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speco technologies AIPK1 Single Door 2 Wire Video Intercom Kit User Manual

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Product Information

The Indoor Monitor Station is a versatile product that offers various functions such as calling, intercom, monitoring, and unlocking. It supports video intercom and real-time monitoring from an outdoor station. It allows for multiple indoor monitors in one house and intercom between different apartments. The product also supports TF card extension for photo capturing and video recording. Additionally, it features a secondary doorbell and KNX home automation extension.

Product Usage Instructions

Video Monitoring
To access the monitor interface for video monitoring:

1. Click on the **Video Monitoring** option in the menu.
2. In the monitor interface, you can adjust image effect, capture photos, and record videos as needed.

Intercom
To use the intercom function:

1. Click on the **Intercom** option in the menu.
2. In the intercom interface, you can call and talk within one apartment or between different apartments.

Message
To access the message interface:

1. Click on the **Message** option in the menu.
2. In the message interface, you can check captured photos, recorded videos, and device information.

Setting
To access the setting interface:

1. Click on the **Setting** option in the menu.
2. In the setting interface, you can configure ringtone, language, time, and other operational settings as desired.

Calling In
Follow these steps to handle incoming calls:

1. When the doorbell rings, it indicates a visitor is calling the indoor monitor from the outdoor station.
2. Press the **Talk** button to initiate a conversation with the visitor.
3. During the conversation, you can press the **Unlock** button to unlock the door for the visitor.
4. After 5 seconds of unlocking the door, the call will automatically end, and the system will return to standby mode.
5. To end the call, press the **End** button.

The product also features various interfaces for connection and power supply:

- **BUS1-A BUS1-B:** Bus Interface 1
- **BUS2-A BUS2-B:** Bus Interface 2
- **EXT-DC24V GND:** Extended Power Supply 24V
- **GND Doorbell:** Interface for secondary doorbell button

Additional settings and functions include:

- **Master-slave indoor monitor setting:** Allows for differentiation between master and slave indoor monitors (M for Master, S for Slave).
- **Video terminal resistance matching:** Matching interface for video terminals.
- **Setting:** Adjust brightness, color, and contrast manually during incoming calls.
- **Photo Capture:** Capture photos manually during incoming calls. Captured photos will be saved in the message.
- **Video Recording:** Record videos manually during incoming calls (requires a TF card). Videos will be saved in the message.
- **Monitoring:** Monitor devices by choosing the desired device in the GUI interface and unlocking the door if needed.

Key Button Function:

- **Parameter:** Static Current30V 15 mA Display7inch TFT LCD TF card capacity232G (Class 4 is suggested)

