 rainproof and dustproof shell of the outdoor unit, ensuring camera clarity and functionality in dark or wet conditions.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitor and outdoor unit. Do not use abrasive cleaners or solvents.
- **Battery Care:** If using battery power, ensure batteries are charged regularly. For optimal battery life, avoid extreme temperatures.
- **Outdoor Unit Protection:** Regularly check that the rain cover is securely in place and free from debris to ensure proper protection for the outdoor unit.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No signal or weak signal between units.	Too far apart, obstacles (walls, metal), interference.	Reduce distance between units. Relocate indoor unit to a position with fewer obstructions. Avoid installing outdoor unit on metal surfaces.
Outdoor unit not turning on.	Battery depleted or not inserted correctly. Power adapter not connected.	Charge or replace battery. Ensure battery is inserted with correct polarity. Connect power adapter.
Indoor monitor screen is blank.	Battery depleted. Unit is off.	Charge battery or connect to power. Press power button to turn on.
No image from outdoor camera.	Poor signal. Camera lens obstructed.	Check signal strength. Clean camera lens.
Motion detection not working.	Feature not enabled. Sensor obstructed.	Check settings on indoor monitor to ensure motion detection is active. Clear any obstructions from the sensor area.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	SIMBAILAI
Connectivity Technology	Wireless
Special Feature	Motion Detector
Power Source	Battery Powered
Controller Type	Push Button
Mounting Type	Outdoor Unit: Wall; Indoor Unit: Desk/Wall
Color	Wireless
Number of Items	1
Number of Channels	4
Recommended Product Use	Supports both wired and battery power supply modes.

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product

or contact SIMBAILAI customer service directly. Contact details can typically be found on the product packaging or the manufacturer's official website.

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