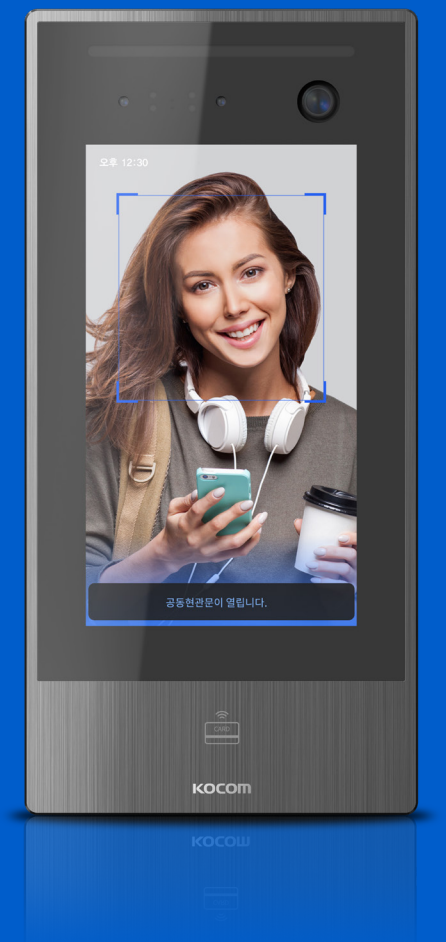
KOCOM
FACE THRU®

[For Administrators]

Lobby phone use and installation manual

ASTRO KLP-U100F



This manual may be changed without prior notice for quality enhancement purposes.

Installation manual
Contents

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Cautions for safety

· Please, save this manual after reading these instructions carefully.
· Read and understand all instructions to set up rightly.
· This Cautions for Safety may include items that are not contained in specifications of the product that consumer purchases.
· If you need assistance with the set-up or operation, please contact with A/S center.

The important marks in the manual.

To help our customers to understand this manual, to prevent any personal injury or property damage, some marks are used in the manual.
The marks and the drawing signs are below. Please, understand the marks before reading the manual.

The meaning of the drawing signs.

Sign to show what not to do.	Mishandling the device with ignoring this sign may result in serious injury or death.
Mishandling the device with ignoring this sign may result physical injury or material damage.	
Sign to tell you that you should follow the instructions.	Sign to tell you that you must unplug the unit.
Sing to tell you that you need more attention including (high voltages, electric shock, danger, warning)	
Sign to tell you that you can't disassemble this unit.	

Caution

Cautions for set-up

· The law limits distributing the power lines to an authorized person from government.
The work from an unaurhtorized person cause fire or electric shock.
· Place this unit securely on a stable surface. Serious damafe and/or injury may result if the unit falls.
· Do not set up this unit near the leaking place because it may expose you to dangerous voltages or other risks.
· Even if your product is water proof, do not install it slanted place of water leakage, which can a short circuit.
· Fix the product on the wall safely according to the installation guideline to prevent any damage or injury.

· The work of distributing wires needs skills and experiences. So please, for assistance, contact your dealer or call service center.
· The communication lines should be built in being distant from the power source.
This may result in the risk of fire, electric shock and communication disorder.
· Setting the communication lines in a high humid place such as outside without any protection from rain causes the communication disorder.
· Keep the hook at the wall-mounted device safe. The hook may cause the physical injury.
· Think about the thickness and quality of wall material. The unqualified material may make the device fall.

· Set the device of the wall-mounted type not to fall. Falling from an earthquake causes personal injury.

Cautions for Repairs and Maintenance

· Keep the inside of the device clean. Having the dust inside without any cleaning for a long time causes the fire.
If necessary, contact your dealer or service center to get cleaning service.

· Unplug this device when you want to check the inside. If there is no plug, please, turn off the circuit breaker.
· Unplug this device when you try to move it to another place.
If the electric line is connected inside of the unit, please contact your dealer or service center.

· Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

Warning

Warnings for Usage

· Do not install this unit near the water and dust, for example, in a bathroom or near the washing machine. It caused fire and electric shock.
· Do not install this unit near the fire, for example, near kitchen sink, heater or the like.
· Do not install near the noxious gar such as Hydrogen Sulfide, metal power and the like.
· Do not install near the water and chemicals.
· Do not give any damage, break and modify the plug. Overloading, heating, pulling causes the damage.
· Do not place the plug near the heater. The damaged code causes fire and electric shock. Do not pull the power code when unplugging.
· The damaged code causes fire and eclectic shock. Must pull with plug. Do not touch with wet hands. It causes the electric shock.
· Do not use any other voltage, except the marked regular voltage.
· Do not use the power terminal at the units to other electric device except the designed device.
· Do not install the units at the leaking place if it doesn't have any waterproof mark. Do not install the unit when the power is on.
· Install the circuit breaker after checking the safety such as electric shock and leakage. Turn off the power before you install or A/S

· Check the suitability of the lines for installing when you use the exiting lines.
· Do the wiring work by using the designed material.
· Connect the electric wire with the designed ways and ground.
· Do not connect with any other devices except the designed devices to compose the system.

· Unplug electric wire and communication lines from the units before moving to another place.

Cautions for Use

- This unit is not designed for security purpose.
- Do not handle the unit with the wet hands.
- Do not place a pot with water or a small metal material on the Units.
- Do not cover the ventilating opening or put any metal material in the units.
- During thunderstorms, avoid using this unit. There may be a remote risk of an electric shock from lighting.
- Do not modify the unit.
- Open the main gate after checking ID if the image and sound system do not work. Call A/S

- Do not disassemble the back and cabinet cover.

Cautions for Abnormality

- Change the damaged electric code.
- Unplug this unit from plug socket and refer servicing to an authorized service center when the following conditions occur.
- If liquid has been spilled into the unit.
- If the unit does not work normally by following the operating instructions.
- If the unit exhibits a distinct change in performance. ·If the unit has been dropped or physically damaged.

Caution

Safety Instructions, Warnings and Cautions of Each System

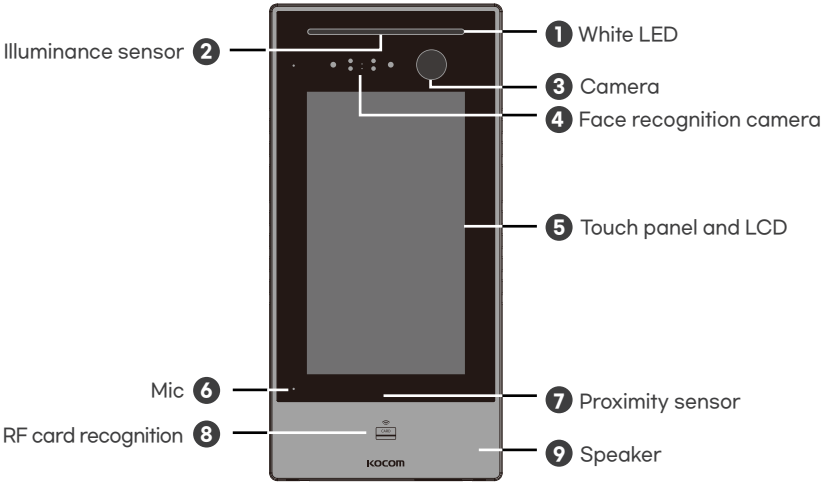
- Do not disassemble this unit at will as this device is composed by precision parts.
- Install the unit by following the set-up instructions of Kocom.
- Do not touch or insert any foreign substances, for example, sticker, magnetic, opener and the like.
- Make U-type at the end of wires as the rain can effect on the system by following the wires during the rainy season.

