

FIG.10 outdoor station backview

No.	Function Description
①	camera
②	horn hole
③	nameplate
④	call button
⑤	microphone

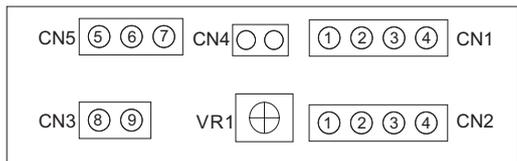


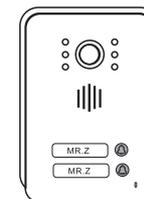
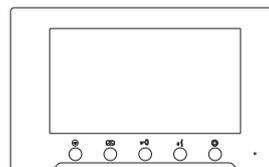
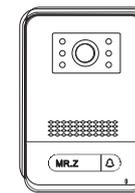
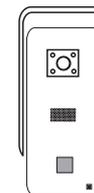
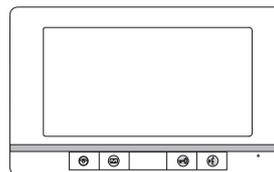
FIG.11 Rear view of outdoor station

► **Description of the outlet of the outdoor station:**

- ◆ 1.audio 2.gnd 3.vcc 4.vi 5.nc 6.com 7.no 8.gnd 9.12v
- ◆ CN1:connected to the indoor monitor 1
- ◆ CN2:connected to the indoor monitor 2
- ◆ CN3:connected to the dc 12v power
- ◆ CN4:connected to the button outlet
- ◆ CN5:connected to the lock. "nc" and "com" are connected to magnetic lock, "no" and "com" are connected to electronic lock.
- ◆ VR1: switch to adjust the volume. clockwise is up, counterclockwise is down.

WiFi Video Doorbell

User Manual



1. Product introduction

1.1 The indoor unit adopts ultra-thin design, UI interface, multi-point capacitive touch screen, stable and easy to operate.

1.2 Indoor unit with camera, video, visitor record, message, ring back tone, motion detection, calendar function, TF memory card (max 64G).

1.3 Indoor unit with monitoring, intercom, unlocking, photo or video playback; indoor unit with adjustable volume, brightness, contrast and color, locking delay adjustment, 10 ringtones to choose from, multi-language OSD menu. The system supports 6 different languages: English, Russian, French, Spanish, German and Simplified Chinese.

1.4 The indoor unit is powered by a 12V/1A DC power supply and a 1024*600 high-definition touch screen.

1.5 The indoor unit can be connected to wireless WIFI, can support the connection of 5 mobile APP users, the mobile phone can monitor and unlock, it can also support the communication between visitors and Tuya Smart APP, which means you can talk to them anytime, anywhere.

1.6 You can manually take pictures, video and unlock on the mobile phone APP, check the internal phone call records, message records, motion detection and alarm records.

1.7 The door machine is anti-oxidation, dust-proof and rain-proof, wear-resistant unit, with rain cover, wall installation is more convenient.

1.8 The door phone has a built-in 1080P camera, which automatically fills in light. 1080P/2.0MP resolution high-definition camera, viewing high-resolution images more clearly, clearer and more detailed than analog CVBS video.

1.9 Can be directly connected to a variety of electric locks, with unlocking delay settings.

1.20 It can support 1 drag 1-6 and 2 drag 1-6, independent one-to-one call intercom between internal phones.

1.21 The 100m connecting wire needs RVV4x1.5 wire diameter, the 75m connecting wire needs RVV4x1.0 wire diameter, the 50m connecting wire needs RVV4x0.75 wire diameter, and the 30m connecting wire needs RVV4x0.5 wire diameter.

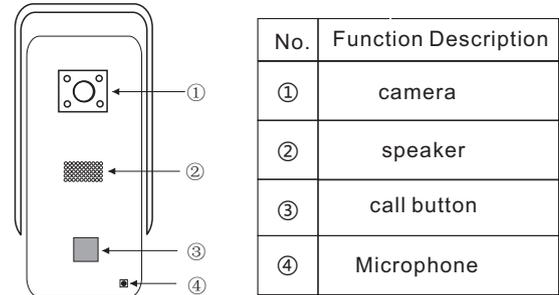


FIG.8 outdoor station backview

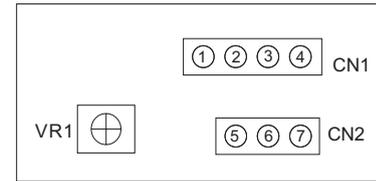


FIG.9 Rear view of outdoor station

► Description of the outlet of the outdoor station:

- ◆ 1.audio 2.gnd 3.vcc 4.vi 5.nc 6.com 7.no
- ◆ CN1: connected to the indoor monitor
CN2: connected to the lock. NC and COM are connected to magnetic lock, NO and COM are connected to electronic lock.
- ◆ VR1: switch to adjust the volume. clockwise for up, anticlock for down.

