

User Manual

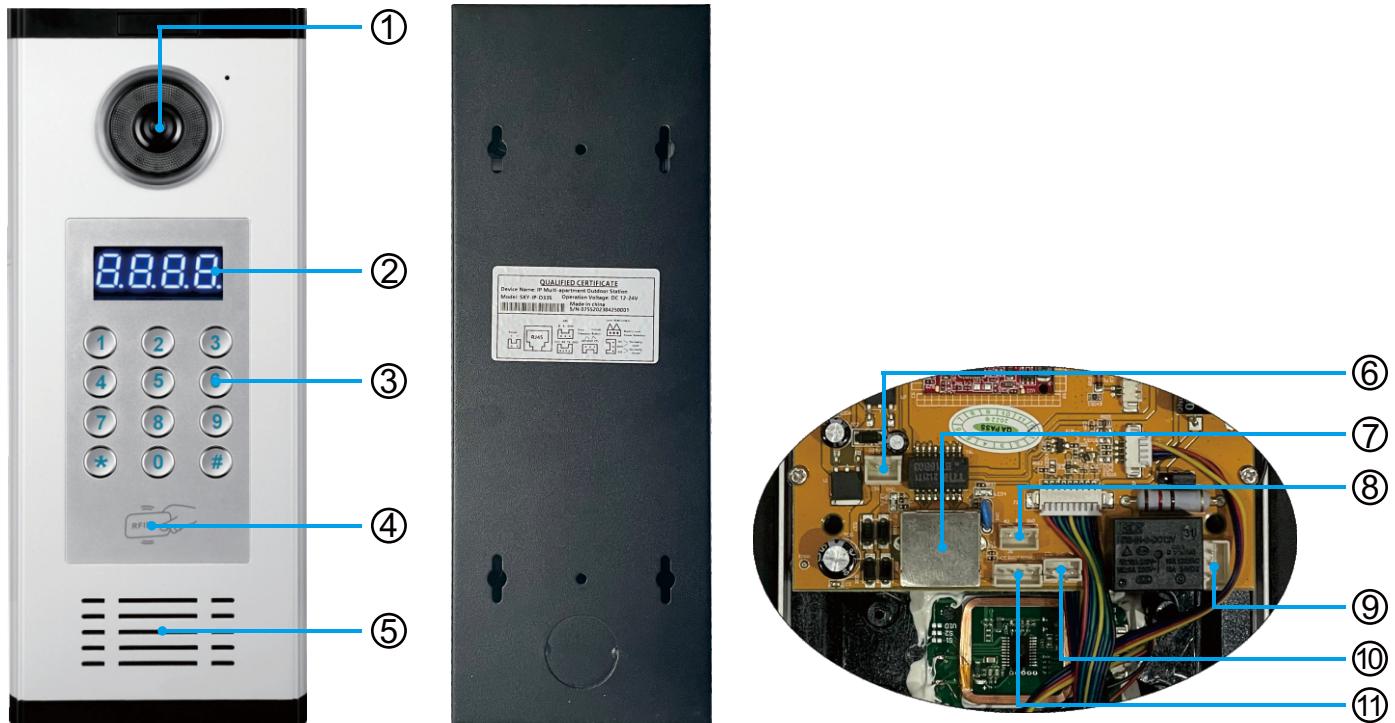
IP Apartment Outdoor Station (IP Series)



Before using this product, read the Quick Guide carefully and save it for future referenceV4.0.

Overview - Outdoor Station

D33S



① Camera

④ Card Reader

⑦ Ethernet Port

⑩ Function: DET GND CTL

② LED Display

⑤ Speaker

⑧ RS485: GND A B

⑪ Debug: VCC RX TX GND

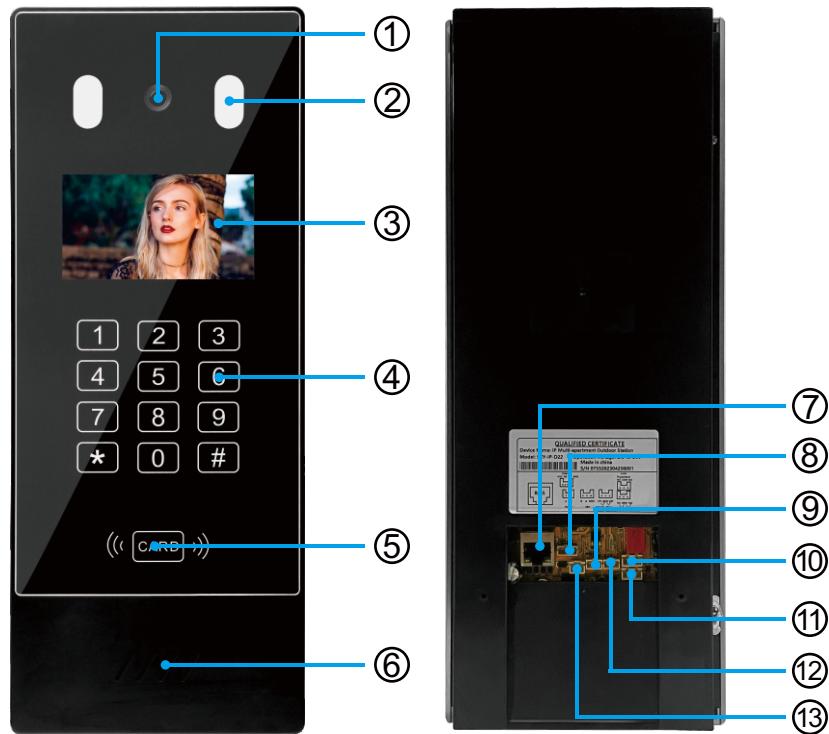
③ Button

⑥ Power: V+ V-

⑨ Lock: NC GND NO

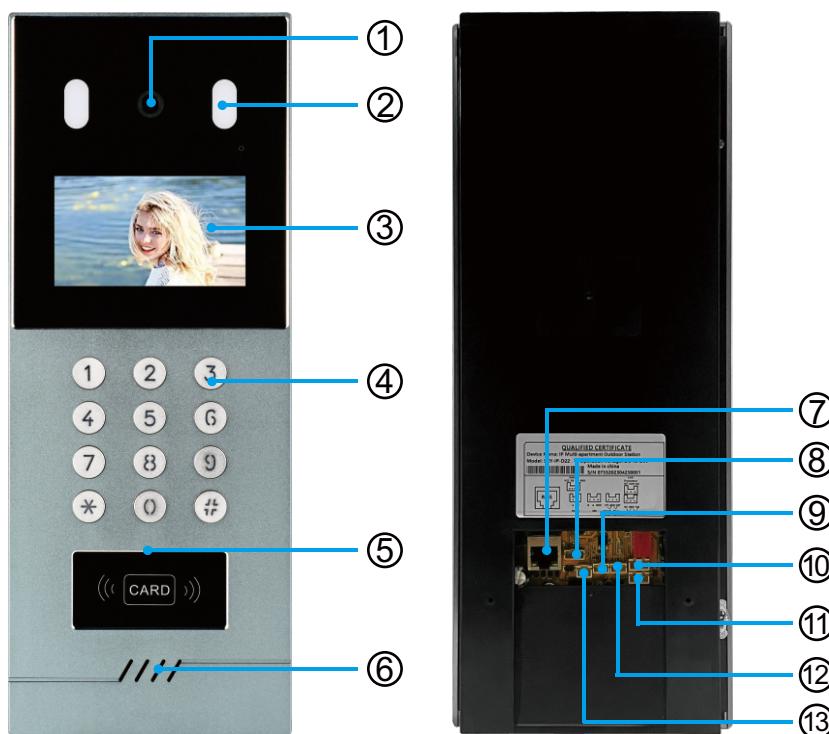
Overview - Outdoor Station

D17



- ① Camera
- ② LED
- ③ 4.3-inch LCD Screen
- ④ Touch Buttons
- ⑤ Card Reading Area
- ⑥ Speaker
- ⑦ Ethernet Port
- ⑧ Debug/VCC RX TX GND
- ⑨ 485/B A GND
- ⑩ NC COM NO
- ⑪ NC GND NO
- ⑫ CTL GND DET
- ⑬ Power/+ -

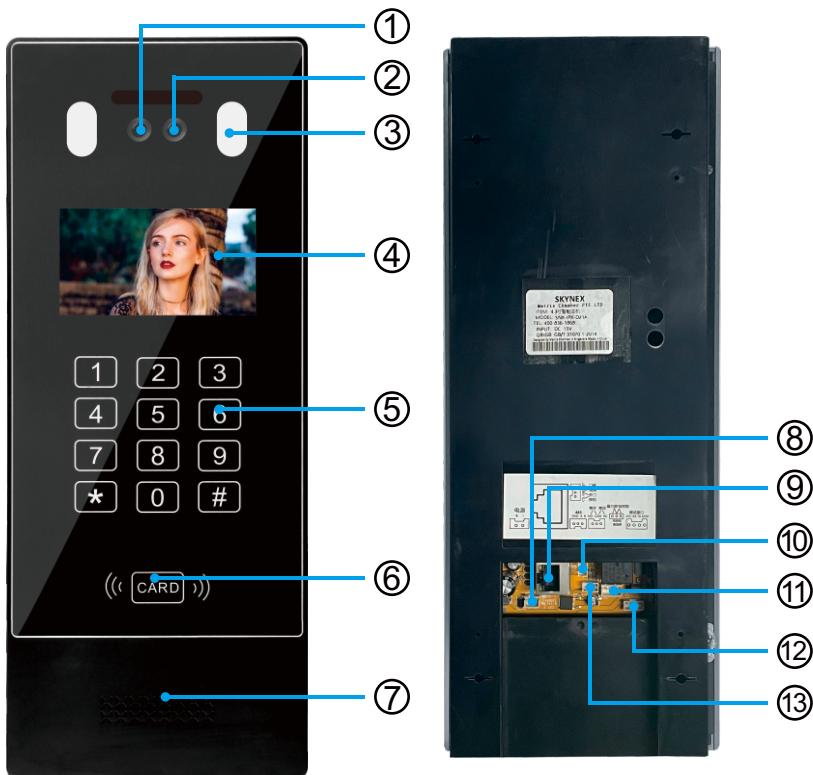
D22



- ① Camera
- ② LED
- ③ 4.3-inch LCD Screen
- ④ Buttons
- ⑤ Card Reading Area
- ⑥ Speaker
- ⑦ Ethernet Port
- ⑧ Debug/VCC RX TX GND
- ⑨ 485/B A GND
- ⑩ NC COM NO
- ⑪ NC GND NO
- ⑫ CTL GND DET
- ⑬ Power/+ -

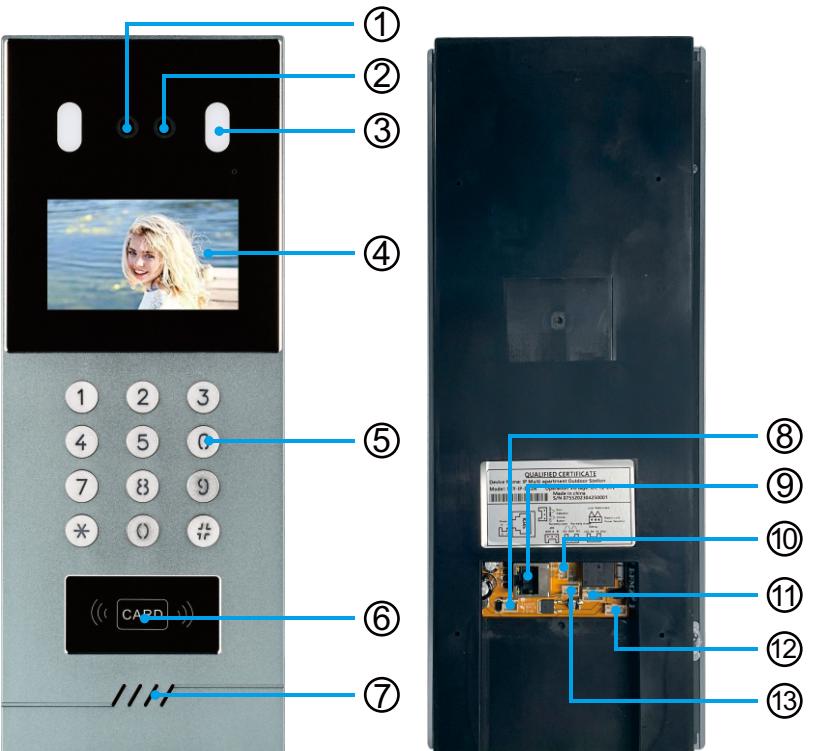
Overview - Outdoor Station

D21A



- ① Camera
- ② Infrared Compensation
- ③ LED
- ④ 4.3-Inch LCD Screen
- ⑤ Touch Buttons
- ⑥ Card Reading Area
- ⑦ Speaker
- ⑧ Power/+ -
- ⑨ Ethernet Port
- ⑩ CTL GND DET
- ⑪ NO COM NC
- ⑫ VCC RX TX GND
- ⑬ GND A B