Cautions

- In some cases there is occurrence of product destruction, malfunction, noise mixing and picture quality deterioration due to mixing of other tool's induced. voltage or thunder with communication wiring of monitor/camera, monitor/extended monitor.
  Do not wire with power line such as outdoor wiring or AC power, or phones and other tools.
- You cannot use it if you incorrectly wire the AC voltage between monitor/camera, monitor/extended monitor.
  Call the store or agency where you purchased this product and consult to solve the problem.
  Beware that unfixable damage might be caused due to authorizing AC voltage on communication wiring of monitor/camera, monitor/extended monitor.
- Do not ever disjoint this product. It may cause electrocution accident when touching high-voltage circuit inside this product.
- Outside power authorizing this product must be confirmed of product description and use rated voltage.
  Beware that if higher voltage is authorized, unfixable damage might be caused due to product destruction.
- Power must be connected to domestic voltage (product rated voltage) consent or interior wiring.
  If connected to other motive power or inverter-type power, product destruction, noise mixing, and picture distortion may occur.
- Do not drop this product. Glass is used for monitor and might break, or cause other circuit inferiority.
  In such case, immediately turn down the power switch, and call to consult agency or store in which this product was purchased.
- Keep away from any conditions where water splatters or falls. Do not place anything containing water like a vase on the product.
- If installed near transmission antenna such as broadcasting station, electric wave may mix and cause picture distortion or voice mixing.
- Avoid installing near tools with strong electromagnetic waves such as microwaves and cell phones, or it may cause picture distortion.
- Do not install monitor in following places.
  ① Above or around water heater, rice-cooker, heater
  ② Place exposed to direct rays of the sun
  ③ Place with temperature below 0'C such as cold store
  ④ Place with high humidity such as bathroom, washroom, heated room
  ⑤ Place with a lot of gas, dust, smoke
  ⑥ Dangerous place with sprays of water or chemicals
- Do not wipe with insecticide, drugs or chemicals such as thinner and alcohol, or it may damage the surface of this product.
- Beware of occurrence of image quality deterioration or malfunction from cause of humidity due to penetration of chemicals or water into camera's urea resins.
- As in the picture, it prevents temperature difference of camera (outside) and monitor (inside), and removes dew condensation caused by humidity of camera window.
- Camera must be installed when wall cement is completely dry.
- When product is installed in winter below -5'C, wait for approximately 2 hours to connect.
  Dew formation in monitor and camera due to temperature difference inside and outside may cause product defect.
- Avoid installing monitor and camera in place directly exposed to heat or where gas noxiousness is highly occurring.

Specifications

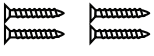
· Name of each part



❶ **White LED :** Makes it possible to identify objects at nigh
❷ **Illuminance sensor :** Detect external brightness
❸ **Camera :** Sends video during the talk
❹ **Face recognition camera :** Camera for face recognition
❺ **Touch panel and LCD**
❻ **Mic :** Microphone
❼ **Proximity sensor :** Measures proximity distance of object
❽ **RF card recognition :** Close the registered RF card to open the door
❾ **Speaker**