Note: The illustrations and screen displays in this manual are used to describe the operation of the product more directly and in detail. Due to different version upgrades and production batches, they may be a little different from your machine. If mentioned, the content in this manual does not match you. Machine, please refer to our machine.

11.Outdoor station:

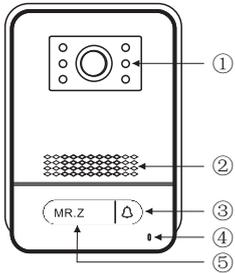


FIG.6 outdoor station backview

No.	Function Description
①	camera
②	horn hole
③	call button
④	microphone
⑤	nameplate

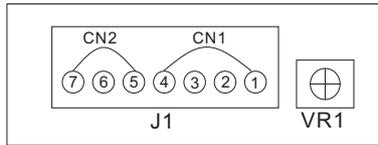


FIG.7 Rear view of outdoor station

► Notes for outdoor station:

- ◆ 1.audio 2.gnd 3.vcc 4.vi 5.nc 6.com 7.no
- ◆ CN1: connected to the indoor monitor
CN2: connected to the lock. NC and COM are connected to magnetic lock, NO and COM are connected to electronic lock.
- ◆ VR1: switch to adjust the volume. clockwise for up, anticlock for down.

2.Product appearance

(the appearance, size, function of the product may be different from the actual product, the actual product shall prevail)

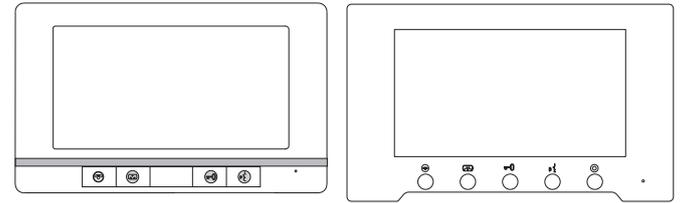


FIG. 1 front view

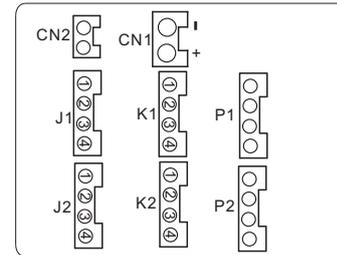


FIG. 2 back view

► Notes for indoor monitor:

- ◆ CN1: power DC 12V, the negative “-” and the positive “+”.
- ◆ CN2: lock switch interface, connection to the lock.
- ◆ J1: to the outdoor station 1 J2: to the outdoor station 2
1.audio(red) 2.gnd(blue) 3.v+(yellow) 4.video(white)
- ◆ K1: to the camera 1 K2: to the camera 2
1.Alarm(red) 2.gnd(blue) 3.v+(yellow) 4.video(white)
- ◆ P1: indoor monitor input
- ◆ P2: indoor monitor output,connection to the next indoor monitor input.

► Shortcut icon function:

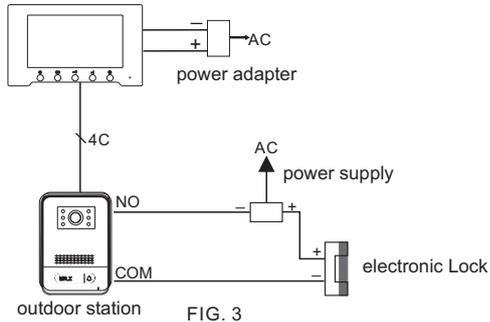
Hang up or return
 Monitor
 Talk
 intercom call

unlock outdoor station or Press and hold for three seconds to unlock the indoor unit.