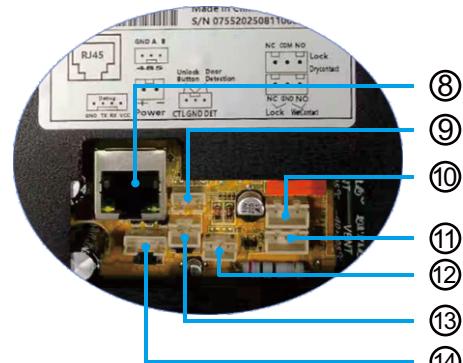
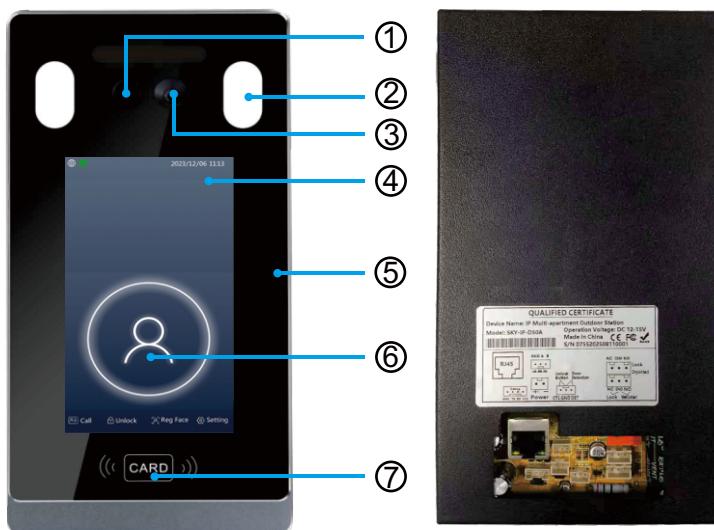
D22A



- ① Camera
- ② Infrared Compensation
- ③ LED
- ④ 4.3-Inch LCD Screen
- ⑤ Physical Buttons
- ⑥ Card Reading Area
- ⑦ Speaker
- ⑧ Power/+ -
- ⑨ Ethernet Port
- ⑩ CTL GND DET
- ⑪ NO COM NC
- ⑫ VCC RX TX GND
- ⑬ GND A B

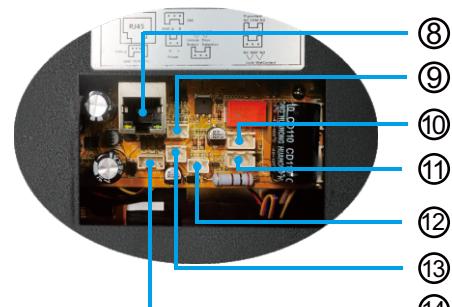
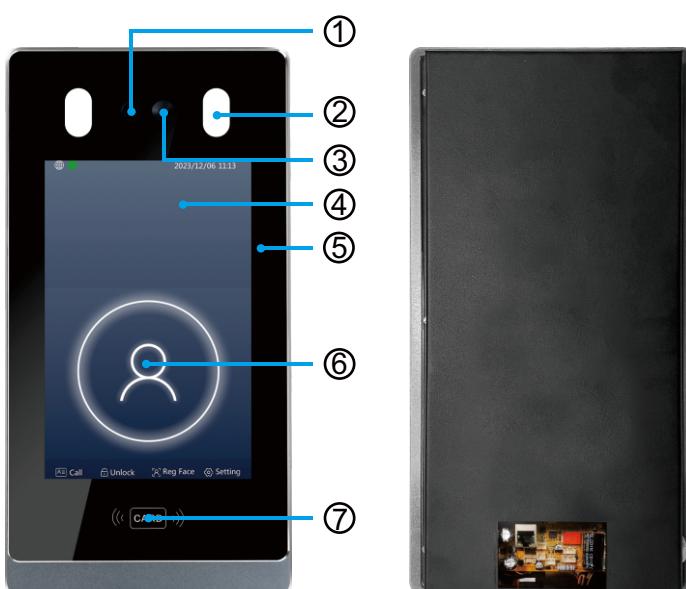
Overview - Outdoor Station

D50A



① Infrared Compensation	② LED	③ HD Camera
④ 10.1-inch TFT LCD	⑤ Aluminum Alloy Shell Material	⑥ Face Recognition
⑦ IC/ID Card Swiping	⑧ Ethernet Port	⑨ RS485 / GND AB
⑩ NC COM NO	⑪ NC GND NO	⑫ CTL GND DET
⑬ Power/ + -	⑭ GND TX RX VCC	

D30A



① Infrared Compensation	② LED	③ HD Camera
④ 10.1-inch TFT LCD	⑤ Aluminum Alloy Shell Material	⑥ Face Recognition
⑦ IC/ID Card Swiping	⑧ Ethernet Port	⑨ RS485 / GND AB
⑩ NC COM NO	⑪ NC GND NO	⑫ CTL GND DET
⑬ Power/ + -	⑭ GND TX RX VCC	

Overview - Outdoor Station

D10A



① Infrared Compensation

② LED

③ HD Camera

④ 10.1-inch TFT LCD

⑤ Aluminum Alloy Shell Material

⑥ Face Recognition

⑦ IC/ID Card Swiping

⑧ Ethernet Port

⑨ RS485 / GND A B

⑩ NC COM NO

⑪ NC GND NO

⑫ CTL GND DET

⑬ Power/ + -

⑭ GND TX RX VCC

Outdoor Station Installation

Door Station Options



Drilling

Drill screw holes at proper location for wall mounting plate.

Fix wall mounting plate

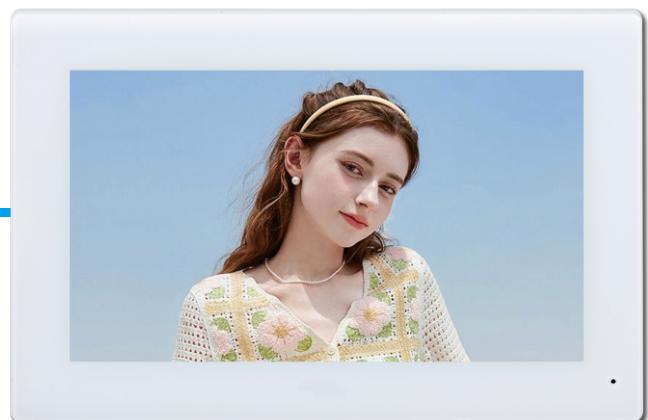
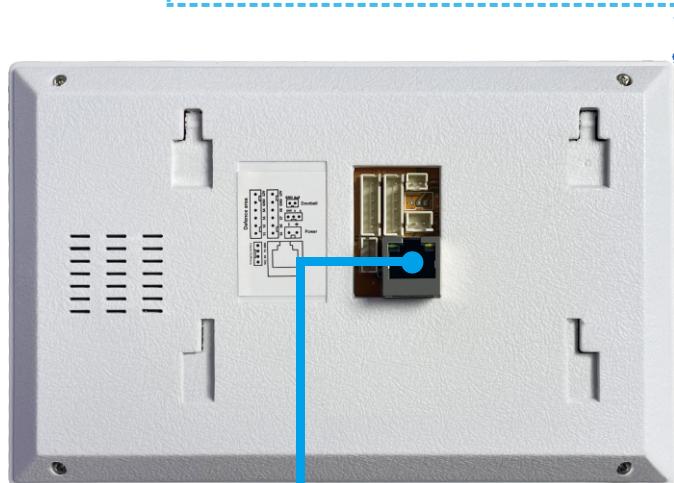
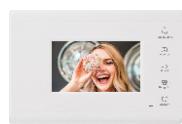
Fix the wall mounting plate to the wall with 4 screws.

Install outdoor station

Insert the outdoor station to the plate and fix it with 2 screws

IP System - Apartments

Indoor Monitor Options



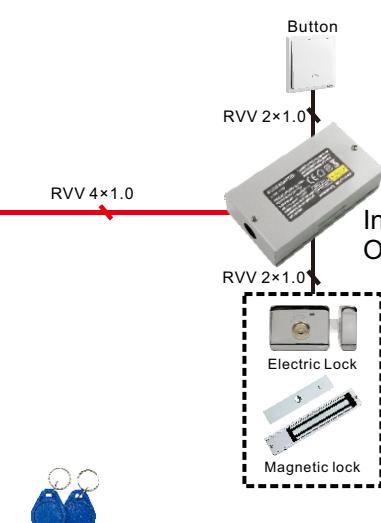
Cat 5 / Cat 6

Cat 5 / Cat 6



Non-Standard PoE Switch

Cat 5 / Cat 6



Input: AC 100-240V
Output: DC 12-15V 5A

IP System - Apartments

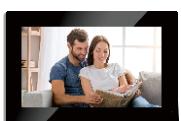
Indoor Monitor Options



M16A



M16B



M72T



M76T



M92T

Indoor Monitor

301



201



101



Cat 5 / Cat 6

Indoor Monitor

202



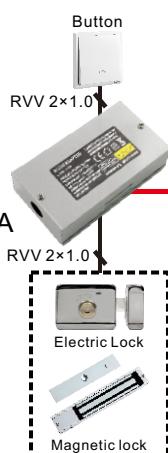
Indoor Monitor

102

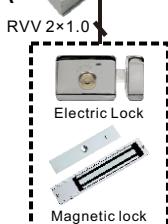


Non-Standard PoE Switch

Input: AC 100-240V
Output: DC 12-15V,5A



RVV 4x1.0



Door Station Options



8 Direct Buttons



16 Direct Buttons



LED Display Press Buttons



4.3" LCD Touch Buttons



4.3" LCD Press Buttons



4.3" LCD Press Buttons



5" LCD Touch Screen



8" LCD Touch Screen



10" LCD Touch Screen

IP System - Apartments

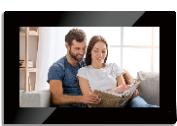
Indoor Monitor Options



M16A



M16B



M72T



M76T



M92T

Indoor Monitor

301



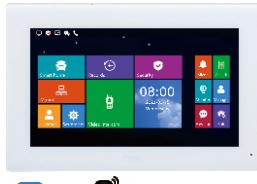
Indoor Monitor

201



Indoor Monitor

101



Cat 5 / Cat 6

Non-Standard PoE Switch

Cat 5 / Cat 6

302



Indoor Monitor

202



Indoor Monitor

102



Ethernet Switch

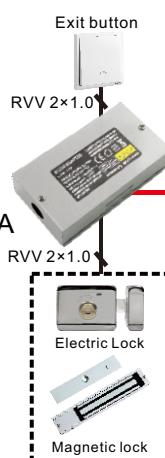


Cat 5 / Cat 6

AC 100-240V

DC 5V

Input: AC 100-240V
Output: DC 12-15V,5A



IC Card Issuer



PC Management Center

Guard Station

Door Station Options



8 Direct Buttons



16 Direct Buttons



LED Display Press Buttons



4.3" LCD Touch Buttons



4.3" LCD Press Buttons



4.3" LCD Touch Screen



5" LCD Touch Screen



8" LCD Touch Screen



10" LCD Touch Screen

Operations

Operations:

D33S

-Homepage: The time is displayed.