· Product composition

■ Product fixation Screw



■ Door

■ Sensor

■ DC13V/3A Adapter

■ RS485

■ AC Adapter

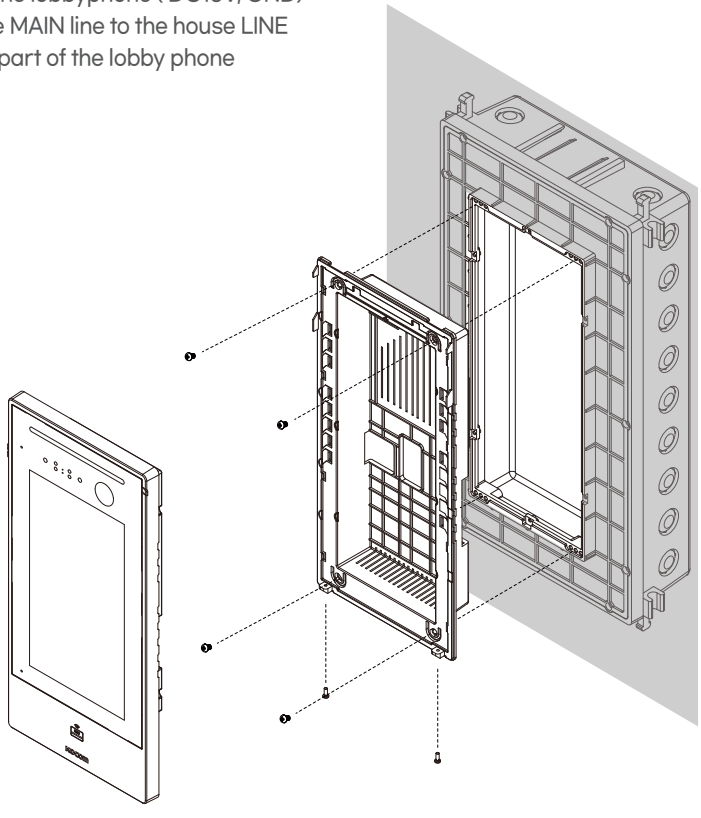
Specifications

Product name	ASTRO KLP-U100F
Input power type	DC13V In stand-by : 10.4W / In operation : 19.5W
Display	10.1-inch IPS LCD
DATA communication	TCP/IP (10/100/1000 Mbps)
Talking method	Hands-free (2WAY)
Call and image retention time	Waiting time of about 30 seconds after call, About 3 minutes during house talk
Exterior materials	Aluminum (AL), ABS, tempered glass
Size	182(W) x 373(H) x 60(D)mm
Operation guaranteed temperature	-10℃ ~ +50℃
Camera pixel angle of view	CMOS 200M pixels / 168˚
RF card interlocking	13.56Mhz
Interlocking device	Unit Device: TCP/IP method (Android) GuardPhone : ASTRO KGP-70KA (ANDROID)
In-put / Out-put Specifications	Power Input Connection: DC 13V/3A exclusive wire LAN Main Wire Connection: RJ45 1PORT - Sensor Input Connection: 2mm pitch 5P x 1 - RS485 Input/Output Connection: 2mm pitch 3P x 1 - Door Connection: 2.54mm pitch 3P x 1
Wiring Specifications and Maximum Wiring Distance	- DC 13V and Lobby Device - 30cm (exterior DC13V adaptor) - Lobby Device and Work Group Switch: 100m (CAT5 UTP) - Lobby Device and Sensor (CAT5 UTP) - Lobby Device and RS485 synced device: 10m (CAT5 UTP) - Lobby Device and Door synced device: 5m (CAT5 UTP)

How to install

How to install the lobby phone

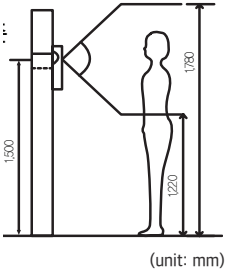
- Install the power supply 13V in the flush box
- Connect the power supply output to POWER IN terminal of the lobbyphone (DC13V, GND)
- Connect the MAIN line to the house LINE connection part of the lobby phone



Standard height for lobby phone installation

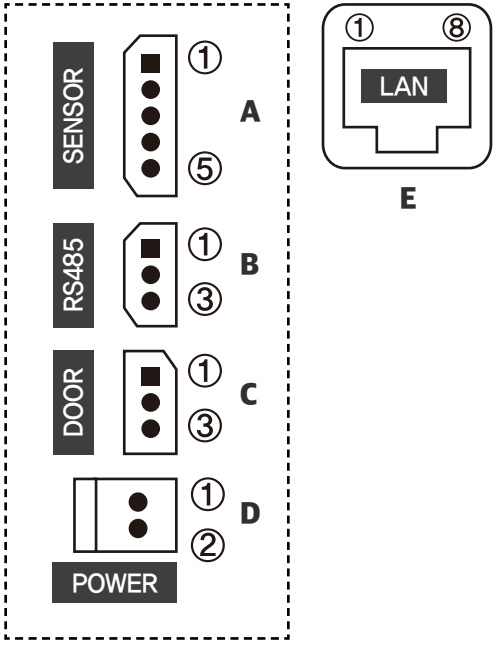
Lobby phone camera based on lens center

The standard height of the lobby phone is 1,450 ~ 1,500 from the bottom based onthe bottom of the lobby phone flush box. If the height of the lobby phone is out of the range of 1,250mm to 1,550mm, it is impossible to adjust the desired image only by adjusting the angle of the lens, so be careful of height when installing the lobby phone



(unit: mm)

