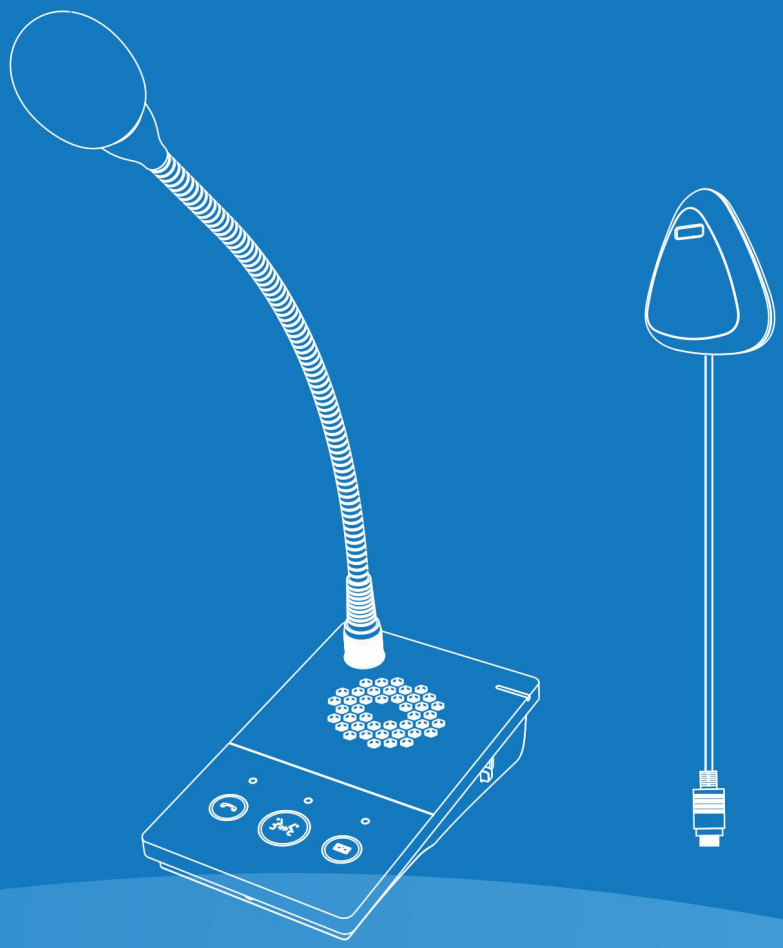
SPON

DIGITAL WINDOW INTERCOM

User Manual



IP NETWORK INTERCOM SYSTEM

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Summary

Safety precautions

• Please abide by the warning and the relevant safety tips.
• Please take this manual in convenient place for future reference.

Warning and Reminding

This symbol means there are potential safety issues, it may cause death or serious injury when incorrectly operating.

This symbol draws the attention to important operation and maintenance instructions.

Settings and Installation

- Avoid making the device wet.
- Do not expose the device to rain or water or other humid environment, as it may lead to fire or an electric shock.
- Do not use other power voltages than indicated on the power supply adapter.
- Use the device only with the indicated voltage to connect it.
- It may lead to fire or electric shock if using higher voltage.
- Do not damage, cut or twist the power cord.
- Keep the power cable away from any heating objects and do not put heavy things on it, as it may lead to fire or electric shock.

Using the intercom

Please shut off the power supply immediately when the following phenomena happen. Please contact the supplier. It may cause fire or electric shock when continuing to use it.

- When the device is smoking or smelling strange.
- When water or other things entered in the device.
- When the device fell or the device housing is damaged.
- When the power cord is damaged (copper wire is exposed or broken etc.).
- When the device is in a faulty state (cannot connect to the network, there is no sound etc.).
- Do not open or modify the device
- Don`t let other things enter into the device
- Don’t let metal items or inflammable objects enter the device, as this might result in fire or electric shock.
- Do not touch the device when lightning storms are active
- Do not put any liquid containers or metal objects on the device. If the container fell and liquids penetrated the device, this may lead to fire or electric shock.
- The device contains parts under high voltage. Opening the cover or modifying the device may lead to fire or cause shock. All maintenance and modifications to the device should be done by a qualified professional.

When not using the device for a longer period:

- Please shut down the power and pull out the power adapter when doing maintenance or not using the device for longer than 10 days.

Product introduction

The digital window intercom uses embedded IP Audio digital network audio technology with intellectual property rights to realize digital full-duplex intercom. The set is made of an internal and external window intercom module, equipped with power input, communication interface, recording output port.