A digital display showing the time as 18:08 in red digits.

1. Call

-Call Apartment: Enter Apartment Number to call.

-Call Security: Enter **1000** to call Security.

2. Talk

-After answering the call, there are 60 seconds to communicate. Press **0** to extend the communicate time.

-During the communicating, press **4** to decrease the volume, or **6** to increase the volume. And press **#** to confirm.

3. Voice Help

-In standby, press **#** to play voice help:

-Input room number to call resident.

-Input **1000** to call guard station and PC Management Center.

-To adjust volume, press **4** to decrease, **6** to increase, and **#** to save during a call.

-During the call, press **0** to extend the call time.

-Press **#9#** to unlock with public password, press **#8#** to unlock with resident password.

4. Unlock by Resident Password

-In standby mode, press **#8#** to unlock, and **r** is displayed. Enter 4-digit Apartment Number (e.g. Apt No. is 1, enter 0001), and press **#** to confirm.

A digital display showing the letter 'r' in red.

-Then enter 6-digit resident password (set on Indoor Monitor), and press **#** to unlock.

A digital display showing the letter 'P' followed by three dashes in red.

-If this function is disabled, **Err4** is displayed and a voice "Function is disabled" appear.

Operations

5. Unlock by Public Password

- In standby mode, press **#9#** to unlock. Then input 6-digit password.
- Default password is 888888.

6. Card Unlock

- Swipe the registered card in card reading area to unlock.

7. System Settings

WARNING: System Settings must be operated by qualified technicians. And users should not access these settings.

Press **6789#** to enter system settings, P--- will be displayed and voice prompt will be “Please enter password”.

P ---

Enter 6-digit password and press **#** to confirm. S--- is displayed when in system setting.

S ---

The password to enter the system settings is 666666.

7.1 Voice Help

- In System Settings, press **#** to display voice help:
- Enter the 2-digit function code, and press **#** to confirm.
- 01** view system information;
- 02** change outdoor unit address;
- 03** unlock delay setting;
- 04** door sensor delay setting;
- 05** disable or enable door sensor;
- 06** change administrator password;
- 07** change public unlock password;
- 08** disable or enable public unlock password;
- 09** disable or enable resident unlock password;
- 10** ring volume setting;
- 88** time setting;
- 99** exit system setting.

-Press any key will stop the voice.

7.2 System Info

- Press **01#** to view System Info. In System Info, press **#** to turn the page.
- Id is Address ID; IP is IP Address; S is Software Version; C is Configuration Version.

Operations

Id-2 IP- | 5-20
C-95

7.3 Address

-Press **02#** to set Address. When Id-- is displayed, enter 13-digit address code: [1-digit] Device type - [2-digit] Zone - [2-digit] Building - [2-digit] Unit - [4-digit] APT - [2-digit] Station, and press # to confirm.

Id--

7.4 Unlock Duration Setting

-Press **03#** to set Unlock Duration: Enter 2-digit number (e.g. 01 to set unlock duration in 1 second) > Tap # to confirm.

7.5 Door Sensor Duration Setting

-Press **04#** to set Door Sensor Duration: Enter 2-digit number (e.g. 30 to set door sensor duration in 30 seconds) > Tap # to confirm.

7.6 Door Sensor

-Press **05#** to enable or disable Door Sensor: Press **4#** to disable, **8#** to enable.

-Door Sensor State **On** or **OFF** is shown on screen. When the state is changed successfully, **PASS** is shown.

On OFF PASS

7.7 Admin Password

-Press **06#** to set Admin Password: Enter 6-digit Admin Password > Press # to confirm.

P---

7.8 Public Unlock Password

-Press **07#** to set Public Unlock Password: Enter 6-digit Unlock Password > Press # to confirm.

P---

Operations

7.9 Disable or Enable Public Unlock Password

- Press **08#** to disable or enable unlock by Public Password. Press **4#** to disable, press **8#** key to enable.
- Function State **On** or **OFF** is displayed. When the state is changed successfully, **PASS** is shown.

On OFF PASS

7.10 Disable or Enable Resident Unlock Password

- Press **09#** to disable or enable unlock by Resident Password. Press **4#** to disable, press **8#** key to enable.
- Function State **On** or **OFF** is displayed. When the state is changed successfully, **PASS** is shown.

On OFF PASS

7.11 Ringtones Volume

- Press **10#** to set Ringtones Volume: Enter a number between 1-5 > Press **#** to confirm.
- Current Volume is displayed.

005

7.12 Date and Time

- Press **88#** to set Date and Time: Enter [4-digit] Year – [2-digit] Month – [2-digit] Day – [2-digit] Hour – [2-digit] Minute (e.g. 202506141625 is 2025/06/14 16:25) > Press **#** to confirm.

7.13 Exit System Settings

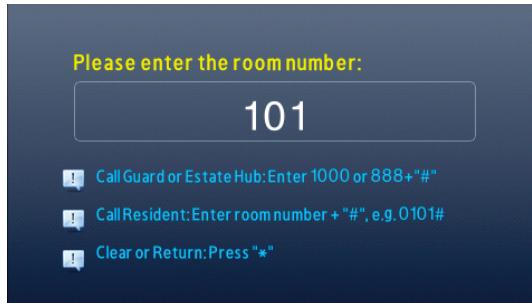
- Press **99#** to exit System Settings.

Operations

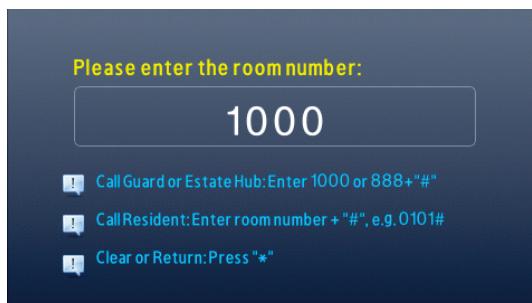
Operations: (Follow the on-screen instructions.) D17, D22, D21A, D22A

1. Call

- Call Resident: In **Main**, enter **Apartment Number** > Press # to call.



- Call Security: In **Main**, enter **1000** or **888** > Press # to call.



2. Password Unlock

- Private Password Unlock: In **Main**, Press # > Press 1 > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Press # > Enter [6-digit] **Private Password** (set in indoor monitor) > Press # to unlock.
- Building Access Code Unlock: In **Main**, Press # > Press 2 > Enter [6-digit] **Building Access Code** (set in outdoor station by administrator) > Press # to unlock. (Default: 668899)
- In emergency, enter the code backward (e.g. 998866) to silently alert management office and guard station.

3. System Settings

WARNING: System Settings must be operated by qualified technicians. End user should not access these settings.

- Go to **System Settings - Model D21A/D22A**: In **Main**, Press # > Press 3.
- Go to **System Settings - Model D17/D22**: In **Main**, Press # > Press 0.
- To enter **System Settings**, administrator password is required. (Default: 666666)
- In **System Settings**, press **4** to move left or **6** to move right to select function setting. Then press # to enter.

Operations

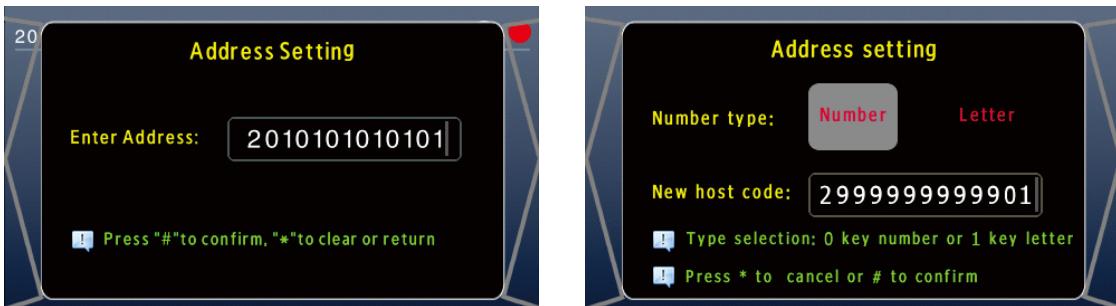
3.1 System Info

- View **System Info**: Select **System Info** > Press # to view.



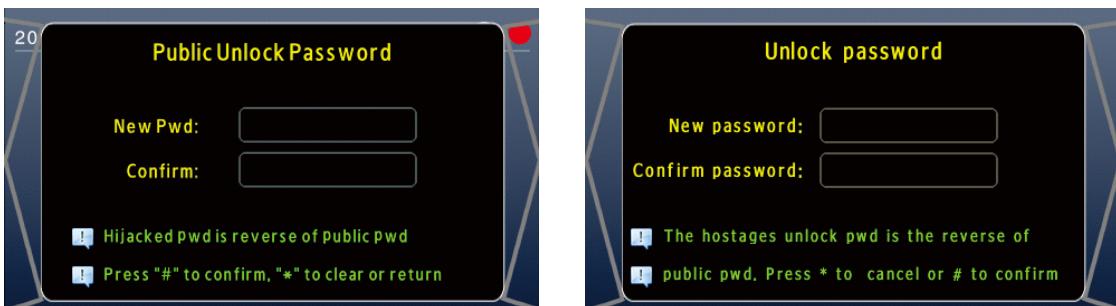
3.2 Address

- Address (a 13-digit code) Setting: Enter [1-digit] **Device Type** - [2-digit] **Zone Number** - [2-digit] **Building Number** - [2-digit] **Unit Number** - [4-digit] **Apartment Number** - [2-digit] **Station Number** > Press # to confirm.
- Device Type: 2 - Unit Outdoor Station; 7 - Gate Station.



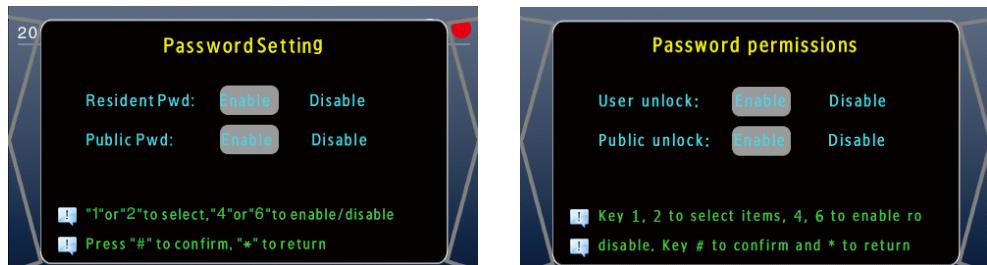
3.3 Access Code

- Building Access Code Setting: Enter [6-digit] new **Access Code** > Enter the new **Access Code** again. (Default: 668899)



3.4 Access Sett (Access Settings)

- Private Password Unlock / Building Access Code Unlock: Press 1 or 2 to select> Press 4 to disable or 6 to enable > Press # to confirm.



Operations

3.5 Volume

- Call / Ring / Click Volume Setting: Press **1**, **2** or **3** to select > Press **4** or **6** to adjust > Press # to confirm or * to return.



3.6 Unlock Sett (Unlock Settings)

- Unlock Duration Setting: Set the **Duration** (1-10 seconds) > Press # to confirm.



3.7 DoorMag (Door Magnetic Sensor Settings)

- Door Sensor Setting: Press **4** to disable or **6** to enable > Press # to confirm.
- Alert Delay Setting: Enter the **Delay Time** in seconds > Press # to confirm.