Product terminal



A.SENSOR IN
① 12V
② GND
③ Sensor1
④ Sensor2+
⑤ Sensor2-

B.RS485
① RS485_A
② GND
③ RS485_B

D.POWER IN (contact DC adapter)
① DC13V
② GND

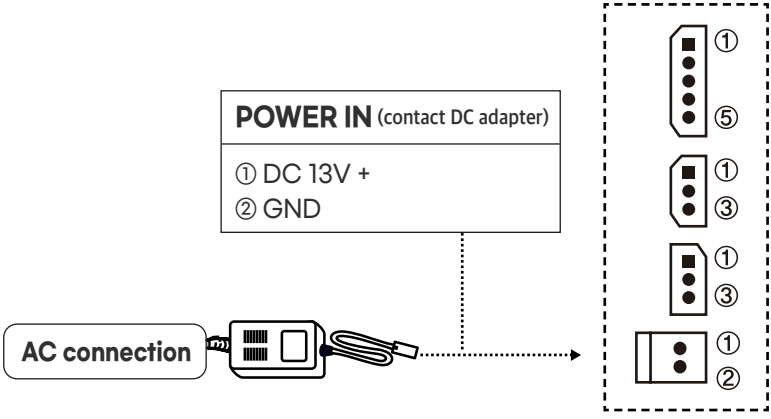
E. LAN SYSTEM LINE	
10/100Mbps	1000Mbps
① TX+	① BI-DA+
② TX-	② BI-DA-
③ RX+	③ BI-DB+
④ NC	④ BI-DC+
⑤ NC	⑤ BI-DC-
⑥ RX-	⑥ BI-DB-
⑦ NC	⑦ BI-DD+
⑧ NC	⑧ BI-DD-

C.DOOR (DC contact connection)
① N.C
② COM
③ N.O

Wiring diagram

1) POWER IN

- The power input port is connected to the exclusive DC 13V adaptor.
- The power input port is connected with the exclusive DC connection wire.



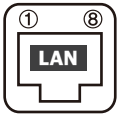
2) LAN SYSTEM LINE connection

- The LAN main wiring port is connected to the work group switch within the apartment complex.
- The LAN main wiring port is connected with an RJ plug.
- The LAN main wiring port and work group switch can be connected at the length up to 100 meters with CAT5 UTP.

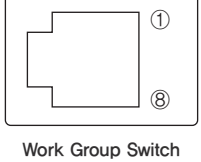
LAN SYSTEM LINE		UTP
10/100Mbps	1000Mbps	
① TX+	① BI-DA+	ORANGE/WHITE
② TX-	② BI-DA-	ORANGE
③ RX+	③ BI-DB+	GREEN/WHITE
④ NC	④ BI-DC+	BLUE
⑤ NC	⑤ BI-DC-	BLUE/WHITE
⑥ RX-	⑥ BI-DB-	GREEN
⑦ NC	⑦ BI-DD+	BROWN/WHITE
⑧ NC	⑧ BI-DD-	BROWN

CAT5 UTP 4P x 1

LAN SYSTEM LINE		UTP
10/100Mbps	1000Mbps	
① TX+	① BI-DA+	ORANGE/WHITE
② TX-	② BI-DA-	ORANGE
③ RX+	③ BI-DB+	GREEN/WHITE
④ NC	④ BI-DC+	BLUE
⑤ NC	⑤ BI-DC-	BLUE/WHITE
⑥ RX-	⑥ BI-DB-	GREEN
⑦ NC	⑦ BI-DD+	BROWN/WHITE
⑧ NC	⑧ BI-DD-	BROWN



