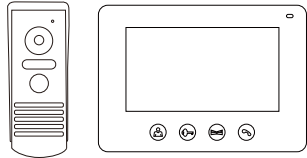


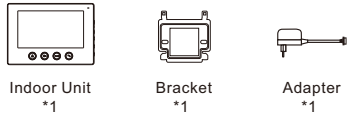
# WIFI AHD VIDEO DOORPHONE USER MANUAL



RL-17F-TY  
RL-A17F-TY  
RL-B17F-TY  
RL-D17F-TY

Version 1.2

## What's Included



Indoor Unit \*1  
Bracket \*1  
Adapter \*1



Outdoor Unit \*1  
Rain shade \*1  
Screw Pack



15m cable \*1  
(optional)

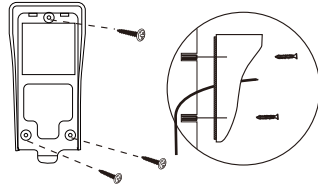
## Features

- With the Tuya Smart APP, you can remotely monitor, intercom and unlock.
- Two million pixels HD camera.
- 16 melodies for option.
- Electric lock and gate lock connection.

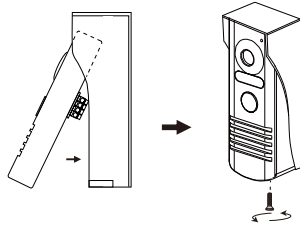
## Installation Instruction

### A. Outdoor unit installation

1. Fasten the rain shade on the wall with screws. (1.4-1.6m high from the ground, Screw size: 4\*30BA)

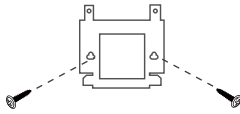


2. Connect the wires according to the wiring diagram.
3. Fix into the rain shade and fasten the bottom with screws. Finally seal the screw hole with the enclosed silicone cap.

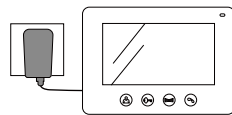


### B. Indoor unit installation

1. Fix the bracket on the wall with screws. (1.4-1.6m high from the ground)



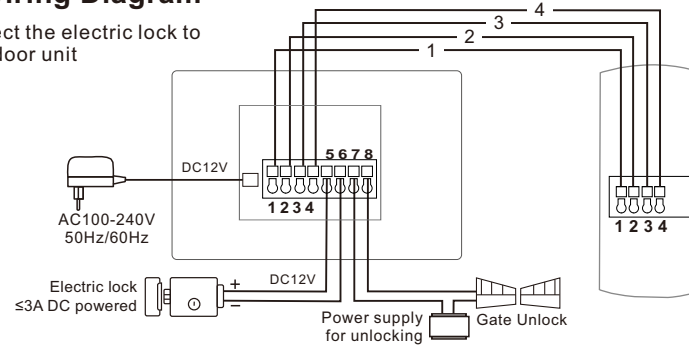
2. Connect the wires according to the wiring diagram.
3. Hang on the bracket.
4. Connection to power source.



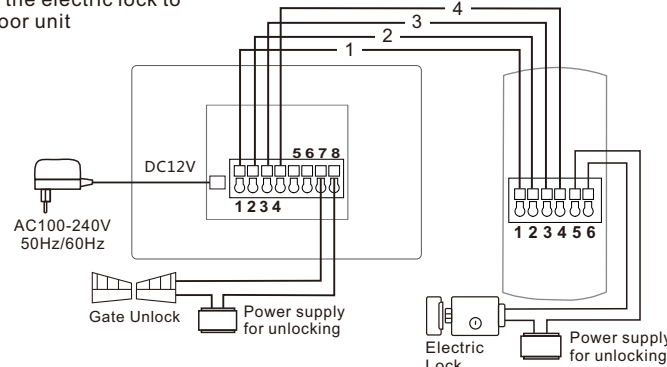
5. This indoor unit can connect with the home router through WiFi. High-power home router is recommended if the router's signal is too weak to cover the installation area (Only support 2.4G WiFi).

### C. Wiring Diagram

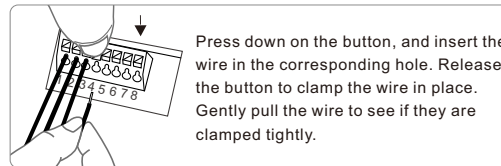
Connect the electric lock to the indoor unit



Connect the electric lock to the outdoor unit



### How to attach wires to terminals



Press down on the button, and insert the wire in the corresponding hole. Release the button to clamp the wire in place. Gently pull the wire to see if they are clamped tightly.