3.8 Language

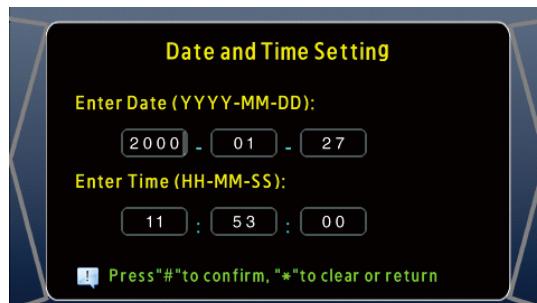
- Language Setting: Press **4** or **6** to select a language > Press # to confirm.



Operations

3.9 Date & Time

- Date & Time Setting: Enter **Date** and **Time** > Press # to confirm.



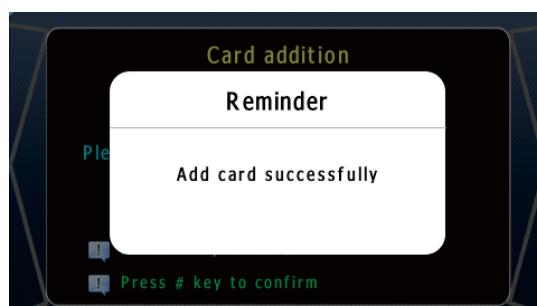
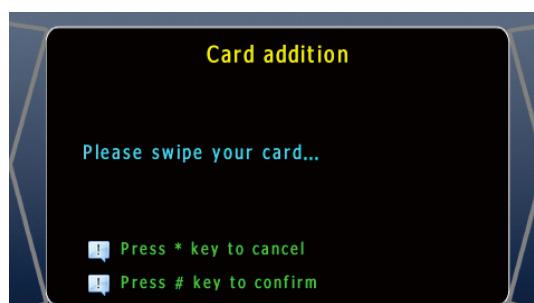
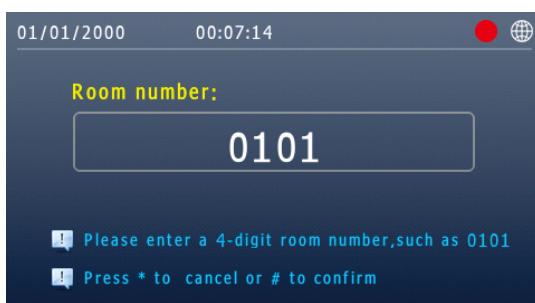
3.10 Admin Pwd (Administrator Password)

- Administrator Password Setting: Enter **Current Pwd** > Enter **New Pwd** > Enter **New Pwd** again > Press # to confirm.



3.11 Card Mgmt (Card Management)

- Add Card: In **Card Management**, press 1 > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Tap the card.



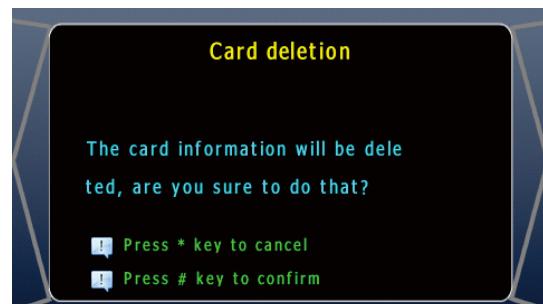
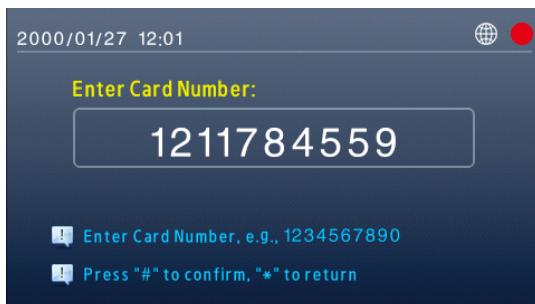
Operations

- Delete Card:

Go to Delete Card: In **Card Management**, press 2.



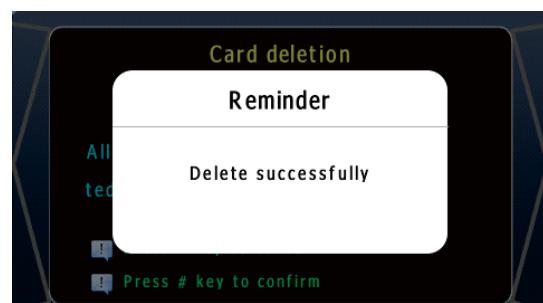
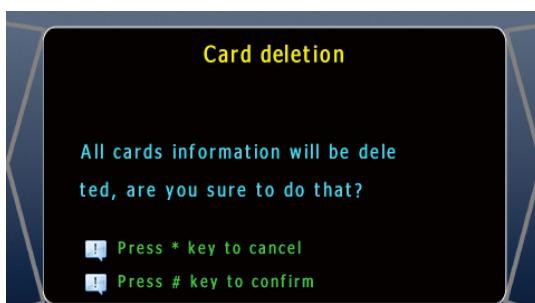
- Delete Card via Card Number: In **Delete Card**, press 1 > Enter the **Card Number** or tap the card > Press # to confirm.



- Delete Card via Apartment Number: In **Delete Card**, press 2 > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Press # to delete > Press # to confirm.



- Delete All Cards: In **Delete Card**, press 3 > Press # to confirm.



Operations

- Sync Card Data (Synchronize Card Data): In **Card Management**, press **3**.
- 3.12 Restore
- Restore Factory Setting: Press # to confirm.



3.13 Advanced (Advanced Settings)

- Advanced Settings - **Model D17/D22**

Ring / Talk Duration Setting: Press **2** or **8** to select > Press **4** or **6** to set duration > Press # to confirm.

Device Floor Setting: Enter a **Floor Code** (0-5) > Press # to confirm.

Note: **0 - Ground Floor, 1 - B1 Floor, 2 - B2 Floor, 3 - B3 Floor, 4 - B4 Floor, 5 - B5 Floor.**

- Advanced Settings - **Model D21A/D22A**

Anti-Disassembly Alert Setting: Press **2** or **8** to select > Press **4** to disable or **6** to enable. > Press # to confirm.

Video Resolution: Press **2** or **8** to select > Press **4** or **6** to select a resolution. > Press # to confirm.

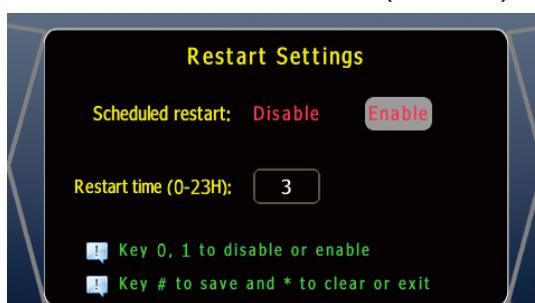
Ring Duration / Call Duration / Sleep Delay Setting: Press **2** or **8** to select > Press **4** or **6** to select a duration > Enter **Duration** > Press # to confirm.

Screen On Hours Setting: Press **2** or **8** to select > Press **4** or **6** to select start or end hour > Enter **Hour** (0-23) > Press # to confirm.



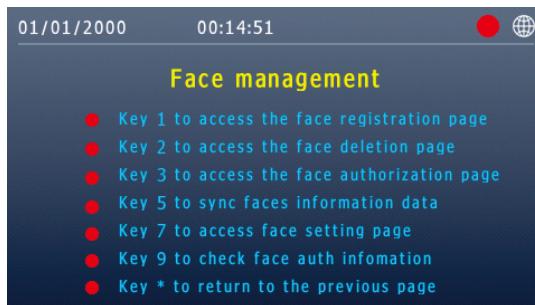
3.14 Rst Sett (Restart Settings) - **Model D21A/D22A Only**

- Scheduled Restart Setting: Press **0** to disable or **1** to enable > Press # to save.
- Restart Time: Enter a value between **0** and **23** (hours) > Press # to confirm.

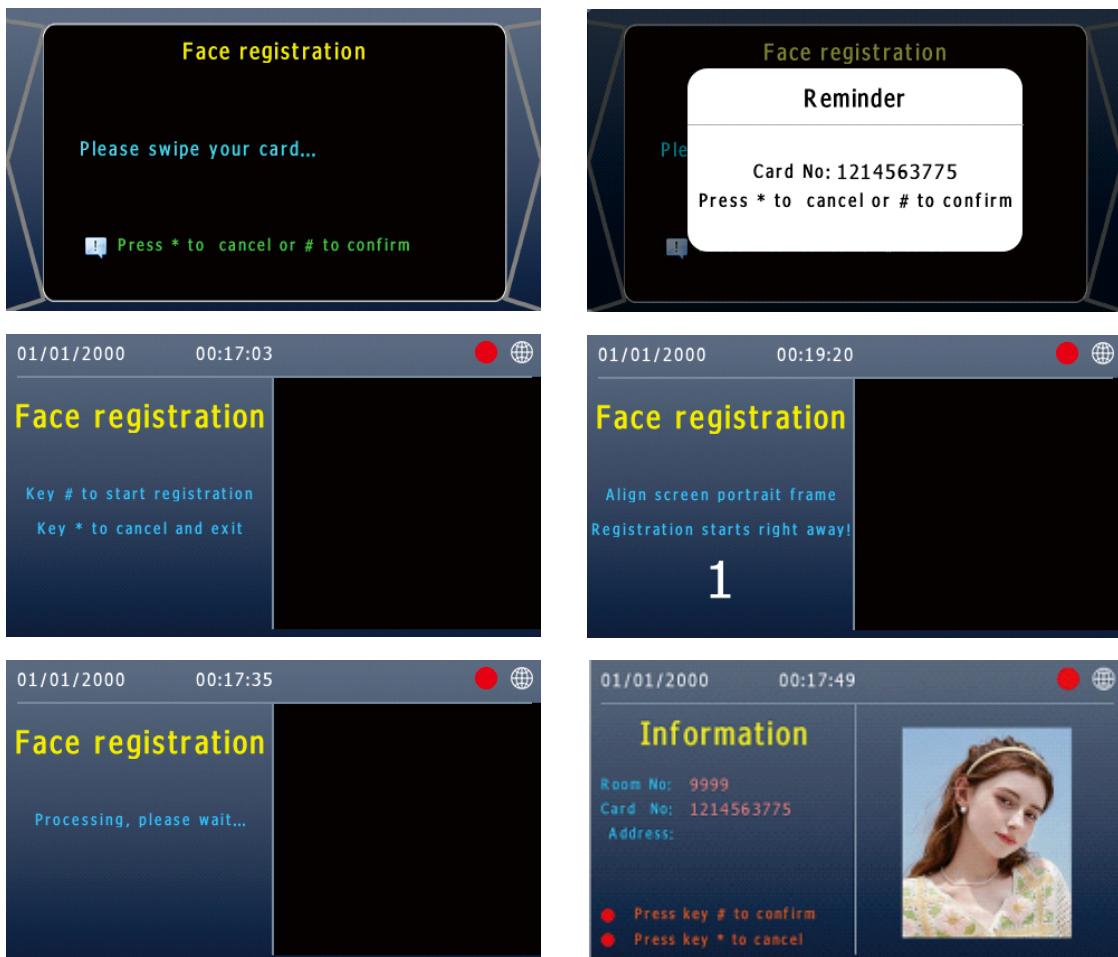


Operations

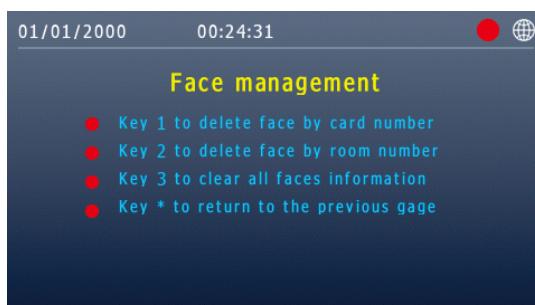
3.15 Face Mgmt (Face Management) - Model D21A/D22A Only



- Enter Face Management: Enter **Face Management Password** (Default: 123456)
- Enter **Authorization Code** (Default:666888)
- Face Enrollment: In **Face Management**, Press 1 > Tap a valid Card on the card reader > Press # to confirm card number > Face enrollment will start > After enrollment is completed, press # to confirm or * to cancel.