Note: It is recommended to set video terminal matching on the last indoor monitor by switching No.2 to ON. Bus Interface 1 and Bus Interface 2 are used to connect indoor monitors in series. The master indoor monitor will turn on and ring, while the slave indoor monitor will only ring without turning on.
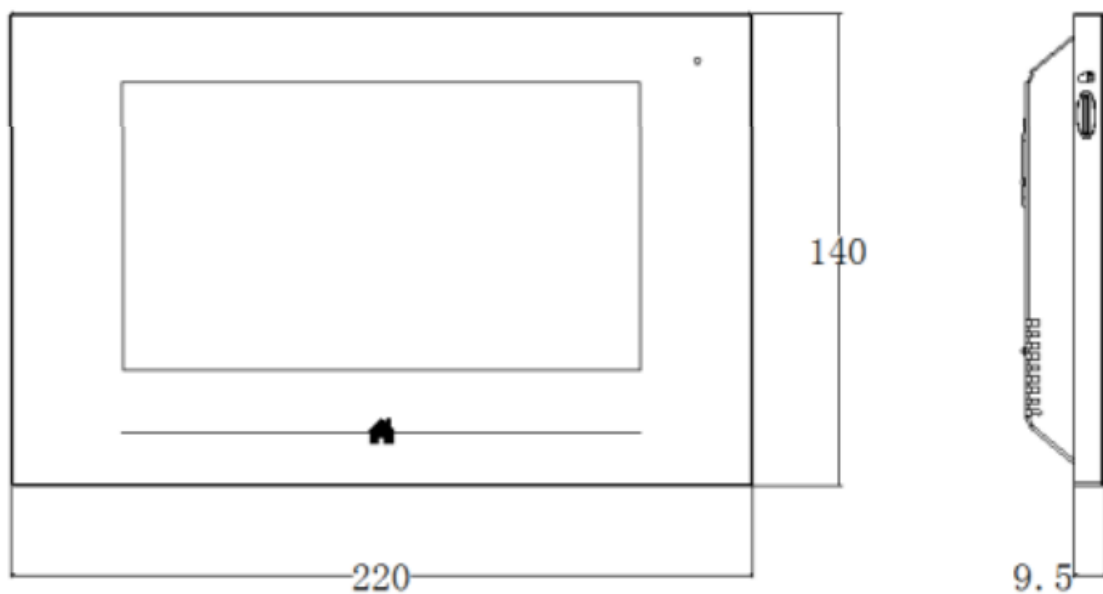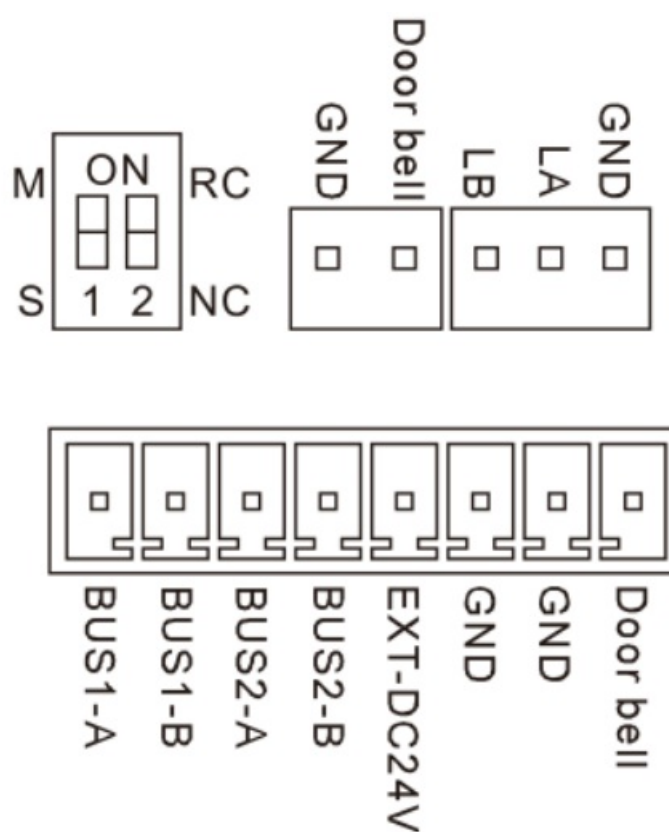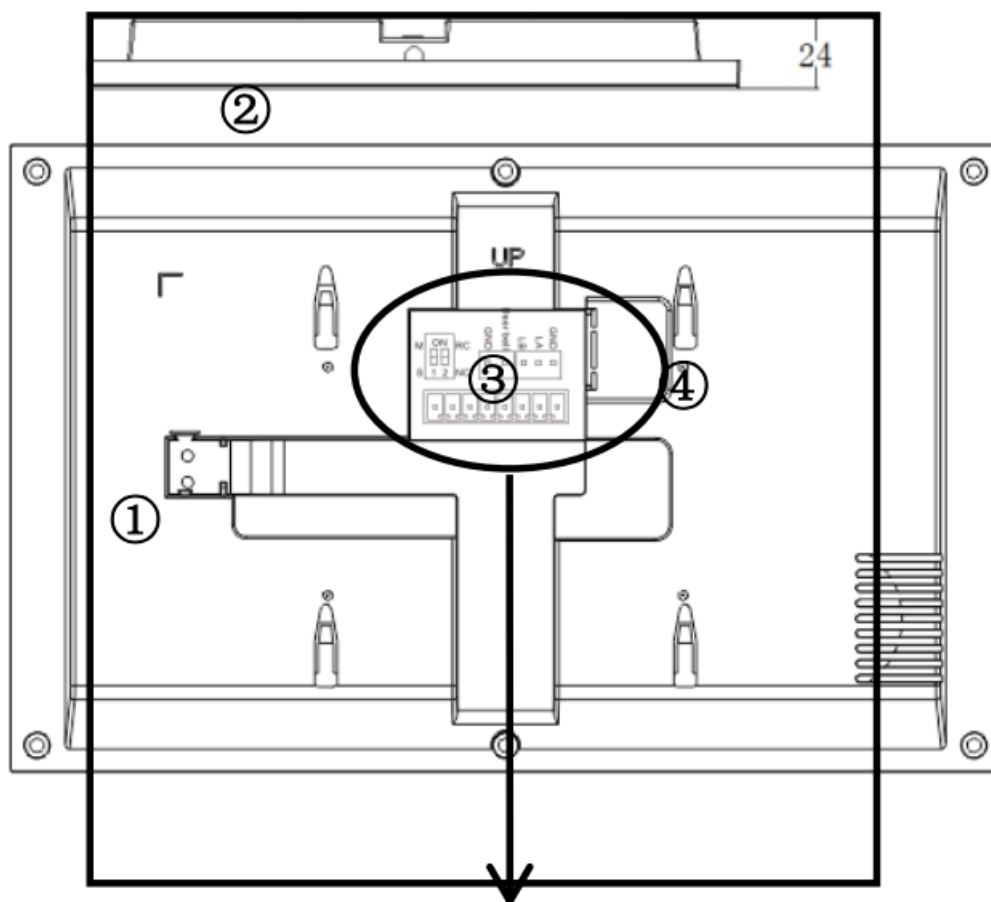
Overview

