2.4G Digital wireless intercom system

User manual

Please read the manual carefully before the operation..

Contents

1. Introduction

Wireless digital voice intercom doorbell, works in 2.4G ISM, power is less than 100WM, AFH Adaptive FM technology, with strong communication confidentiality, clear voice, and with wireless remote unlocking, power saving and far distance communication characteristics. The product is suitable for offices, villas, courtyard and unit family places.
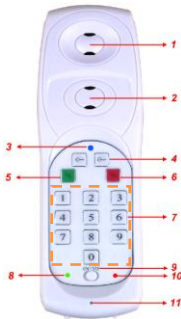
2. Package

Please check the package before the operation. It should include:

Item	Quantity
Indoor unit	1
Outdoor unit	1
Charger	1
Battery unit	2
Power adapter	2
Screw kit	1 bag
Manual	1

3. Features

(1) 2.4 ISM digital launch frequency and encryption technology, valid distance can be 500m in the open air.

(2) Outdoor unit with touch screen, power saving, nice design, voice clear and loud,

(3) Out unit is waterproof.

(4) Indoor unit is with handhold, coupled with exquisite base, beautiful and practical.

(5) Indoor unit with a phone reminder comes with caller flash reminders,

(6) Indoor unit with remote unlock functions.

(7) Indoor and outdoor unit are with same type lithium battery,

(8) Indoor unit is powered by batteries or adaptors. The battery can used for 90 days.

(9) unlock style: power on unlock or power off unlock;

(10)1 outdoor unit is able to match with t4 indoor unit simultaneously, when four is call from outdoor phones, 4 indoor ring simultaneously, a indoor unit off-hook, the rest 3 indoor will disconnect automatically.

4. In door unit

1.Earpiece speaker   2. Ding-dong sound speakers

3.Caller reminded blue light   4. Unlocking button

5.Phone take button   6.Phone hang button

7.Digital button 0-9   8. Work indicator and other indicator

9.Switch button   10.Charger indicator

11.Mic   12.Base charger

5.Outdoor unit

(1) Rainproof cover   (2) Speaker

(3) Touch key   (4) Mic

(5) Battery box (3.7V lithium battery) (6) Power Interface

(7) Unlock interface

6. Operation

Set up ID

Press indoor unit unlock button, turn on the power, it will show green light after 3S, release the button to enter ID set up interface. The ID number is corresponding to the digital on the panel. Press the default ID value, then press the unlock button to confirm, sound three times, after that exit the set ID status and enter standby state.

Code

Press indoor unit unlock button, power on, 6 seconds after the green light is off, enter the code state. Code time is about 16s.If success, sound three times to enter standby mode. If fail, sound once, exit code status and enter standby mode.

Show code

Press indoor unit unlock button, power on , green light on, then off, then on again, code is shown.

Receive code

Press unlock key, power on, 10S after green light off, enter receive code states. If receive code success, it sound 3 times to enter standby state, if fail, sound once to exit receive code state and enter standby state.

Note: the code refers to the host indoor unit enter status, the subsidiary unit need to cooperate into receive code state. Means when two machines are matching, host unit enter code status and subsidiary unit enter receive code status. When code, host unit enter code state, subsidiary unit enter receive code state.

Outdoor unit enter receive code state.

Hold call button until green light on and then off, then release call button, enter receive code state, receive code time is 16s, if success, sound 3 times and red light flash 3 times, then exit receive code state to enter standby state, if fail, exit receive code status to enter standby state.

Operation

Standby: the outdoor unit is in power-off mode, the indoor unit power indicator will flash green light once/4S.

Intercom between indoor units

(1)Press the CALL machine ID number, press the CALL button, the red light on to enter the main CALL state.

(2)If not received response signal within 4 seconds, sound drops 4 times, suggesting no signal and ends call state. If received response signal, began to ring the toot.

(3)If the opposite side did not off-hook, then stop beep after continued for 15 sound, but off-hook within 1 minute is effective, then ends CALL state. If off-hook, then stop the beep tone, the green light on to enter the call state.

(4)When indoor unit receive ring signal in standby mode, red light on and simultaneous ring, ring twice "ding-dong" then stop ringing, after about one minute, entering standby state. If any off-hook, it will stop ringing, the green light on and enter the call status, unlimited time call.

(5)Hook: it will hear a "beep". Host machine can hang up firstly.

(6)If CALL machine is busy, then drops twice busy sound to exit to standby mode.

(7)During waiting for the off-hook, tap the CALL key again.

a. If subsidiary machine is ring ding dong, if will not re-ring ding dong, the longer snooze BUZZ host machine ring 15 beeps while re-clocking one minute.

b. If subsidiary machine did not ring ding dong, it will ring two times ding dong, host machine will sound 15 beeps while re-time one minute.
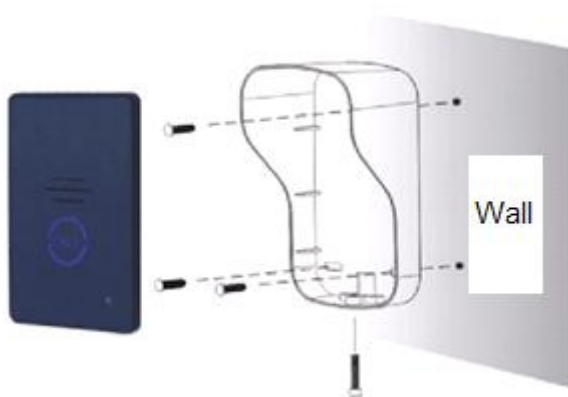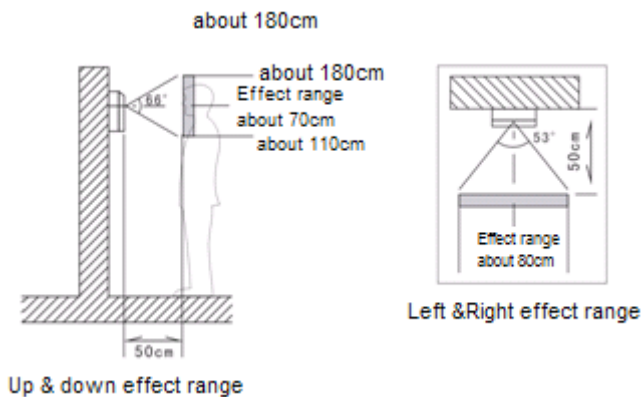
Unlock

Under call state, press indoor unit unlock button to unlock.