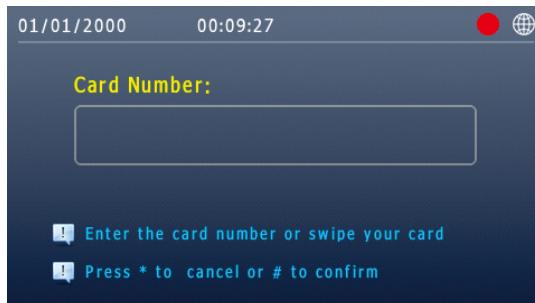


- Delete Face: In **Face Management**, Press 2 to enter **Delete Face**.

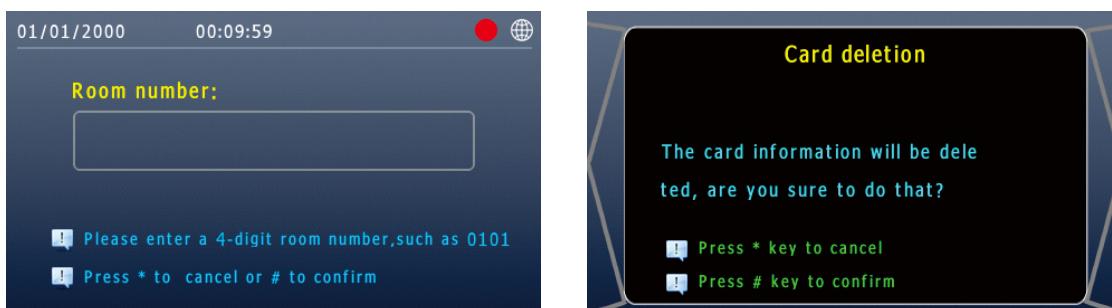


Operations

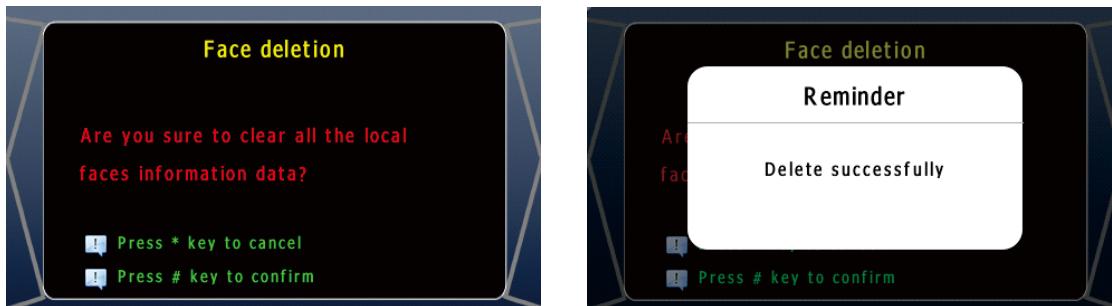
- Delete Face via Card Number: In **Delete Face**, Press 1 > Enter the **Card Number** or tap the card > Press # to delete > Press # to confirm.



- Delete Face via Apartment Number: In **Delete Face**, press 2 > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Press # to delete > Press # to confirm.



- Delete All Face Data: In Delete Face, press 3 > Press # to confirm.

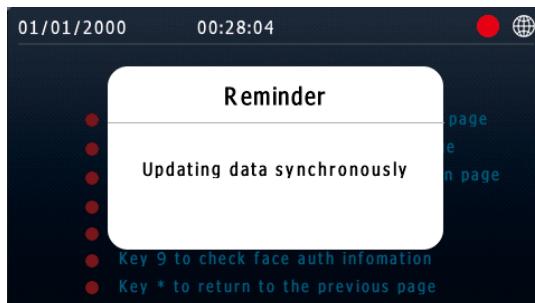


- Face Authorization: In **Face Management**, Press 3 > Enter **Authorization Code** > Press # to confirm. (Default: 666888)

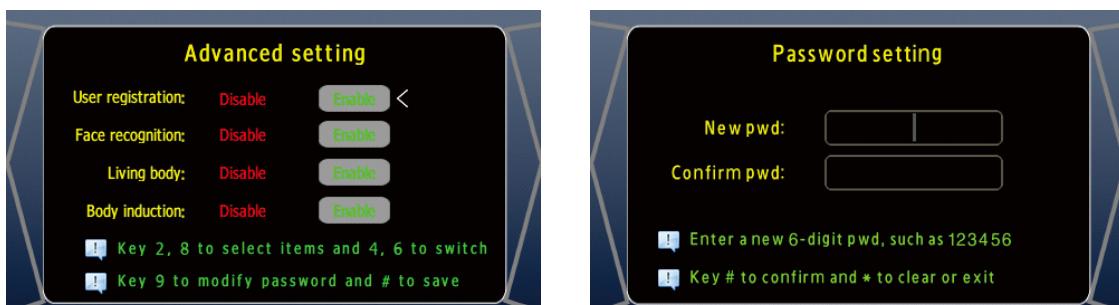
Note: Re-authorization PERMANENTLY DELETES all local face data. Synchronize first.

- Sync Face Data (Synchronize Face Data): In **Face Management**, Press 5.

Operations



- Face Settings: In **Face Management**, Press **7** to enter **Face Settings**.
 - Face Enrollment (by Resident): Press **2** or **8** to select > Press **4** to disable or **6** to enable.
 - Face Recognition: Press **2** or **8** to select > Press **4** to disable or **6** to enable.
 - Living Detection: Press **2** or **8** to select > Press **4** to disable or **6** to enable.
 - Motion Sensor (Face Recognition Triggered by Motion Sensor): Press **2** or **8** to select > Press **4** to disable or **6** to enable.
- Change Password (Change Face Management Password): In **Face Settings**, press **9** > Enter new **Password**.



- Authorization Information: In **Face Management**, press **9** to view.



3.16 Elevator Control

- Call Mode Setting: Tap **4** or **6** to select > Tap **#** to save.
- Lowest/Current Floor: Tap **4** or **6** to select > Tap **#** to save.



Operations

4. Face Enrollment (by Resident) - **Model D21A/D22A Only**

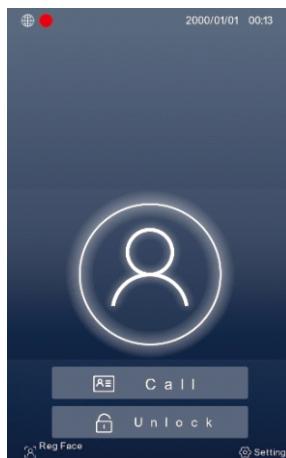
- Face Enrollment (by Resident): If Face Enrollment (by Resident) is enabled, in **Main**, press # to enter **Options** > Press 5 to enter **Face Enrollment** > Follow the Face Enrollment instructions in section 3.15.

Operations:

(Follow the on-screen icon instructions.)

D10A, D30A, D50A

Main Page



1. Call

Call Resident: In **Main**, tap **Call** > Enter **Apartment Number** > Tap **OK** to call.

Call Security: In **Main**, tap **Call** > Enter 888 or 1000 or tap **Security** to call.



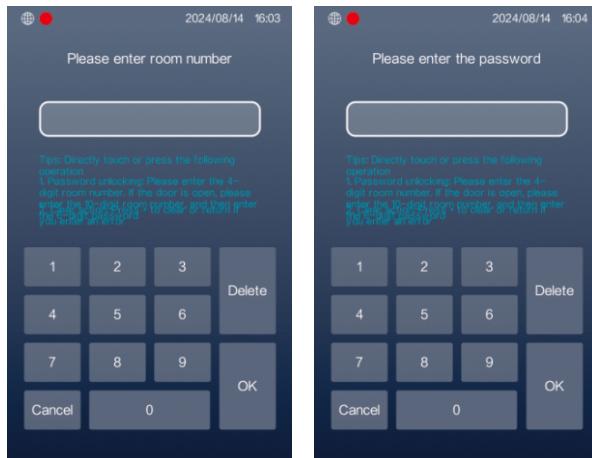
2. Password Unlock

- Go to Password Unlock: In Main, tap **Unlock**.

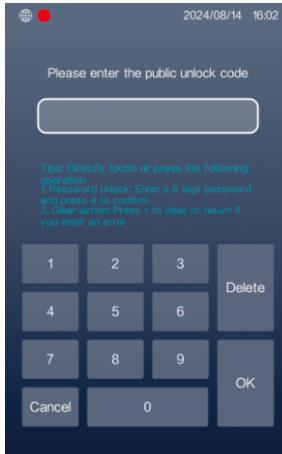


Operations

- Private Password Unlock: In Password Unlock, tap Private Password Unlock > Enter Apartment Number > Tap OK > Enter [6-digit] Private Password (set in indoor monitor) > Press OK to unlock



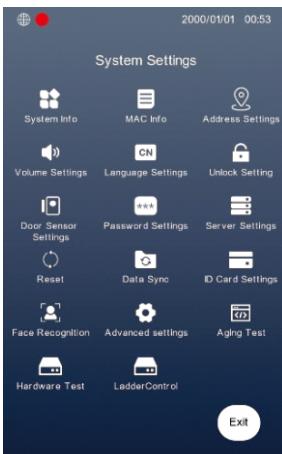
- Building Access Code Unlock: In Password Unlock, tap Building Access Code Unlock > Enter Building Access Code > Tap OK to unlock. (Default: 668899)



3. Settings

WARNING: System Settings must be operated by qualified technicians. End users should not access these settings.

- Go to System Settings: In Main, tap Settings > Enter Administrator Password > Tap OK to confirm. (Default: 666666)
- In Settings, tap labeled buttons to enter the desired function page.



Operations

3.1 System Info



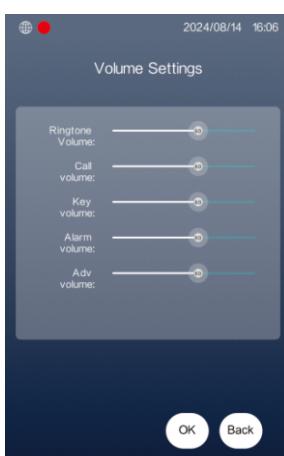
3.2 Address Setting

- Address (a 13-digit code) Setting: Enter [1-digit] **Device Type** - [2-digit] **Zone Number** - [2-digit] **Building Number** - [2-digit] **Unit Number** - [4-digit] **Apartment Number** - [2-digit] **Station Number** > Press OK to confirm.
- Device Type: 2 - Unit Outdoor Station; 7 - Gate Station.



3.3 Volume Settings

- Volume Settings: Slide to adjust **Ring**, **Call**, **Click**, **Alarm**, or **Advertisement(Ad) Volume** > Tap **OK** to confirm.



Operations

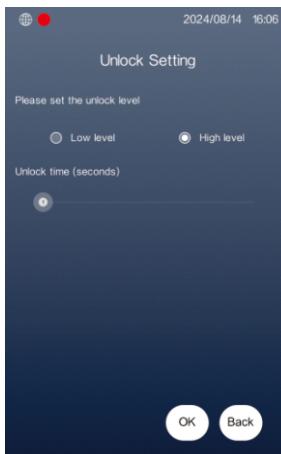
3.4 Language Setting

- Language Setting: Select a language > Tap **OK** to confirm.