This product is an indoor monitor station. Functions such as calling, intercom, monitoring and unlocking are available, details are as below:

- Supports video intercom, unlocking
- Supports real-time monitoring from outdoor station
- Supports multiple indoor monitors in one house
- Supports intercom in one apartment and intercom between different apartments
- Supports TF card extension, photo capturing and video recording
- Supports secondary doorbell
- Supports KNX home automation extension

Dimensions & Interface

Unit: mm

140

220

9.5

M ON RC
S 1 2 NC

GND | Door bell
LB | LA | GND

BUS1-A BUS1-B BUS2-A BUS2-B EXT-DC24V GND GND Door bell

1. BUS1-A BUS1-B: Bus Interface 1;

   BUS2-A BUS2-B: Bus Interface 2;

   EXT-DC24V GND: Extended Power Supply 24V.

   GND Doorbell: Interface for secondary doorbell button.
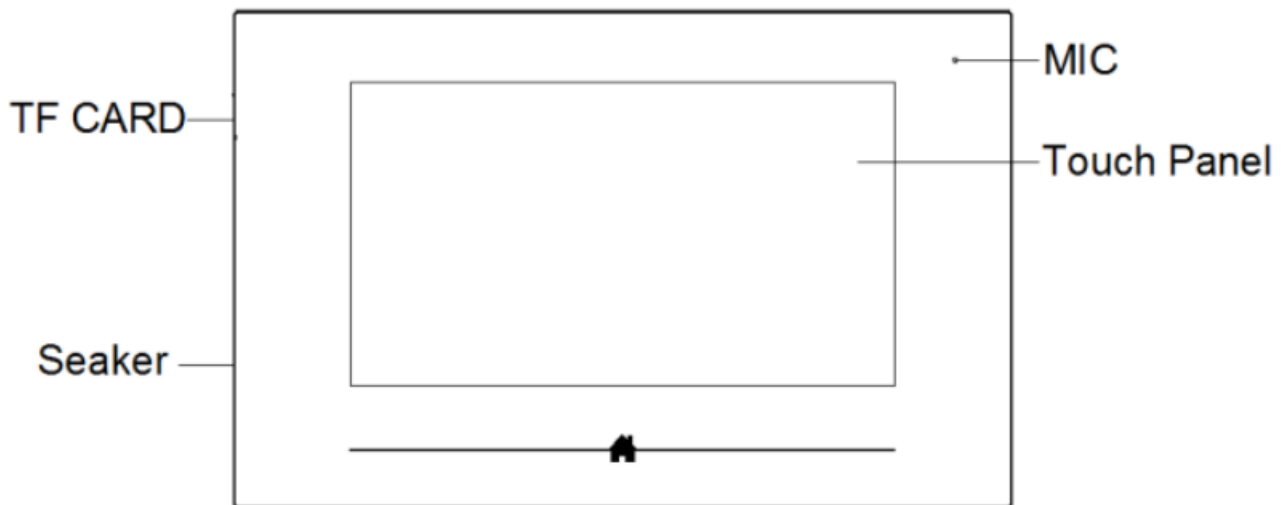
   1. Master-slave indoor monitor setting

(M stands for Master, S stands for Slave).