Lobby Device terminal

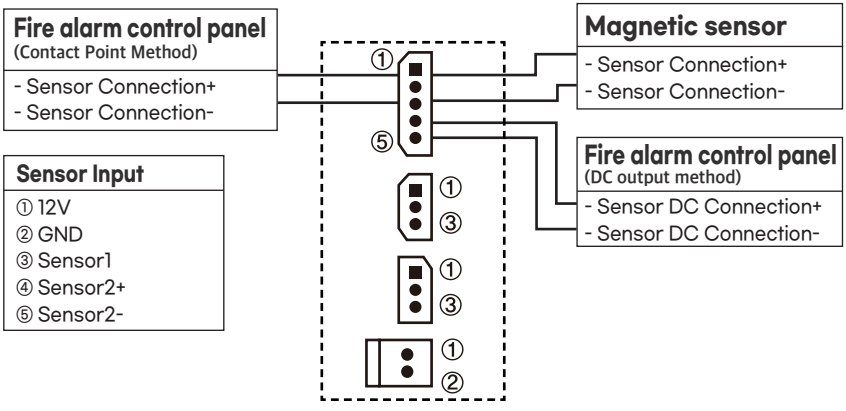


Work Group Switch

Wiring diagram

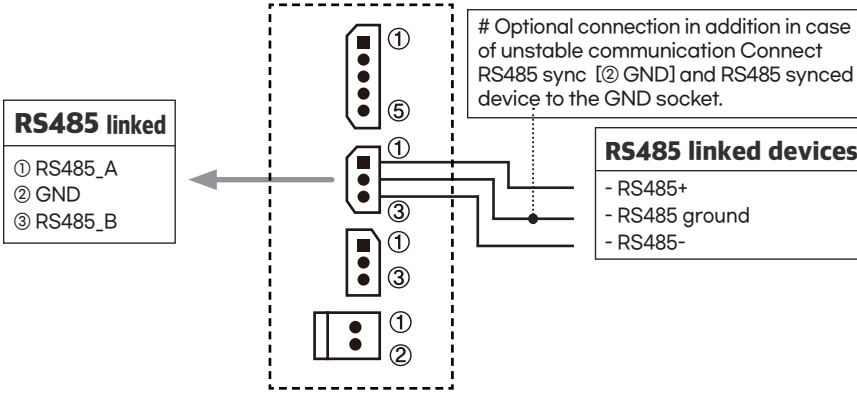
3) Sensor Connection

- The sensor port is the socket that connects the sensor devices.
- The device is connected to the sensor port with a separate UTP cable.
- Only 2 sensor devices can be connected to the sensor port.
- ①12V, ②GND can be used to provide power to the sensor device.
- For magnetic sensor connection, use ①12V, ③sensor 1.
- For contact point-type receiver connection, use ①12V, ③sensor 1.
- For DC-type fire receiver connection, use④sensor 2+, ⑤sensor 2-.
- The sensor port and sensor device can be connected at a length of up to 10 meters with UTP.



4) RS485 Linked device connection

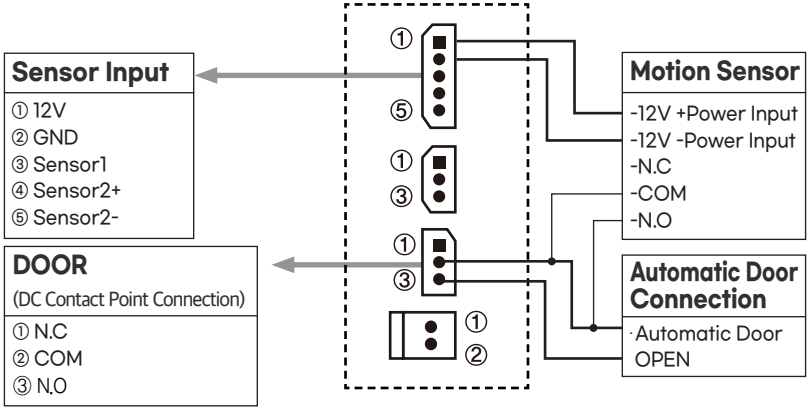
- RS485 sync is the connection socket for RS 485 synced device.
- Connect the DATA_A or + socket with the ① RS485_A socket and RS485 synced device.
- Connect the DATA_B or - socket with the ③ RS485_B socket and RS485 synced device.
- If the communication is unstable, connect the GND socket to the ② GND and RS485 synced device.
- The RS485 sync port and RS485 synced device can be connected at a length of up to 10 meters with CAT5 UTP.