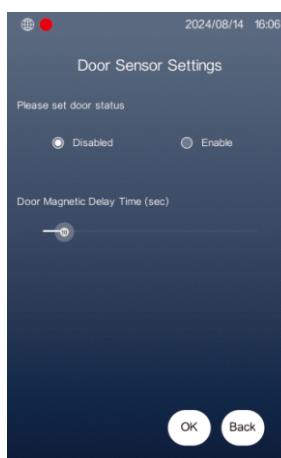
3.5 Unlock Settings

- Unlock Duration Setting: Slide to set the unlock duration (in seconds) > Tap **OK** to confirm.



3.6 DoorMag Settings (Door Magnetic Sensor Settings)

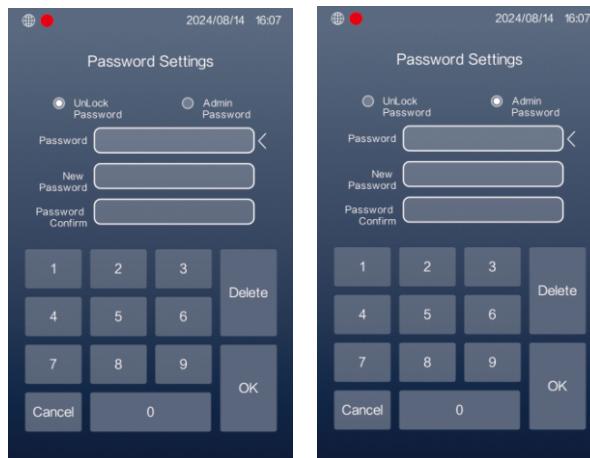
- DoorMag Sensor Setting: Tap to enable or disable > Tap **OK** to confirm.
- Alert Delay Setting: Slide to set the delay (in seconds) > Tap **OK** to confirm.



Operations

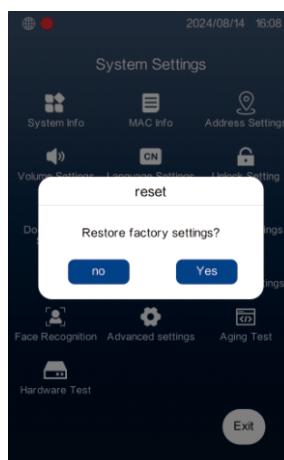
3.7 Password Settings

- Building Access Code / Admin Password Setting: Tap to select the password type > Enter **Current Password** > Enter **New Password** > Confirm **New Password** > Tap OK to confirm.



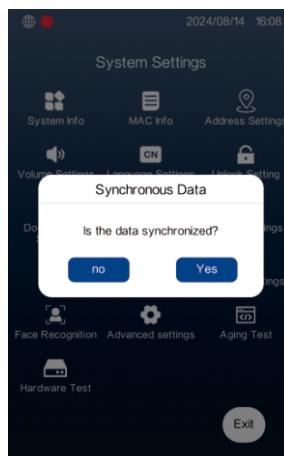
3.8 Restore

- Restore Factory Settings: Tap **Restore** > Tap **Yes** to restore or **No** to cancel.



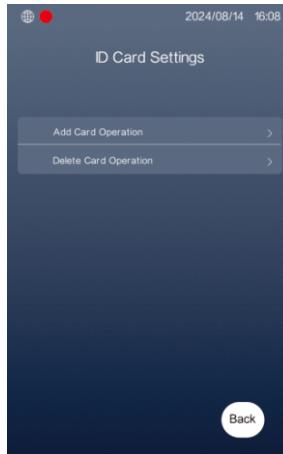
3.9 Data Sync (Data Synchronization)

- Synchronize Card and Face Data: Tap **Data Sync** > Tap **Yes** to sync or **No** to cancel.

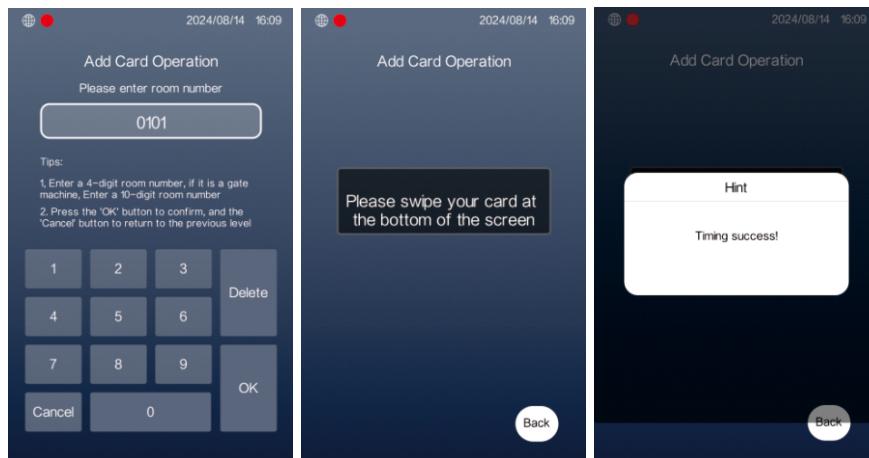


Operations

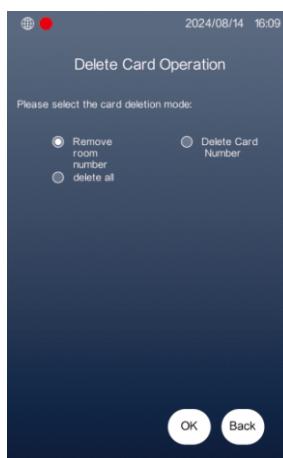
3.10 Card Management



- Add Card: In **Card Management**, tap **Add Card** > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Tap the card.

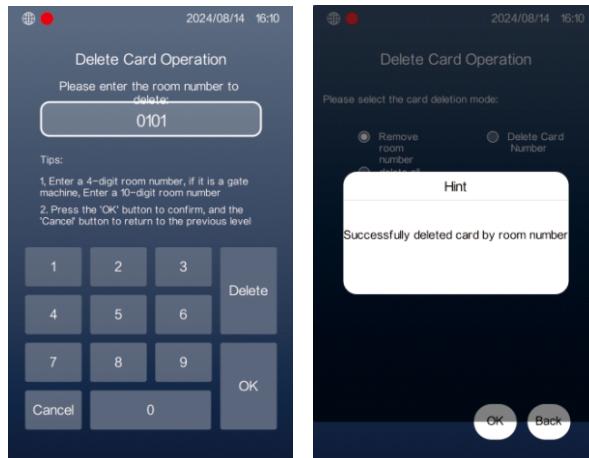


- Delete Card: In **Card Management**, tap **Delete Card**.

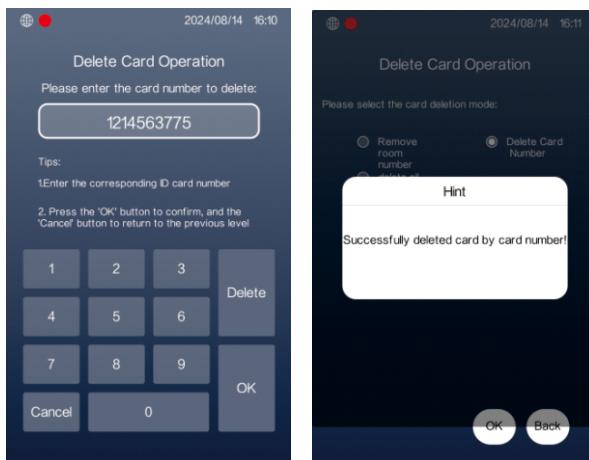


- Delete Via APT (Apartment) Number: Tap **Delete via APT Number** > Tap **OK** > Enter [4-digit] **Apartment Number** (e.g. for apartment number 1, enter 0001) > Tap **OK** to delete.

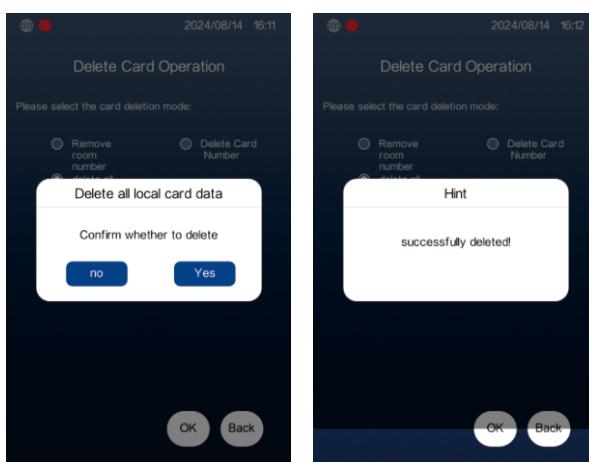
Operations



- Delete via Card Number: Tap **Delete via Card Number** > Tap **OK** > Enter the **Card Number** or tap the card > Tap **OK** to delete.



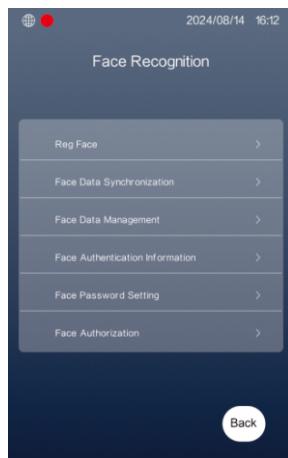
- Delete All Cards: Tap **Delete All** > Tap **OK** > Tap **Yes** to delete or **No** to cancel.



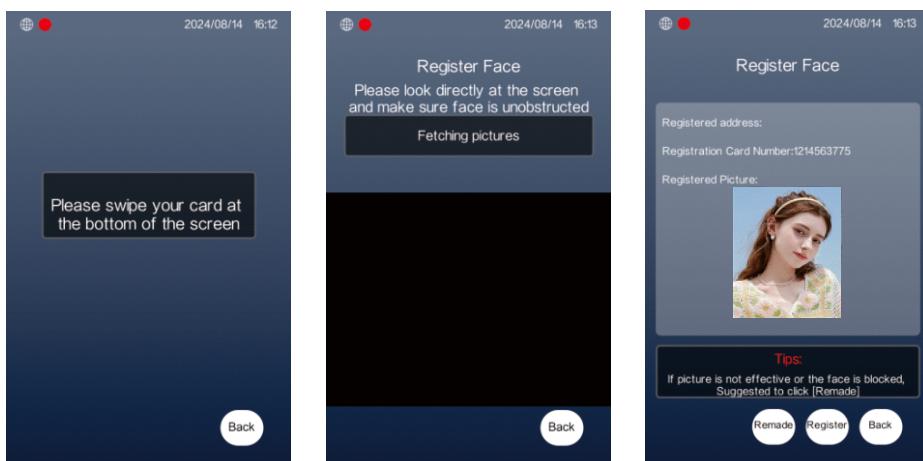
Operations

3.11 Face Management

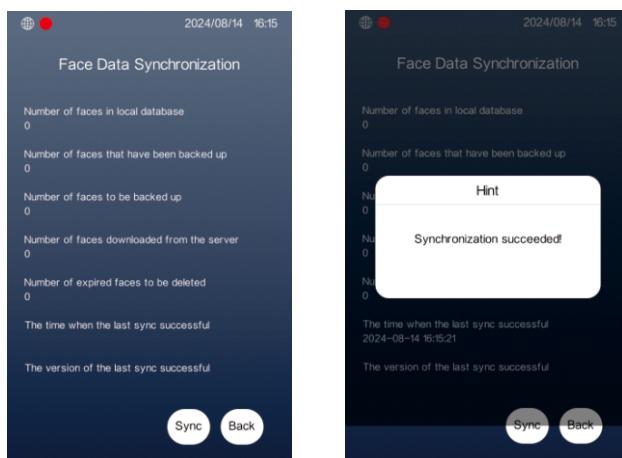
- In **Face Management**, Tap to enter desired function page.



- Face Enrollment: Tap **Enroll Face** > Tap a valid card on the card reader > Face enrollment will start > After enrollment is completed, tap **Retake** to capture another face photo or tap **Enroll** to confirm.