Internal window intercom module

External window intercom module

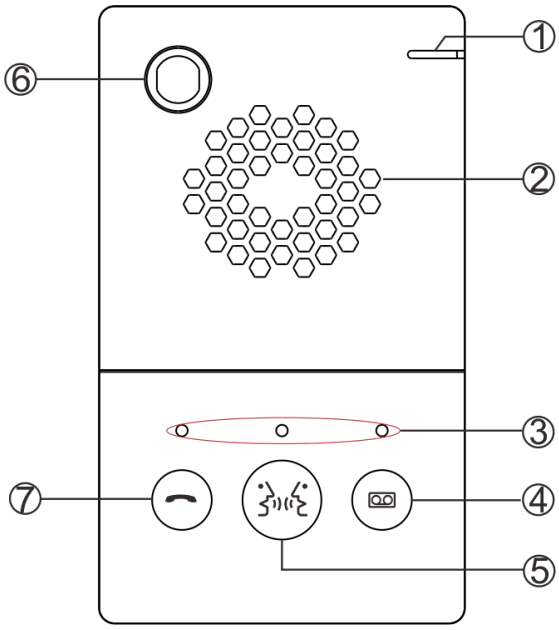
Features

- Adopt single DSP multi-channel language auto-control technology, avoiding feedback and disturbances to realize real digital full-duplex intercom.
- Using physical button , each with corresponding indicator light to display internal parts real time status
- Recognizing sound source, control environment noise, automatically adjust volume and restore the original sound.
- Providing three mode-scenes (quiet, standard, noisy), support one-button adjustment.
- Wiring between external and internal intercom over a single cable, avoiding poor contacts caused by moving the device on the desk. This keeps the desk clear and tidy.
- Professional metal structure design, adopting hard metal housing to prevent resonance, purify and naturalize the sound to make it transparent.
- Personalized and customized service message playback: “Hello, welcome”, “Thank you. See you next time”.
- Supporting recording via DVR

Hardware interface introduction.

Internal window intercom Module

【Front】



① Network status indication: red light is offline, green light is online.

② Loudspeaker: amplify the audio from the external window intercom.

③ Indicator light: The three indicator light correspond to the recording button , intercom button , Voice Broadcast button

④ Recording Button: During conversation , pressing it to record , press again to end record. When recording, the corresponding indicator light will flash red (After intercom part and external part connected)

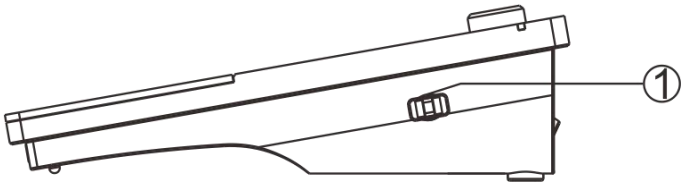
⑤ Intercom button: press the button to communicate with the external window intercom, finish the conversation by pressing the button again. The intercom button light blue during conversation.

⑥ Gooseneck microphone socket: plug the gooseneck microphone and fix the screw

⑦ Voice broadcast button/ remote intercom button (left):

- When the intercom button ⑤ is on (blue light ON):
- Press voice broadcast button shortly to broadcast "Hello, welcome" message.
- Press long (1 second) to broadcast "Thank you, welcome next time".
- The broadcast button flashes green during broadcasting.

【Side】



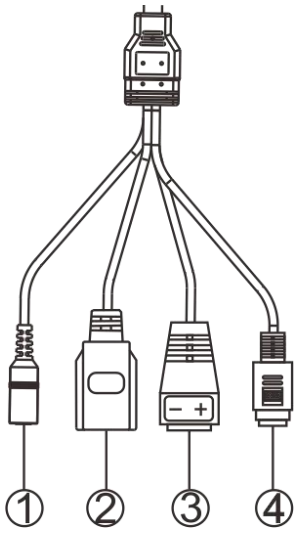
① Scene mode adjustment switch:

3 scene modes are available:

1. noisy（to the front)
2. standard（in the middle）
3. quiet（to the back)

Standard is the default mode.

【connection wiring】



① Power interface: connect with 12V/1.5A power.

② Network interface: Reserved interface.

③ Analog audio output interface: output analog audio, connect with DVR or IP camera.

④ External window intercom interface.

【External window intercom module】

① Loudspeaker/MIC:

Loudspeaker: amplify the audio from the internal window intercom.

Microphone: pick up the audio at the external window intercom module.

② Connector to the internal window intercom module.

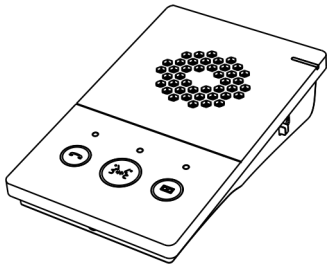
Introduction

Packing list

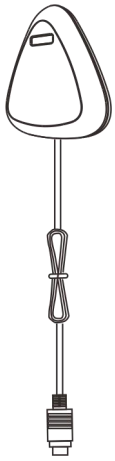
The Window intercom system includes the following accessories.