2. Video terminal resistance matching.

3. Interface for secondary doorbell.

4. Interface for 485 extension.

Note

1. Video terminal matching needs to be set on the last indoor monitor by setting the switch No.2 to ON;

2. Bus Interface 1 and Bus Interface 2 are for connecting indoor monitors in series.

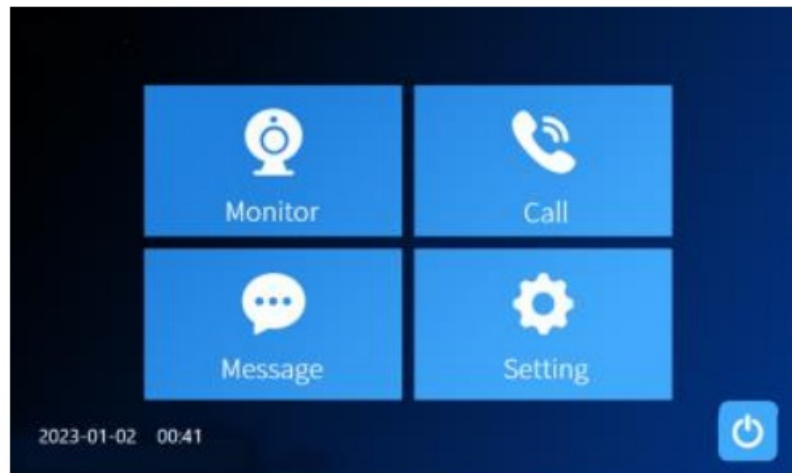3. Monitor of indoor monitor will turn on and ring, while slave indoor monitor will not turn on but only ring.

Key Button Function

Parameter

- Working Voltage: DC 24 30V

- Working Current 30V === 200 mA

- Resolution 800×480

- Dimensions (L /W /D) 220×140×24 mm

- Static Current 30V === 15 mA

- Display 7inch TFT LCD

- TF card capacity 2 32G Class 4 is suggested

Basic Functions and Setting

Menu

1. **Video Monitoring**

   Click to enter monitor interface. Image effect , photo capturing and video recording can be set

2. **Intercom**

   Click to enter intercom interface. User can call and talk in one apartment or different apartments.

3. **Message**

   Click to enter message interface , use r can check captured photos , recorded videos and device information

4. **Setting**

   Click to enter setting interface, user can configure ringtone/language/ time and operate configuration setting.

Call in

Calling In

Steps: Doorbell rings Talk Unlock the door End of in coming call:

1. Visitor calls the indoor monitor from outdoor station, the indoor monitor starts ringing

2. Resident presses **Talk** button then talk with visitor.

3. During the conversation, resident presses **Unlock** button to unlock the door for visitor.

4. 5 seconds after unlocking the door, the call ends automatically and system returns to standby mode

5. Resident presses **End** button to end the call.

Setting

Setting:

1. When visitor is calling, click the **Setting** icon to adjust brightness, color, and contrast manually

Photo Capture

1. During the call from visitor, click **SNAP** to capture manually.
2. Captured photos will be saved in message.

Note:
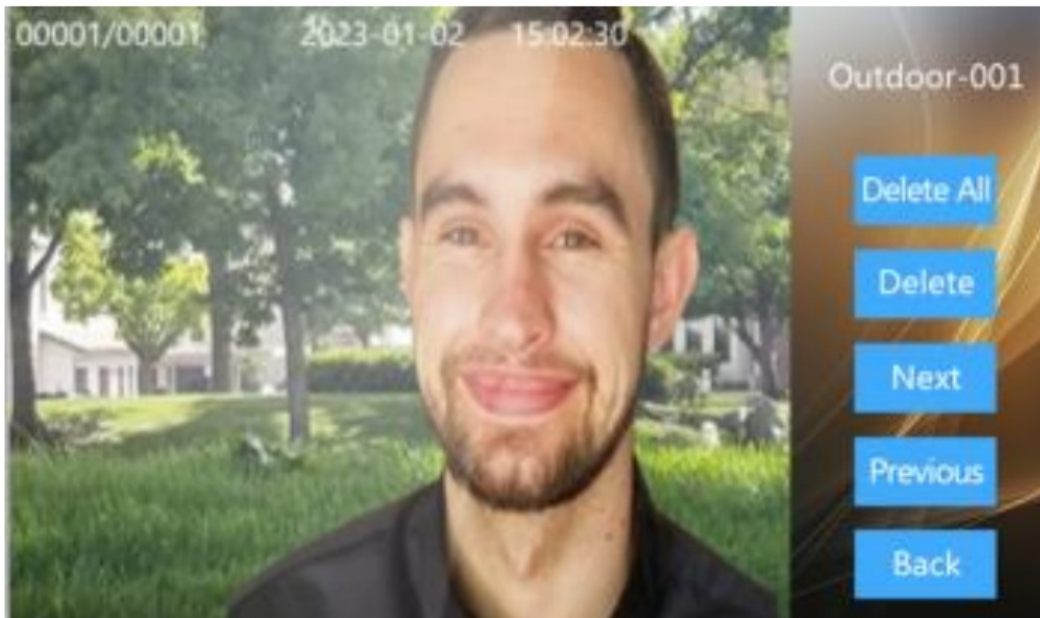Maxim um of 50 images can be stored if there is no external T F card.