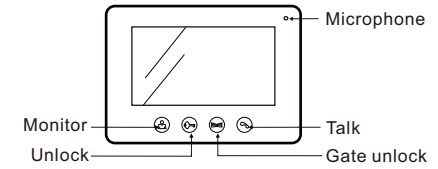
- 1 : Audio wire
- 2 : Ground wire
- 3 : Video wire
- 4 : Power wire

### NOTE:

- The connecting wire between the indoor and outdoor units:
  - Distance 0 - 15m: RVV4×0.3 mm<sup>2</sup>
  - Distance 15 - 30m: RVV4×0.5 mm<sup>2</sup>
- Connection: Terminals 1/2/3/4 on the outdoor unit to terminals 1/2/3/4 on the indoor unit.
- Terminals 5/6 on the indoor unit are used to connect the electric lock and terminals 7/8 are used to connect the gate lock. When connecting, use the RVV2×1.0 mm<sup>2</sup> cable and the cable length should be ≤15m.
- Connecting the electric lock with both the indoor and outdoor unit at the same time is prohibited.
- Before pressing the Electric Lock or Gate Unlock button, terminals(5/6 on the outdoor unit or 7/8 on the indoor unit) are in the "Normally Open" state. When pressing down the button, terminals are "shorted and connected". The terminals are used to connect the electric lock that works in <30V, <3A, however, additional power supply for the lock to work is required.
- Lock and power supply for unlocking are not supplied.

## Operation Instruction

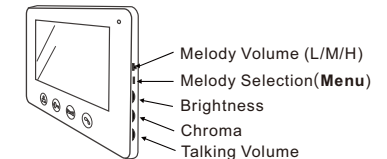
### Indoor unit



- a. When the visitor presses **CALL** button on the outdoor unit, both the indoor unit and mobile phone will ring and display the visitor's image on the screen. Press **TALK** button on the indoor unit to talk with the visitor. The talking time is 120s. During the 120s, you can:
  - Press **UNLOCK** button to release the electric lock or
  - Press **GATE UNLOCK** button to release the gate lock, or
  - Press **TALK** button to hang up.



- b. If answering through the mobile phone, the indoor unit will stop ringing. During the communication, pressing any button on the indoor unit will be invalid. After hanging up the call on the mobile phone, the indoor unit will return to operable. When answering through the mobile phone, you can unlock remotely.








- c. Press **MONITOR** button on the indoor unit to monitor the outdoor unit(60 seconds). Press it again to exit. Press **MONITOR** button + **TALK** button to talk to the outdoor unit. During the time, you can also unlock.



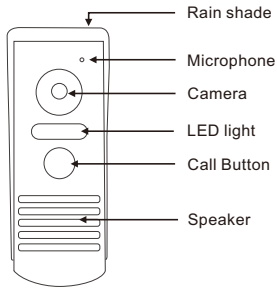
- d. Use the potentiometer knobs on the right side of the indoor unit to adjust the indoor unit's **BRIGHTNESS**, **CHROMA** and **TALKING VOLUME**.

- e. Press **MELODY SELECTION** button to cycle through the different tones available for the doorbell in the monitor mode. There are 16 cord ringtones for option.

f. In Standby mode, press and hold the Melody Selection (  ) button for 3 seconds to enter to the **Menu**. Press (  ) again to exit (If no any operation, it will automatically exit after 30 seconds).

-  **Ring** : 16 melodies selectable.
-  **Unlock Time** : 1-10s selectable.
-  **Language**
-  **Restore To Default**
-  **Restart system**
-  **About**
-  **Net pairing Mode** : Used for APP network configuration.

## Outdoor Unit



## NOTICES

- Turn off the power before wiring.
- After installation, if the product doesn't work/mobile phone is unable to connect, check if wires are connected properly and securely.
- Use a slightly damp soft cloth to clean the camera or screen.
- The outdoor unit must not be directly exposed to sunlight.
- If it is unable to unlock, check if wires are connected properly and securely. Also, make sure the voltage for unlocking is sufficient.
- The image quality may be interfered by strong electromagnetic signals, therefore, when using the product, avoid the electromagnetic sources such as motor and transformer and make sure the circumstance is barrier-free and no interference.

## APP Operation Instruction

### A. Downloading the APP

1. Go to APP Store or Google Play to download the "TuyaSmart" APP. After download, install it.
2. Or, scan the QR code below to download and then install it.



TuyaSmart

Android 5.0 / iOS 8.0 or higher

### B. Add the Device

#### 1. Connect to the WiFi

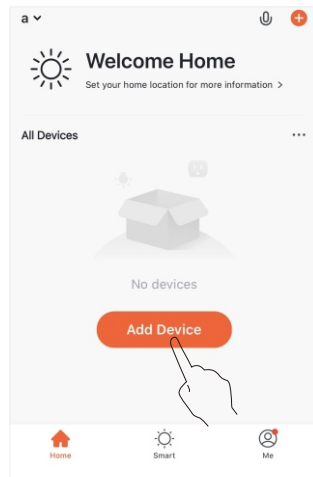
Make sure your mobile phone has been connected to the 2.4GHz WiFi, then open the "TuyaSmart" APP (Note that 5GHz WiFi is not supported).