Please check following parts. Contact your reseller if any parts are missing.

（1）Internal window intercom module 1 set

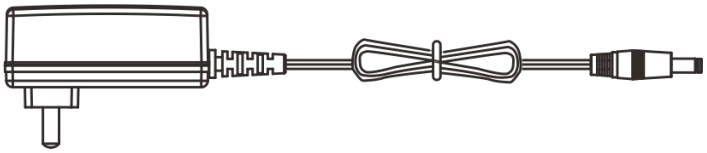


（2）External window intercom module 1 set

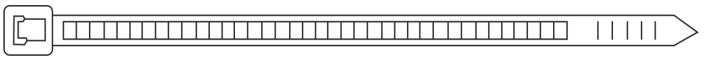


（3）Gooseneck microphone (IM-300Y)　　1 PCS

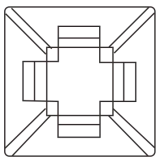
（4）Power adapter（12V/1.5A）**(Optional)**　1 PCS



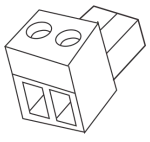
（5）Wire binder（3*100mm）　　3 PCS



（6）Self adhesive cable clamp (HC-100)　　3 PCS



（7）Wire terminal (3.81-2P)　1 PCS

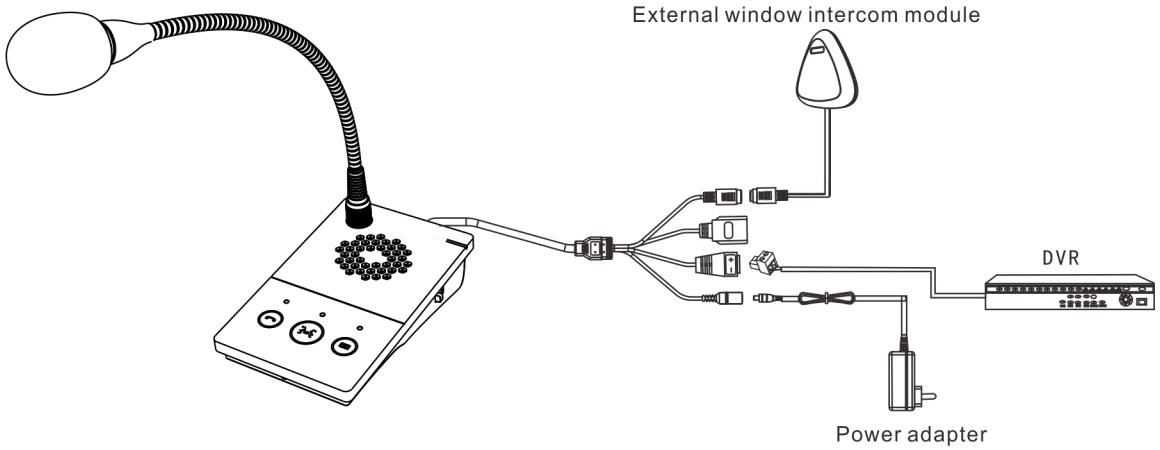


（8）Installation manual　1 PCS

（9）Certification 1 PCS

Wiring

1. Connect the connector of the power adapter to the power interface of internal window intercom (red colored connector).
2. Connect the connector of the external window intercom module with the corresponding connector of the internal window intercom module.



Basic functions

Local intercom

After connecting the internal and external window intercom modules, turn on the power.

Press the intercom button of internal window intercom. The internal window intercom can perform digital full-duplex HD intercom with the external window intercom. Press the intercom button again to end the intercom.

Scene mode adjustment switch:

3 scene modes are available:

1. noisy（to the front)
2. standard（in the middle）
3. quiet（to the back)

Standard is the default mode.

Warm prompt

During intercom conversation, press shortly on the voice broadcast button (left button). The window intercom system will automatically broadcast the welcome prompt "Hello, welcome". Press longer on the left button to broadcast the goodbye prompt "Thank you, welcome next time." Press the button again or short press any other buttons to end the prompt during broadcasting.

Recording

Analog recording

The internal window intercom can output analog audio and be connected to a DVR to automatically record on the hard disk of the recorder.

Engineering mode - volume adjustment without web access

1) When the device is in the standby state, long press the intercom button and the left button at the same time.

2) Release the button after hearing 3 key clicks and the intercom button is ON ,enter the engineering mode(the left and right button always ON , the intercom button flashing).

3) Press the left button to adjust the volume of internal unit : click once volume +, long press volume-.

Press the right button to adjust the volume of external unit : click once volume+,long press volume-.

4) After adjusting the volume , long press the intercom button and release after hearing 2 jkey-clicks .At this time, all the button lights are off, and the new volume levels are saved.

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