Video Recording:

1. During the call from visitor, click **RECORD** to record a video manually (must insert a TF card);
2. Video will be saved in t he message.

   Note:

   With an extended TF card, up to 40 vide os can be stored and up to 100 0 images can be stored

Monitoring

Monitoring

Unlock the door when monitoring
Steps: Choose the device t o monitor Monitoring Unlock End

1. Click the icon in the GUI , choose the device to monitor. The default monitoring device is the outdoor station 1 if the outdo or station 1 does not exist there will be no monitoring.
2. Resident can choose different outdoor station by and . If the chosen monitor does not exist, it will exit monitoring and return to standby mode
3. During monitoring, resident can press **Unlock** to unlock for visitor, monitoring will end in 5 seconds after the door is unlocked.
4. Click **End** to end monitoring.

Talk with visitor Steps: Monitor Talk End

1. During monitoring, resident can press **Talk** to talk with visitor.

Active Call
Click and enter intercom interface.

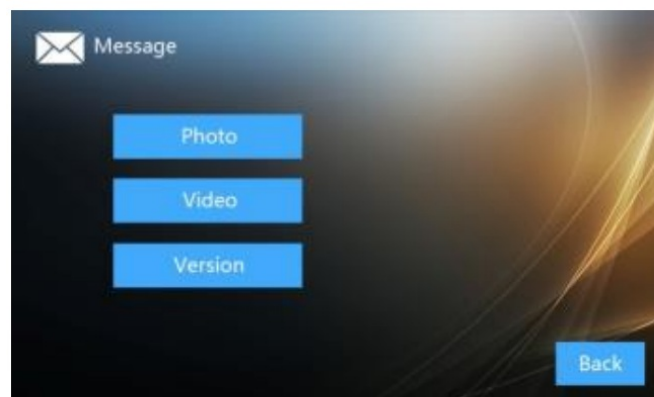*Calling Interface*

Intercom between different apartments

Steps: Call Ring Talk End

1. Call Input the room number and click to call;
2. Indoor monitor echoes back
3. The resident will click to answers the call and click to reject the call.
4. Resident can click to end the call after communication Intercom in one apartment

Steps: Call Talk End

1. Click **INTERCOM** to call the indoor monitor in one same apartment.
2. Indoor monitor echoes back.
3. The called indoor monitor in the same apartment echoes back
4. Resident can press **TALK** to answer the call , click **END** to reject the call, after answering the call, user can click **END** to end the call.

