Manuals+ — User Manuals Simplified.

Zhuhai Ruian Technology TC00001 Smart Wireless Intercom System Installation Guide

Contents

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Zhuhai

Zhuhai Ruian Technology TC00001 Smart Wireless Intercom System

Outdoor station RAD202
or apartment building intercom system

Product introduction

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

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

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

4. The indoor unit is powered by a 12–15V/1A DC power supply and a 1024*600 high-definition touch screen.

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.

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

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

8. It can support 1 drag 1-4 and 2 drag 1-4, independent one-to-one call intercom between internal phones.

9. 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.

Note: The illustrations in this manual are used to describe the operation of the product more directly and in detail. If mentioned, the content in this manual does not match you. please refer to our machine.

Indoor monitor

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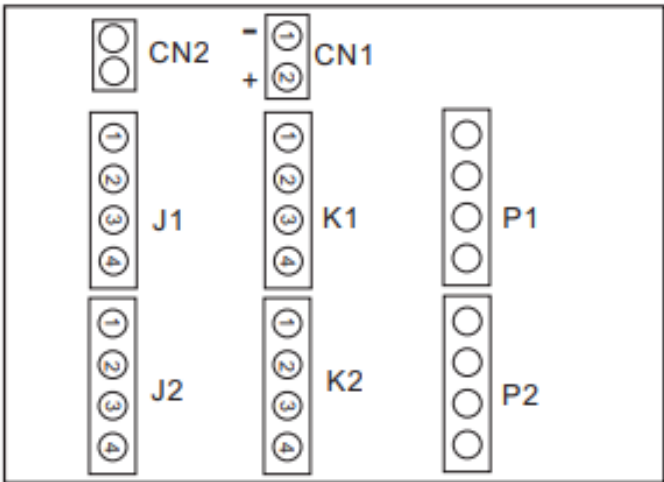
front view
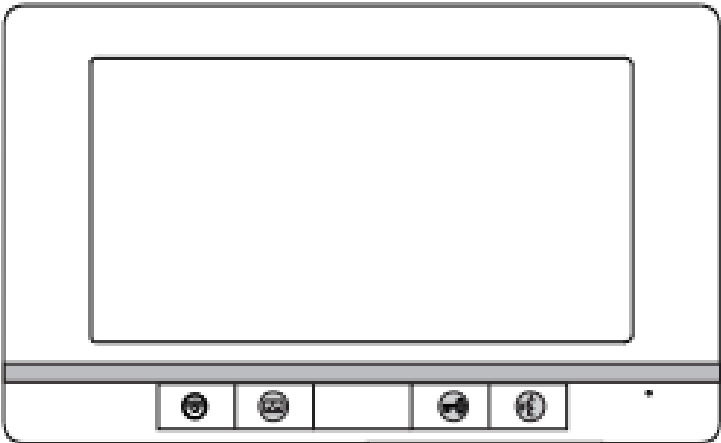
Shortcut icon function

- Hang up or return
- Monitor
- Talk
- unlock the outdoor stations or Press and hold for three seconds to unlock the indoor unit.

back view

Description of the outlet of the indoor monitor

- CN1: negative
- Positive
- Power outlet, connected to DC power12–15V.
- to the outdoor station 1
- to the outdoor station 2
- 1.audio(red) 2.and(blue) 3.v+(yellow) 4.video(white
- K1: to the camera 1
- 1.Alarm(red) 2.gnd(blue) 3.v+(yellow) 4.video(white)
- K2: to the camera 2
- P1: indoor monitor input
- P2: indoor monitor output
- the indoor monitor output connection to the next indoor monitor input.