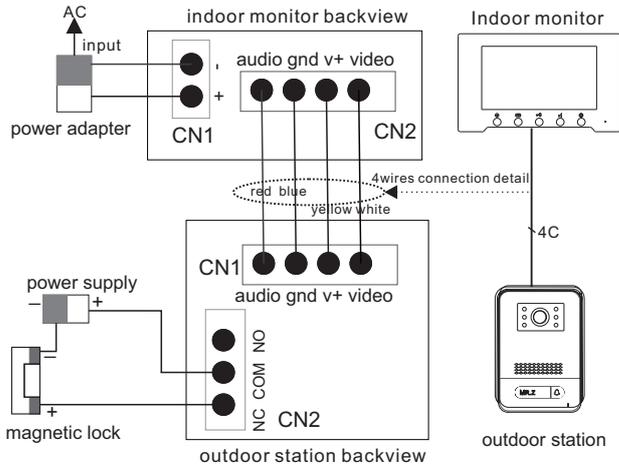
4-wire villa intercom system diagram 1

Standard Set Diagram

(1 outdoor station for 1 indoor monitor):



Detailed connection diagram



10.3 APP network distribution mode

A, AP Mode for connectin wifi

1. Connect the mobile phone to the WIFI network (2.4G).
2. Select "AP Mode" on the indoor unit (default).
3. Open the "Tuya Smart" APP, the icon in the upper right corner --> Security Sensing --> Smart Camera --> In the upper right corner, select "AP Mode" --> Enter the user name and password of the current WIFI network --> Go to connect The WIFI hotspot of the device (the machine has the SSID and password of the WIFI hotspot). After the hotspot is successfully connected, return, and the phone will automatically enter the network configuration interface to start configuring the network-->after the network configuration is successful-->complete.

B. Delete the distribution network.

Delete the added device through the APP, and then the indoor unit will automatically restart and restore the production settings.

10.4 How to Share to additional users.

Note: New home members need to register the new account,

The steps of the share to additional users as the below:

- Open the "TUYA SMART" APP on the mobile phone ----- click "me" ----- click "home management" ----- click "my home" to enter the "Home Setting" ----- click "Add Member" ----- click "App Account" ----- input the registered user name and account(email or phone number) and Save it. You will find the new additional users at the "Home Setting".

7. Electric lock setting

The indoor unit has buttons for door opening machine lock and gate lock, and supports remote unlocking by mobile APP. The door phone lock can adjust the unlocking delay time through the indoor unit. The user can select "Settings" in the main interface, and then select "Voice phone settings" to adjust the unlocking delay time.

8. TF card function

The TF card is used for video or picture recording. When someone press the doorbell, the monitor inserted into the TF card will automatically record the picture or video. Using TF card, you can set the recording mode to video or photo. When the TF card is full, the earliest recorded video or photo will be automatically deleted.

9. IP video intercom

With the latest IP technology, when a visitor presses the doorbell, your phone will receive an APP notification, you can talk to the person outside the door, and even remotely unlock it from anywhere with your smartphone. You can also take photos or videos on your phone. After you leave home, you can also actively monitor your mobile phone APP and check your home status in real time.

10. Indoor unit distribution network

10.1 Overview

The third-party cloud service used by this product is "Tuya Smart", which supports 2 network distribution modes, WIFI quick connection mode and WIFI AP mode.

10.2 Steps of distribution network

First download the "Tuya Smart" APP in the application market and register an account.

Step 1: Turn on the corresponding network distribution mode on the indoor unit, set 1-->Network Setting 2-->Network Configuration Mode 3.

(Note: Switching the network configuration mode requires restarting.)

Step 2: After selecting the network configuration mode, select the corresponding network configuration method on the APP to enter the network configuration.

4-wire villa intercom system diagram 2

► Extension Connection Diagram (2 outdoor station for 2 indoor monitors):