Check Messages

Message Checking

1. Click to check messages, captured photos, recorded videos and device information.
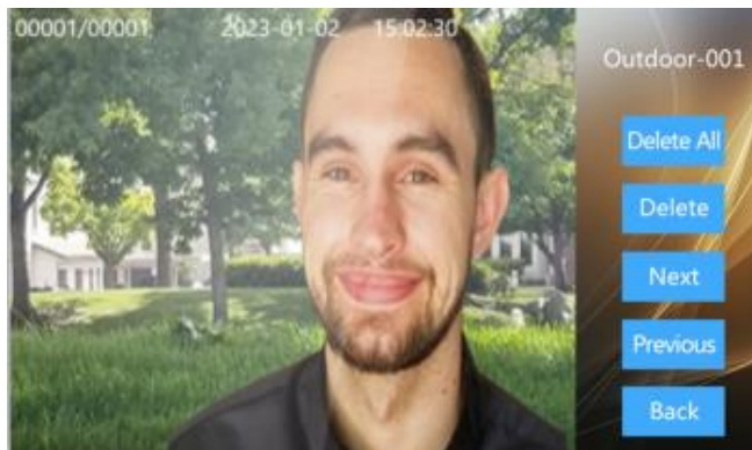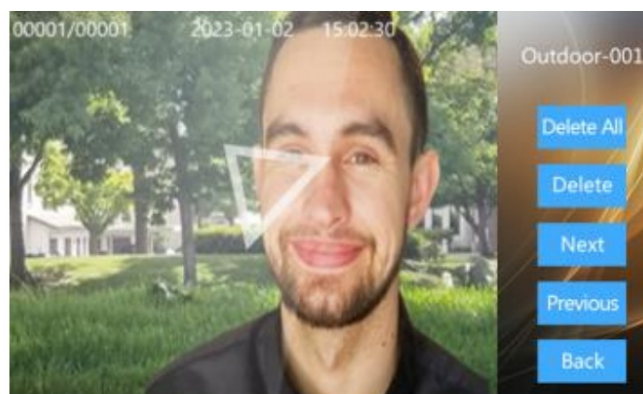
Check Photos

Photo Checking

1. Click **PHOTO** to check photos.
2. While checking videos, click **NEXT** to choose the next one, click **PREVIOUS** to choose the last one, click **DELETE** to delete the current one, click **DELETE ALL** to empty the video record.

Video checking

Video Checking

1. Click **VOICE** to check recorded videos.
2. While checking videos, click **NEXT** to choose the next one, click **PREVIOUS** to choose the last one, click **DELETE** to delete the current one, click **DELETE ALL** to empty the video record.

Device Information

Device Information Checking

1. Click **VERSION** to check device information including software version and device address.
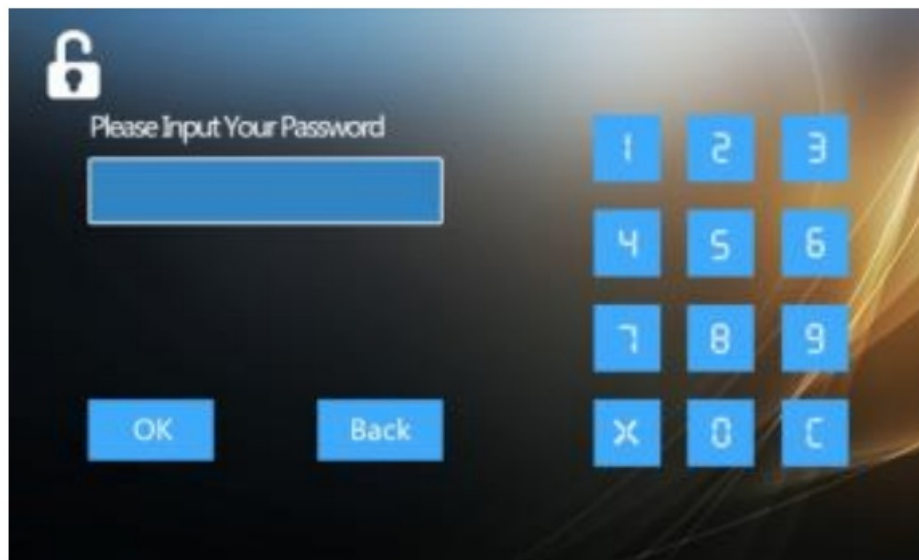
Unit 3 System Setting