wire villa intercom system diagram1

▶ Standard Set Diagram
(1 outdoor station for 1 indoor monitor):

power adapter

—
+ →AC

4C

AC
power supply

NO

COM

electronic Lock

outdoor station

▶ Detailed conection diagram

AC

input

power adapter

CN1

indoor monitor backview

audio gnd v+ video

CN2

Indoor monitor

4wires connection detail
red blue
yellow white

4C

CN1

audio gnd v+ video

power supply
— +

magnetic lock

NC COM NO

CN2

outdoor station backview
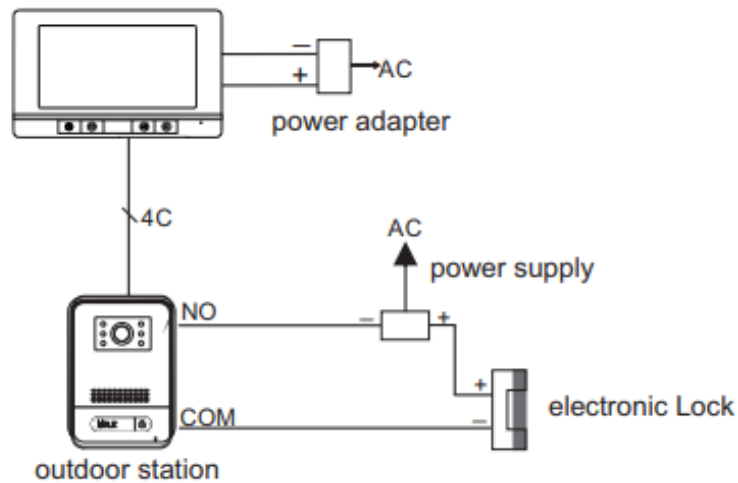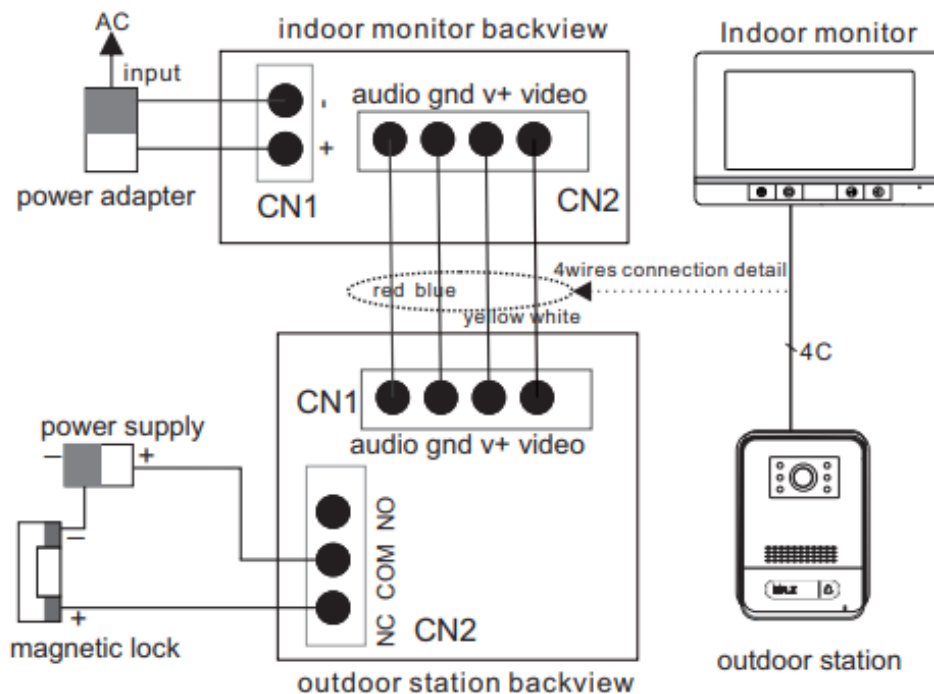
outdoor station