7. Installation

(1) Put the indoor unit on your desk.

(2)Outdoor unit recommended location: avoid direct light shinning, proper installation height around 1.5m, less barrier between indoor and outdoor unit.
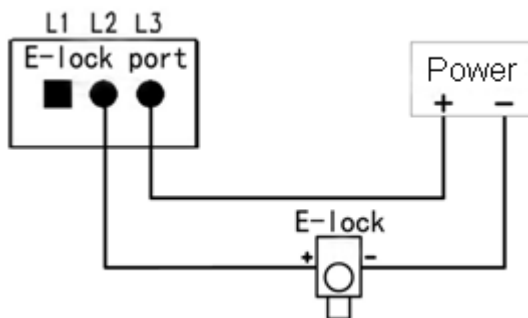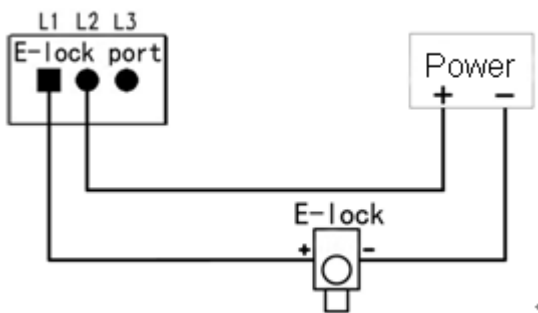

about 180cm

about 180cm
Effect range
about 70cm
about 110cm

Up & down effect range

53°
50cm

Effect range
about 80cm

Left &Right effect range

Wall

(3)E-lock connection

There are 2 models of e-lock: power on unlock model and power off unlock model. The user can choose the e-lock basing on the power requirement; also to set the unlock time and e-lock connect way basing on the e-lock specification.

The 2 models E-lock connections are show in the following figure:

Power on lock Electronic

Power off lock Magnetic lock

Note: The electric lock and unlock power not belong to product accessories.

8. Fault diagnosis

Malfunction	Checking	Debug
Fail to start the product	If the battery is installed correct	Install battery correctly
	If the power of Li-on battery is not enough?	Charge the Li-on battery
Can not intercom	Communicate range is out of effective range	Re-confirm communication range
	If pressed microphone key?	Press microphone key.
	Two machines are very close, there is echo to affect the effect.	Keep distance above 3 meters
Intercom distance become short	If outdoor unit is installed on metal door	Not installed on metal door which has magnetic wave.
	If the wall is too thick	Choose thin one
	Check if voltage is correct	3.7 V or above, and charge in time
Can not call	Standby mode	Need to re-code

9. Safety

Safety and important warning

The wireless door phone including a main unit, a extension unit, power and control configuration, when power in, the system is able to receive and send wireless signal automatically.

Safety about wireless radiation

Any random or cover's frequency is non-radiation, no harm to human body.

To achieve the best intercom system and make sure exposed radio frequency power is in specified safety range, wireless video intercom operation should follow the following terms,

The antenna usage notice

The antenna can only use the original or approved parts. Unauthorized antennas, modifications, or antenna with attachment may damage the machine or breach of the provisions of the Radio Administration Bureau of the Ministry of Information Industry. Do not touch the antenna, or hold the antenna which will affect the effective communication distance during use.

The electro magnetic interference and compatibility

The majority modern electronic equipment is shielded from radio frequency (RF) signal, but there may be some electronic equipment can not shield the RF signal emitted by the wireless machine that you use. Use the public wireless devices, the communication quality will not protected by radio management agencies, should withstand interference which generated by normal radio business.

Prohibit connecting with the public telephone network, public mobile communication network and other telecommunications network.

Prohibit having any interference on various legal radio services when use wireless video door phone, please stop to use immediately once there is any harm found and take measures to eliminate the interference before it can continue to use.

Should not arbitrarily change the transmitting frequency, increase the transmit power (including the installation of additional RF power amplifier), will be allowed to add an external antenna or switch to other transmitting antennas.

The battery exposed terminals with conductive material, such as jewelry, keys or necklace contact may cause financial damage and personal injury, such as burns, etc. The conductive material may form a circuit loop (short circuit), generate considerable heat. Be careful for battery storage, especially in your pocket, purse, or other metal-containing containers.

10. Working Environment

(1) Operating temperature range: -15 ° C - +55 ° C
(2) Operating humidity range: not more than 85%

11 Notice

(1) The machine should be placed on the place with solid, well-ventilated, dry and no direct sunlight, no strong magnetic fields and dust;

(2) Do not use chemical to clean the surface; clean, soft and dry cloth can be used to clean.

(3) Avoid to press multiple keys at the same time;

(4) Outdoor and indoor unit needs to match with specified models, and can not mix to use with other models or other company's product.

(5) Do not open the machine without permission, please contact with your dealer or our technical department if you need any maintenance.