Language Setting

Language Setting Interface

1. Click , enter language setting interface.
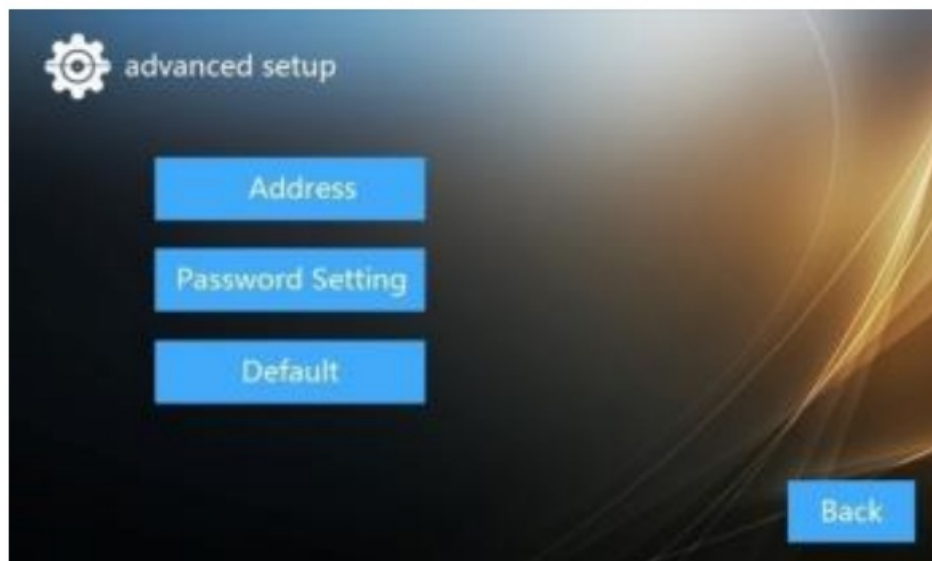2. Language must be set in initial start up.

Configuration Setting

Inputting Password

1. Click ⟹ , input password to enter configuration setting.

   Note:

   Password is 123456

ADD Setting

Configuration Setting

1. Click **ADDRESS** to enter address setting.

Add Setting

Note

1. Add setting from 001 to 200.
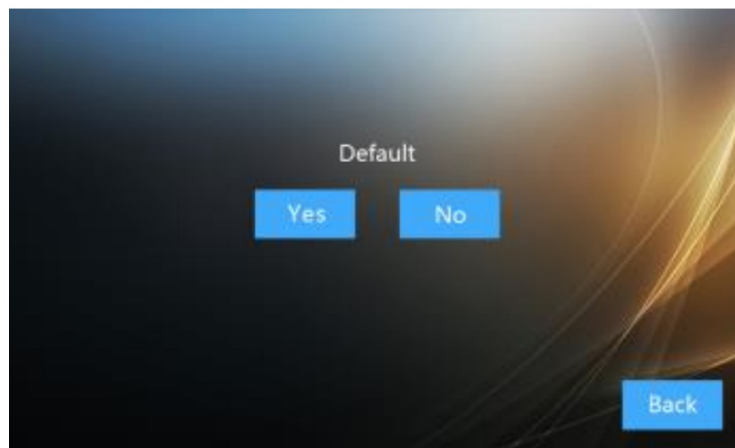2. If there are multiple indoor monitor s in one apartment, the address of all indoor monitor s should be the same.

Password Setting

Password Setting

1. Click to enter password setting.
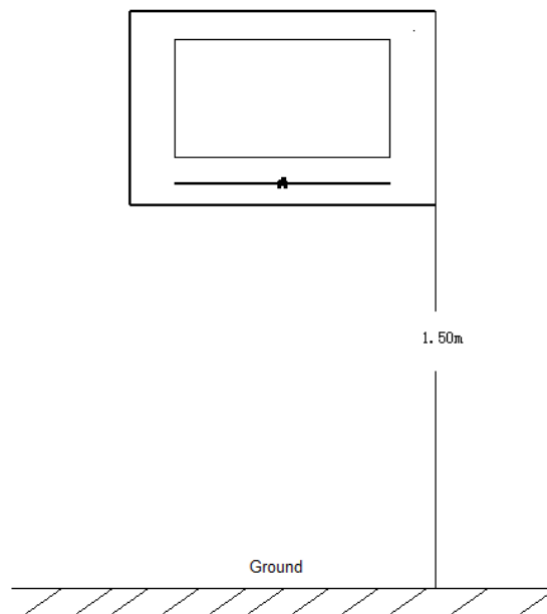2. Input new password and input again to confirm.
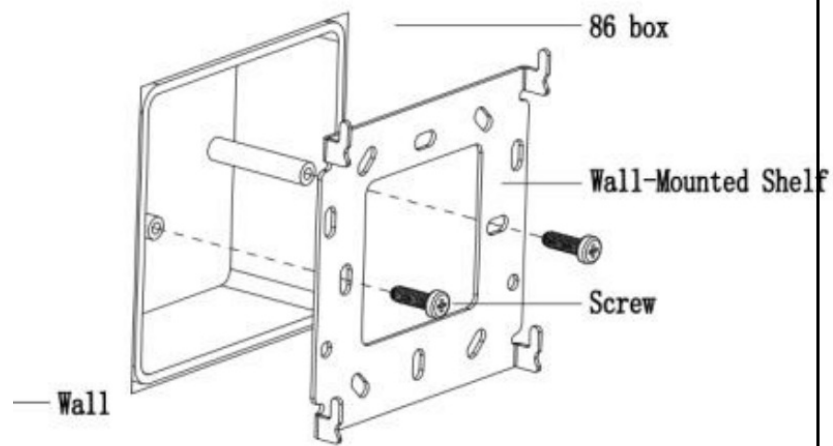
Factory Reset