#### 2. Register a TuyaSmart account

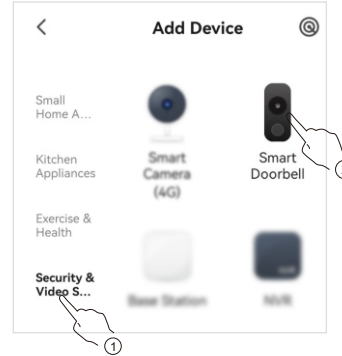
Follow the instructions on the APP to complete the account registration. Once done, it will show the "Welcome Home" page as below.

#### 3. Select the Device Type

- 1). Tap Add Device



- 2) Security & Video Surveillance >> Smart Doorbell.




#### 4. Select the Network Configuration Method

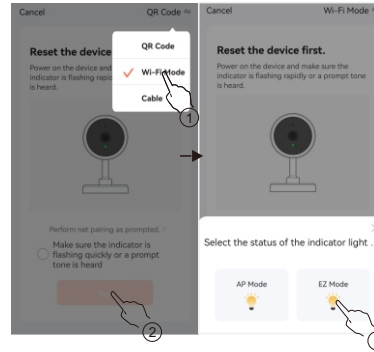
Select one of the following two methods.

##### 4a. EZ Mode

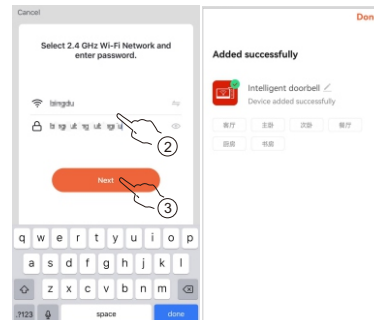
(Default mode on the indoor unit menu)

On the APP:


- 1) Tap "  " at the upper right corner of the page. Select "Wi-Fi Mode" from the drop-down menu, tap "NEXT".
- 2) Select "EZ Mode" on the pop-up window.




- 3) Enter the SSID and password of your 2.4GHz WiFi router, and then tap "Next".
- 4) The App will start to add the device. Once done, it will display "Added" as below.

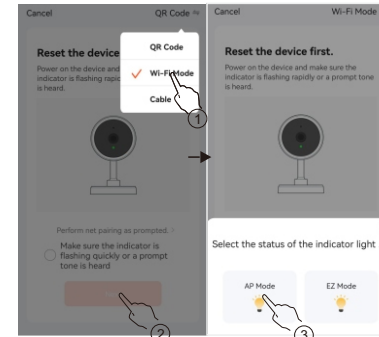


#### 4b. AP Mode

**b1.** On the indoor unit, select AP Mode by following the method below:  
Press and hold the Melody Selection (  ) button for 3 seconds to enter to the Menu. Then, go to the Net Pairing Mode and select AP Mode, then tap "OK",  
...Wait until the restart is complete.

**b2.** On the APP:

- 1) Tap "  " at the upper right corner of the page. Select "Wi-Fi Mode" from the drop-down menu, tap "NEXT".
- 2) Select "AP Mode" on the pop-up window.



- 3) Enter the SSID and password of your 2.4GHz WiFi router, and then tap "Next".
- 4) Connect your mobile phone to the device's hotspot, the default hotspot password is **12345678**.
- 5) After connecting to the hotspot, go back to the app and continue to add the device.
- 6) The App will start to add the device. Once done, it will display "Added".

#### NOTE:

- The step-by-step instructions on the app may slightly vary due to the app update. Simply follow the actual instructions on the app when adding the device.
- Once you add the device successfully, it will be bound to your Tuya account and other people are not able to add it. In this situation, you can share the device to other people. Only when you remove the device from your Tuya account, other people can use their Tuya account to add it.

## Specifications

Screen Resolution	1024*600
Power Consumption	Static State <3.5W, Working State <8W
Volume	≥75dB ( 0.3m )

Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	10%~90%(RH)
Camera	2 million pixels/ 1080P
View angle	80° ±1°
Adapter *	Input: AC100-240V Output: DC12V 1~2A

**\* NOTE:**  
Actual specification may vary, please refer to the label on the power adapter supplied.

## FCC Warnings

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference  
(2) this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

**NOTE:**  
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.  
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.  
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
-Reorient or relocate the receiving antenna.  
-Increase the separation between the equipment and receiver.  
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
- Consult the dealer or an experienced radio/TV technician for help.