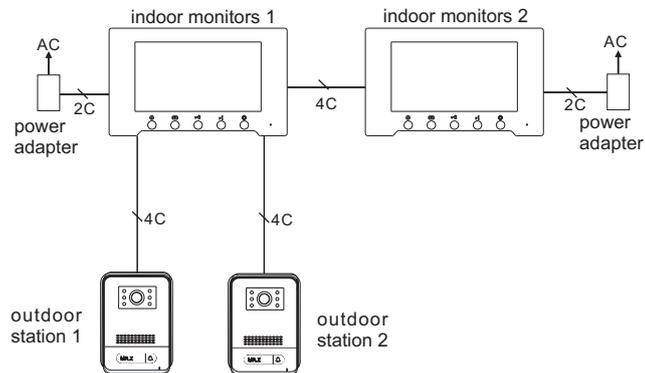


FIG. 5

3. System Settings

3.1 Setting Device ID for additional monitors connected

Set main monitor ID for 1, if it isn't already done so (factory setting is set on 1). On additional Monitors, set the device IDs by changing the device ID from 1 to 2,3, 4, 5, 6 by doing the following:

- 1) Go to Menu, Select Settings.
- 2) Select System Settings.
- 3) At the very top, device ID is located, set device id accordingly by pressing on angle bracket .

3.2 outdoor station settings

The user can select the "outdoor station Setting" icon in the main interface to enter the outdoor station settings. The outdoor station has enable switch, unlock delay, record mode, mobile detection setting, message setting, ringtone setting, signal type and standard.

Enable switch: door 1 is open by default, door 2 needs to be set to open (when the system is connected to 2 door phones).

Signal system and type: There are two types of door phone systems, and there are seven types. You need to select the right signal system and type to talk to each other. When you don't know the system and type of the door phone, select Auto, and the indoor machine will automatically select the appropriate system and type.

Recording mode: You can choose to take photos or videos. When the door phone calls the indoor unit, the indoor unit can be saved on the TF card by taking a photo or video.

Mobile detection: When an object moves in front of the door phone for a certain period of time, the indicator light of the door phone will flash once, and the indoor opportunity will record the video.

Message: Set the message recording duration and message switch.

Ringtone : you can set the ringtone duration, volume and type.

3.3 Camera settings

The user can select the "Camera Settings" icon in the main interface to enter the setting interface. The camera setting interface has an enable switch, sensor type, alarm ring duration, recording mode, mobile detection settings, signal type and standard.

3.4 Indoor unit status setting

At home status: The VTO calls the indoor unit, and after 30 seconds, no one answers the prompt and turns to the message status.

Sleeping state: The VTO calls the indoor unit, and the indoor unit will turn on for 30 seconds after no ringing, and the prompt will change to a message state.

Away from home status: The door phone will directly prompt to leave a message when calling.

(Note: You need to turn on the message of the door phone.)

3.5 Clock and date display

The clock and date of the monitor can be set in the system menu. If you do not operate the monitor for 1 minute, it will enter the screen saver state.

(Note: The time is automatically updated after the network is configured.)

3.6 advanced settings

Format SD card: Clear all video or picture records in the indoor unit's SD card.

Factory settings: restore the factory settings of the indoor unit.

Factory settings: restore the factory settings of the indoor unit.

Restart the system: The indoor unit restarts, and the indoor unit data remains unchanged.

4. Intercom

4.1 Outdoor station incoming intercom

When the outdoor station calls in, the indoor unit automatically pops up the video interface and rings at the same time. On the incoming interface: press the "answer" button to stop ringing and start the call for 2 minutes. press the "unlock" button to unlock the door phone. press the "adjust" button to adjust the sound, color, brightness and contrast of the indoor unit. press "+" to enlarge the video image. press "-" to reduce the video image. press "photograph" or "video" button to manually take photos or video. press the "hang up" button to hang up the call and return to the initial interface state.

4.2 Indoor station forwarding

When the door phone calls in, all the indoor phones automatically pop up the screen interface and ring the bell at the same time. At this time, press the "answer" button of one of the indoor units, the other indoor units hang up and return to the standby state, and then press the "forward call" button of this indoor unit, the door phone will forward the call and communicate with the other indoor unit.

(1 indoor station connected to multiple indoor units.)

4.3 Indoor intercom

The user can select the "house-to-house intercom" icon in the main interface to enter the household-to-house intercom interface, and press the other party's indoor unit number to perform the house-to-house intercom.

5. Record query

The user can select the "record" icon in the main interface to enter the record query interface. Record types are divided into call records, message records, mobile detection and alarm information.

6. Video surveillance

The user can select the "monitoring" icon in the main interface to enter the surveillance list. The surveillance list includes door 1, door 2, camera 1 and camera 2. The user selects the required surveillance equipment for surveillance, and presses the "unlock" button to unlock the door when monitoring the door.