- Face Data Sync (Face Data Synchronization): Tap **Face Data Sync** to enter the page > tap **Sync** to synchronize face data with PC Management Center.



Operations

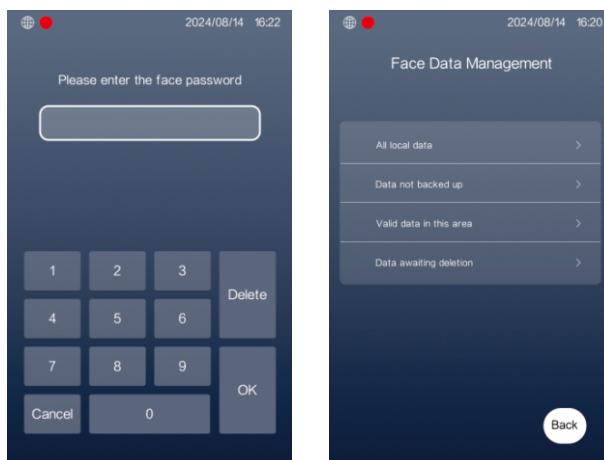
- Face Data Management: Tap to show the following categories:

All Local Data: All face data stored in the outdoor station.

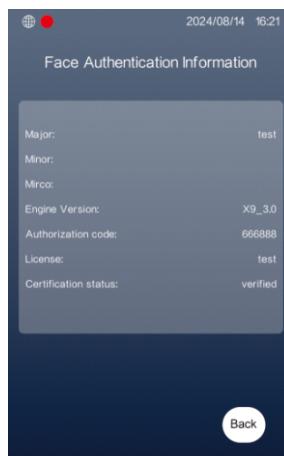
Unbacked Data: Face data stored in the outdoor station but not backed up in the PC Management Center.

Regionally Valid Data: Face data with access rights granted for this outdoor station.

Data Pending Deletion: Face data removed from the PC Management Center that should also be removed from the outdoor station. These records will be deleted after synchronization.

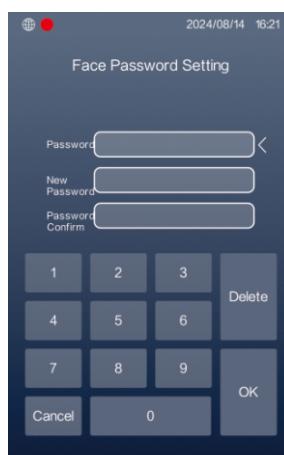


- Face Authentication Info:



- Face Password Setting:

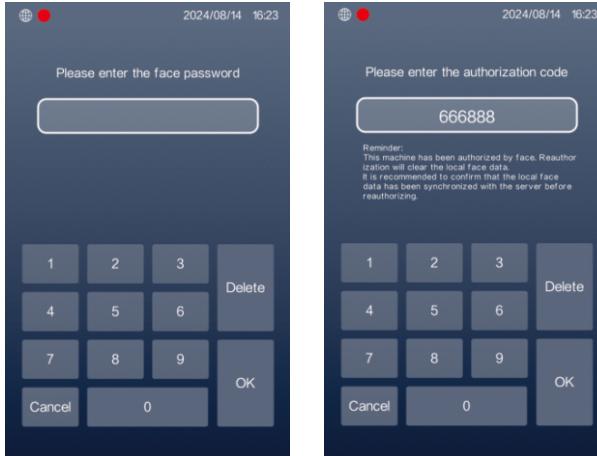
- Change Face Management Password: Enter **Current Password** > Enter **New Password** > Confirm **New Password** > Tap **OK** to confirm. (Default: 123456)



Operations

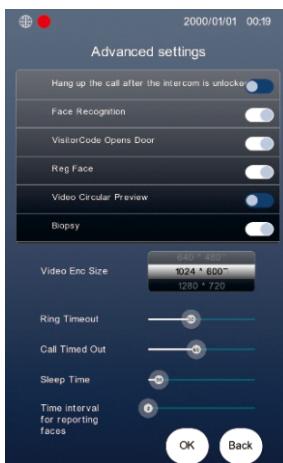
- Face Authorization: Enter Face Authorization Code to enable face recognition (Default: 666888)

Note: Re-authorization PERMANENTLY DELETES all local face data. Synchronize first.



3.12 Advanced Settings:

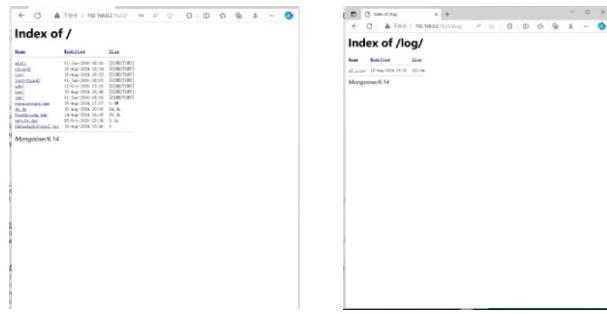
- Video Encode Size: Tap to set the output video resolution (640*480, 1024*600, 1280*720).
- Ring / Call / Screen Saver Timeout: Slide to set the timeout duration (in seconds).
- Auto-End Call After Unlock: Tap to enable or disable.
- Face Recognition: Tap to enable or disable.
- Enroll Face by Resident: Tap to enable or disable.
- Circular Face Preview (changes face preview shape from square to circle): Tap to enable or disable.
- Liveness Detection: Tap to enable or disable.



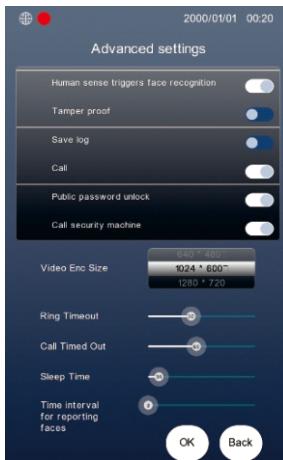
- Motion-Triggered Face Recognition (starts face recognition when motion is detected): Tap to enable or disable.
- Tamper Detection: Tap to enable or disable.
- Log Retention (determines whether system keeps operation logs for debugging): Tap to enable or disable.

Check Log: Connect to a computer > Enter outdoor station's IP and port: **16222** in a browser (e.g., if the IP address is 192.168.0.2, enter 192.168.0.2:16222) > locate the log file.

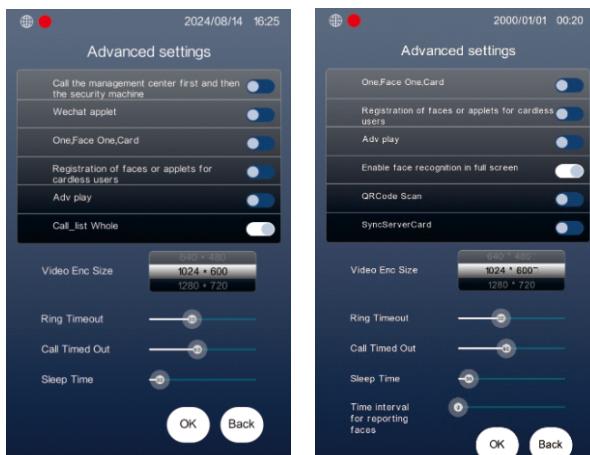
Operations



- Call (calls a resident): Tap to enable or disable.
- Building Access Code Unlock: Tap to enable or disable.
- Call Security: Tap to enable or disable.



- First Call Mgmt Office, then Security (determines whether the PC Management Center is called first, or security/guard station is called first): Tap to enable or disable.
- One Face per Card (each card can only be linked to one face): Tap to enable or disable.
- Cardless Face Enrollment (enrolls a face without tapping a card first): Tap to enable or disable.
- Ad Playback: Tap to enable or disable.
- Full-Screen Face Preview (shows the face preview in full-screen mode): Tap to enable or disable.

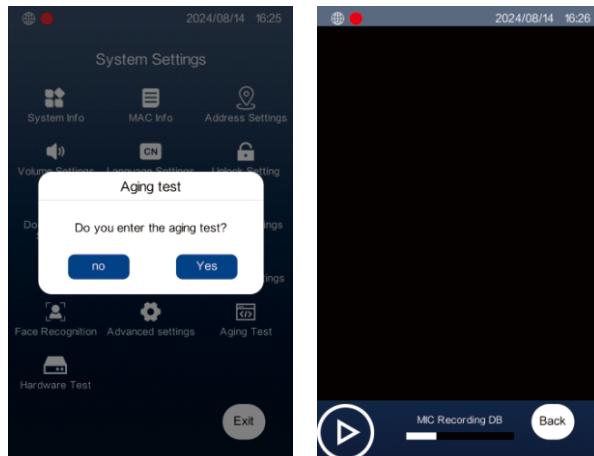


Operations

3.13 Aging test

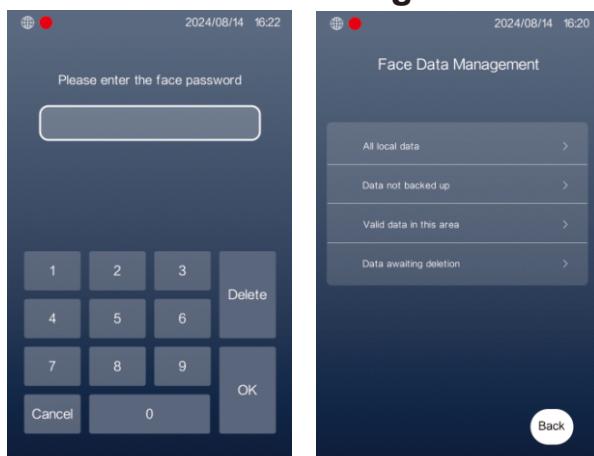
Note: This function is intended for factory testing before packing.

- Start Aging Test: Tap Yes to start > Follow the on-screen instructions to complete the test.

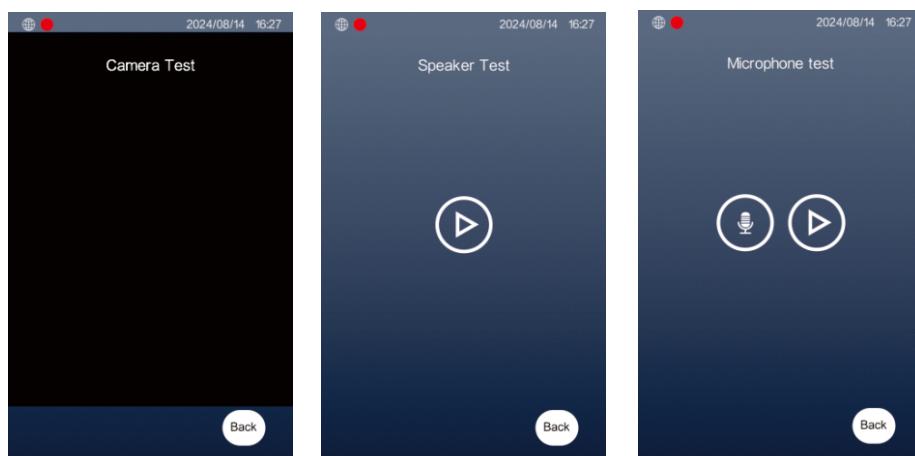


3.14 Hardware Test

Note: This function is intended for checking hardware functionality.