Factory Reset

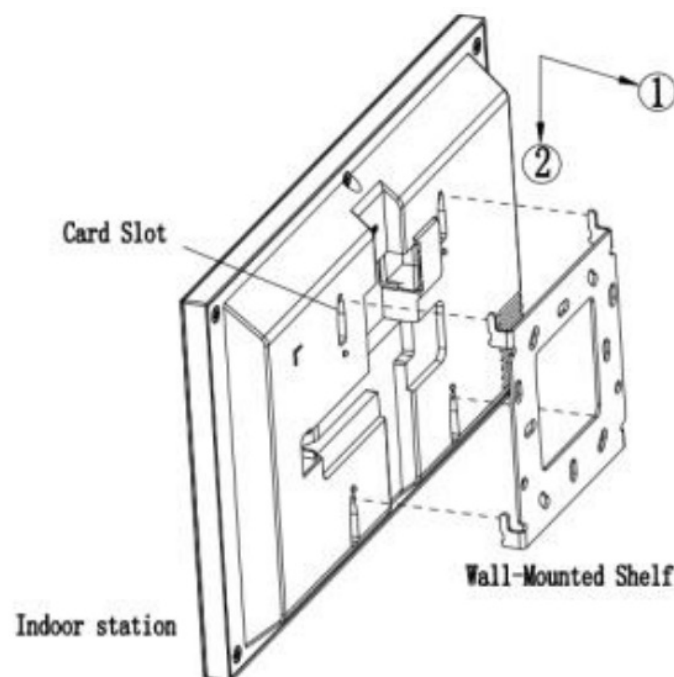1. Click to enter factory reset interface.

Installation Height

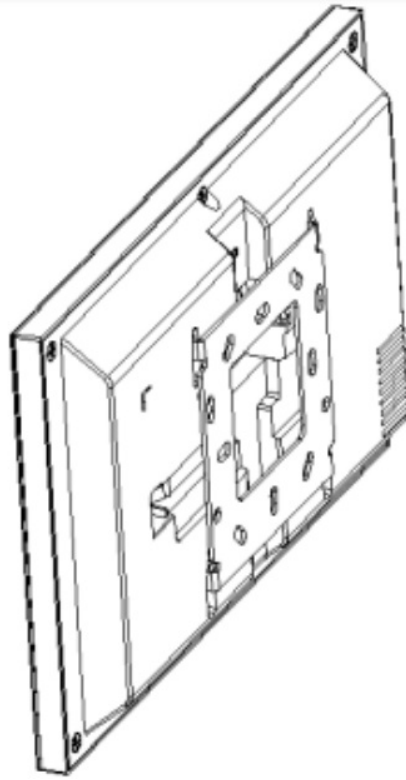**Suggested height for installation:** 1. 5 m

Installation Instruction

Step 1 Align the screw hold of bracket with the holes of 86 box. Tighten the screw and fix the bracket.

Step 2 Connect the indoor monitor with wire, and the opening with the hook of the bracket. Then, move down the device a little bit. It's set correctly when you hear the joint click.

Attention

1. Please keep devices away from strong magnetic fi el ds, high temperature and wet environments

2. Please handle with care a drop or any hard impact will damage the de vice.

3. Please do not use a wet cloth or chemicals to wipes devices.

Wipe with care

4. Please do not disassemble the device

Documents / Resources

speco technologies AIPK1 Single Door 2 Wire Video Intercom Kit [pdf] User Manual
AIPK1 Single Door 2 Wire Video Intercom Kit, AIPK1, Single Door 2 Wire Video Intercom Kit, 2 Wire Video Intercom Kit, Video Intercom Kit, Intercom Kit