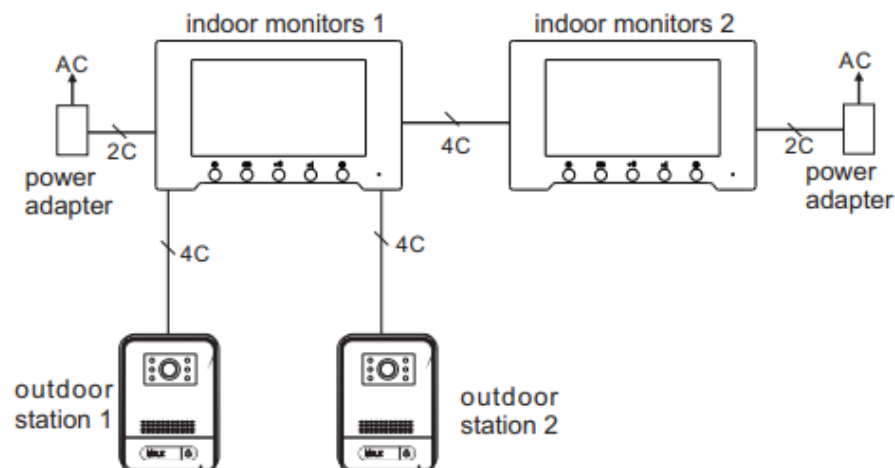**wire villa intercom system diagram 2**

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

indoor monitors 1

indoor monitors 2

AC

2C
power
adapter

4C

AC

2C
power
adapter

4C

4C

outdoor
station 1

outdoor
station 2

System Settings

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, the device ID is located, set the device id accordingly by pressing on the angle bracket.

Door settings
The user can select the "Door settings" icon in the main interface to enter the outdoor station settings. the outdoor station has enabled switch, unlock delay, record mode, mobile detection setting, message set, signal setting, and ring setting. 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 setting: 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 outdoor station, select Auto, the machine will automatically select the appropriate system.

- **Recording mode:** You can choose to take photos or videos. When The outdoor station call 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.
- **ring setting**: you can set the ring duration, volume, and type.

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.
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, the indoor unit will turn on for 30 seconds after no ringing, 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.)

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 SD. Factory settings: restore the factory settings of the indoor unit. Restart the system: The indoor unit restarts and the indoor unit data remains unchanged.

Intercom

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 "+" to enlarge the video image, and press "-" to reduce the video image. press the "photograph" or "video" button to manually take photos or video. press the "hang up" button to hang up the call. press the "adjust" button to adjust the sound color, brightness, and contrast of the indoor unit.

Indoor station forwarding

When the door phone calls in, all the indoor phones automatically pop up on 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 outdoor station connected to multiple indoor units.)

Indoor Internal intercom

The user can select the "Transfer" 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.

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.

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.

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.

TF card function

TF card is used for data storage. When the TF card is full, the oldest data will be deleted automatically.

IP video intercom

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 phone. you can also take photos or videos on your phone. After you leave home, You can also monitor the outdoor from your mobile phone APP to view your family status in real-time.

Indoor unit distribution network

Overview

The cloud service used by this product is "Tuya Smart".

Steps of distribution network

Download the "Tuya Smart" APP on your phone and register an account. Turn on the corresponding network distribution model on the indoor unit, set –>Network Setting –>Network Configuration Mode.

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

APP network distribution mode(AP Mode).

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 –>
4. 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 to 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.

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

 How to Share to additional users.
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".

FCC STATMENT

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, and (2) this device must accept any interference received, including interference that may cause undesired operation
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.

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

Documents / Resources

	Zhuhai Ruian Technology TC00001 Smart Wireless Intercom System [pdf] Installation Guide RAR595F-HW, RAR595FHW, 2A54X-RAR595F-HW, 2A54XRAR595FHW, TC00001 Smart Wireless Intercom System, Smart Wireless Intercom System

References

- [time] **[Time by Winkler Uhren und Schmuck Onlineshop - Time by Winkler](#)**

- [time] **[Time by Winkler Uhren und Schmuck Onlineshop - Time by Winkler](#)**