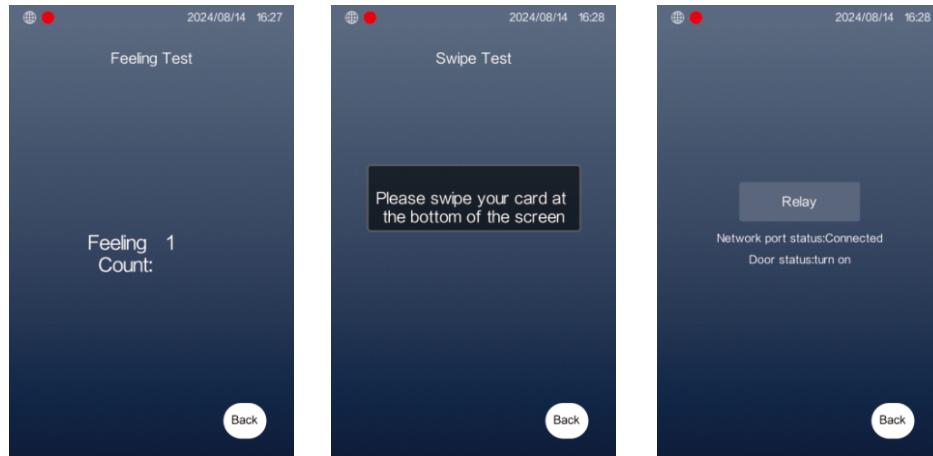


- Camera Test: Tap **Camera** > Check whether a clear image is shown in both the top and bottom video windows. The top video shows the image from the main camera used for video output. The bottom video shows the image from the camera used for liveness detection.
- Speaker Test: Tap **Speaker** > Check whether the sound can be heard clearly.
- Microphone Test: Tap **Microphone** > Tap **MIC** to start recording > Tap **Play** to verify audio playback.

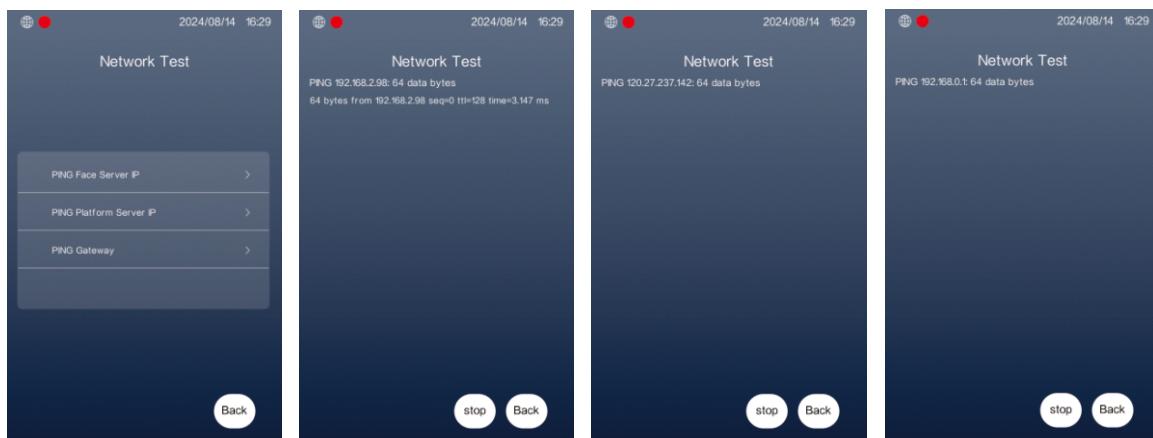


Operations

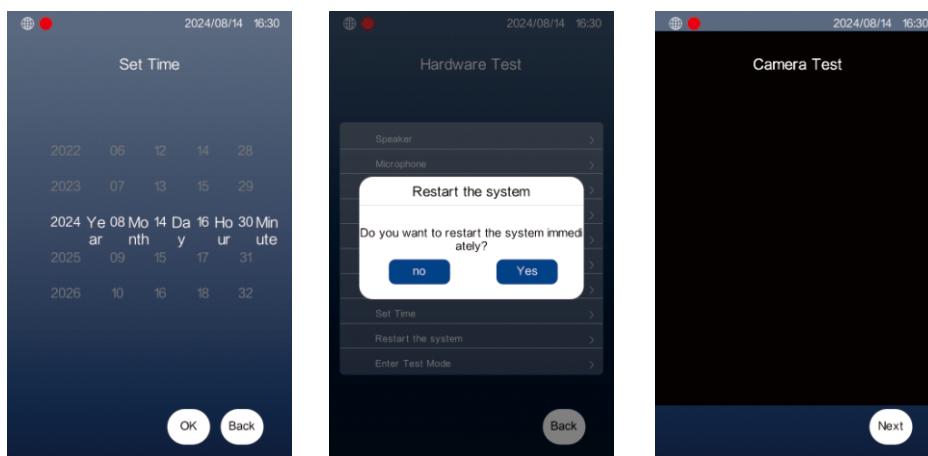
- Motion Sensor Test: Tap **Motion Sensor** > Move your body and check whether the motion count increases accordingly.
- Card Reader Test: Tap **Card Reader** > Tap a card and check whether the outdoor station generates sound feedback.
- Other (Relay Test): Tap **Other** > Tap **Relay** and check whether it operates correctly.



- Screen Test: Tap **Screen** > Tap the screen and check whether there are any dead pixels, lines, or other display issues.
- Network Test: Tap **Network** > The outdoor stations will ping server and display the result on the screen.



- Date & Time Setting: Tap **Set Time** > Set date and time following the on-screen instructions.
- Restart System: Tap **Restart System** > Tap **Yes** to restart immediately.
- Enter Test Mode: Tap to run full hardware diagnostic sequence automatically.



Specifications

Outdoor Station(D33S)

- Camera: 1080P
- Display: LED Segment Display
- Viewing Angle: 130°
- Supported Households: Up to 9,999
- Material: Aluminum Alloy Shell with Press Buttons
- Network Transmission Mode: TCP/IP
- Connection: Ethernet Cable Cat 5 / Cat 6
- Power Supply: DC 12-15V
- Card Capacity: No Limited
- Operation Current: ≤500mA
- Operation Temperature: -40°C~ +70°C
- Outline Dimensions: 323*130*40mm
- Installation Dimensions: 298*113*33mm
- Installation: Embedded-mounted

Specifications

Outdoor Station(D17,D22)

- Camera: 1080P, 2MP
- Display: 4.3" TFT LCD
- Viewing Angle: 130°
- Supported Households: Up to 9,999
- Resolution: 480*272 Pixels
- Material: Aluminum Alloy Shell with Touch/Press Buttons
- Network Transmission Mode: TCP/IP
- Connection: Ethernet Cable Cat 5 / Cat 6
- Power Supply: Non-standard POE Switch / Power Adaptor
- Card Capacity: Unlimited
- Operation Current: ≤500mA
- Operation Voltage: DC 12-15V
- Operation Temperature: -40°C ~ +70°C
- Outline Dimensions: 360*140*50mm
- Installation Dimensions: 350*130*50mm
- Installation: Embedded-mounted or Surface-mounted

Specifications

Outdoor Station(D21A,D22A)

- Camera: Dual Cameras, 1080P, 2 MP Each
- Display: 4.3" TFT LCD
- Viewing Angle: 130°
- Supported Households: Up to 9,999
- Resolution: 480*272 Pixels
- Material: Aluminum Alloy Shell with Touch/Press Buttons
- Network Transmission Mode: TCP/IP
- Connection: Ethernet Cable Cat 5 / Cat 6
- Power Supply: Non-standard POE Switch / Power Adaptor
- Card Capacity: Unlimited
- Face ID Capacity: ≤20000
- Operation Current: ≤1A
- Operation Voltage: DC 12-15V
- Operation Temperature: -40°C ~ +70°C
- Outline Dimensions: 360*140*50mm
- Installation Dimensions: 350*130*50mm
- Installation: Embedded-mounted or Surface-mounted

Specifications

Outdoor Station(D10A,D30A,D50A)

- Camera: Dual Cameras, 1080P, 2 MP Each
- Resolution: 1080P, 2 MP
- 130° Wide View Angle
- Display: 5/8/10.1 Inches TFT LCD
- Resolution: 1280*800 Pixels
- Material: Aluminum Alloy Shell with Glass Surface Touch Screen
- Network Transmission Mode: TCP/IP
- Charge: Non-standard POE Switch / Power Adaptor
- Connection: Ethernet Cable Cat 5 / Cat 6
- IC Card Capacity: Unlimited
- Face ID Capacity: Up to 20000
- Operation Current: <900mA
- Operation Voltage: DC 15-18V
- Operation Temperature: -40°C to +70°C

5 Inches(D50A):

- Outline Dimensions:225*125*48mm
- Installation Dimensions:215X115x40mm

8 Inches(D30A):

- Outline Dimensions:330*230*48mm
- Installation Dimensions:286*135*40mm

10.1 Inches(D10A):

- Outline Dimensions:358*190*48mm
- Installation Dimensions:345*165*40mm

- Installation: Embedded-mounted or Surface-mounted

NO	Malfunction	Reasons	Solutions
1	Why can't the outdoor station call the indoor monitor?	1. Network Connection Issues: The network cable is not properly connected or is of poor quality. 2. Insufficient Power Supply: The outdoor station may have unstable power or a faulty adapter. 3. Configuration Errors: Room number or extension number settings may be incorrect. 4. Device Malfunction: There could be physical damage to the outdoor station or indoor monitor	1. Check the network connection to ensure the cable is securely connected and use high-quality CAT5 or CAT6 cables. 2. Confirm that the outdoor station has a stable power supply, using the appropriate voltage (DC 12-15V). 3. Verify that the room number and extension number settings are correct and unique. 4. Inspect the devices for physical damage and contact technical support if necessary.
2	Why can't the lock be opened?	1. Power Supply Issues: The lock may not be receiving power. 2. Wiring Problems: Incorrect wiring or loose connections may prevent the lock from functioning. 3. Incorrect Password: The entered password may be wrong. 4. Mechanical Jam: The lock mechanism might be jammed or malfunctioning.	1. Ensure the lock is connected to a reliable power supply and check the power adapter. 2. Review the wiring connections according to the installation diagram to ensure they are correct. 3. Verify the password and try entering it again. 4. Inspect the lock for any physical obstructions or damage and lubricate if necessary. If the problem persists, consider replacing the lock.
3	Why can't the indoor monitor connect to the Tuya app?	1. Poor Internet Connection: The Wi-Fi signal may be weak or unstable. 2. Incorrect Wi-Fi Settings: The monitor may not be connected to the correct Wi-Fi network. 3. App Compatibility: The Tuya app may not be updated or compatible with the monitor. 4. Incorrect QR Code Scan: The QR code might not have been scanned correctly during the setup.	1. Check the Wi-Fi connection and ensure it is stable. Try reconnecting the monitor to the network. 2. Verify that the monitor is connected to the correct Wi-Fi network and re-enter the password if needed. 3. Update the Tuya app to the latest version and ensure it is compatible with the monitor. 4. Re-scan the QR code in the app, making sure to follow the instructions carefully. If issues persist, restart both the monitor and the app.
4	Why can't I register my face?	1. User registration is disabled. 2. The card is not registered. 3. The device has been reset.	1. To register on the user registration page, ensure this function is enabled in System Settings – Face Manage – Face Setting. 2. Verify that the card you are using is valid. 3. Ensure that the Face Manage function is authorized. The authority code is "666888." Please note that authorization will clear all face data.

Warranty Certificate

Customer name		Gender		Age	
Address					
Tel			Postcode		
Model No.		Order No.			
Dealer signature		User Signature			

Warranty Terms:

1. Replacement: Within 3 months of purchase, functional defects will result in same-model replacement if product and packaging remain intact.
2. Repair: Free repair services are provided for 1 year (excluding accessories or consumable parts).
3. Validity: Warranty applies only to products used under normal operating conditions.
4. Void Conditions:
 - Physical damage (e.g., housing removal, label tampering).
 - Misuse, accidents, or liquid exposure.
 - Loss of this warranty card.

Disclaimer

Contact for Support

For inquiries or disputes related to this manual, please contact our support team.

Documentation Updates

Device specifications and features are subject to change without prior notice due to continuous product development. To obtain the latest version of the manual in PDF format, please contact our support team.

Accuracy Notice

While every effort is made to ensure accuracy, discrepancies between the manual and actual device may exist. Refer to the device interface or packaging for current information.