Wiring diagram

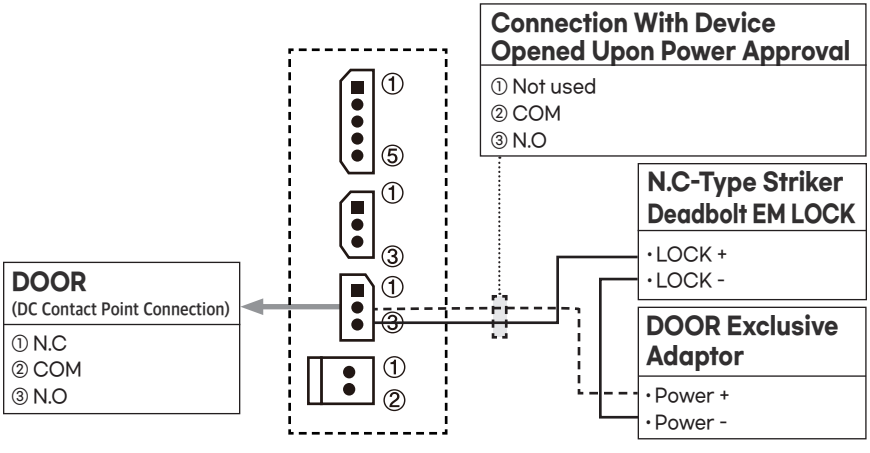
5) Automatic Door Connection

■ The door device is connected to the door port with a separate UTP cable.
■ Only 1 door device can be connected to the door port.
■ The N.O-type automatic door connects the ②contact point COM with ③contact point N.O
■ The N.C-type automatic door connects the ②contact point COM with ①contact point N.C
■ The door port and door device can be connected at a length of up to 5 meters with CAT5 UTP



6) DOOR (Power Approval Type Door Device)

■ The door port is the socket that connects the door device. ■ The door port is connected to the door device with the exclusive UTP cable. ■ The door port is connected to the door device with the exclusive UTP cable. ■ Only 1 door device can be connected to the door port. ■ When connecting the power approval type to the door device (striker, deadbolt, EMLOCK), an exclusive adaptor is used for the door device. (See figure below for wiring connection.) ■ The door device opened upon power approval connects ②contact point COM and ③contact point N.O. ■ The door device closed upon the power approval connects ②contact point COM and ① contact point N.C. ■ The door device can be connected up to 5 meters with UTP CAT5.



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Main screen

1. Main screen

> Status Icon

Displayed when SIP server is not connected.

Displayed when SIP server is not connected.

Displayed when SIP and apartment servers are not connected.
Successful connection will make this icon disappear.

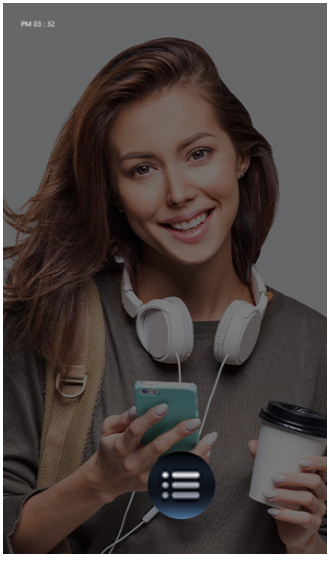
Displays open door and disappears when the door is closed.

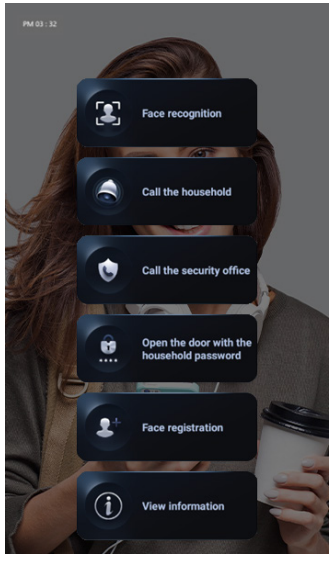
Displays open door during fires and disappears when the fire situation is lifted.

Main screen

2. Guide Menu

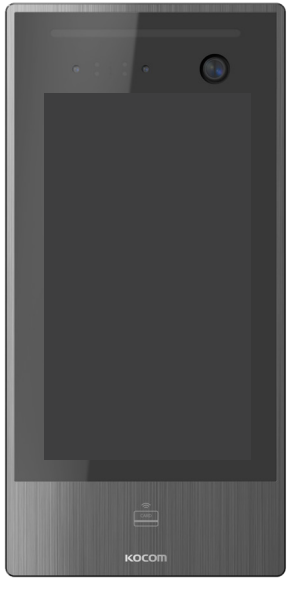
- You will see the menu icon on the screen; click the icon to open an array of the menu list.





3. Sleep Mode

- Converts to sleep mode when there is no screen tap or motion sensor input for 30 seconds.



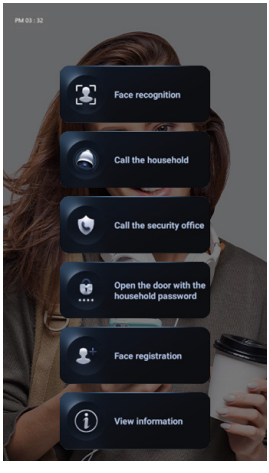
Guide Menu

1. Guide Menu Configuration

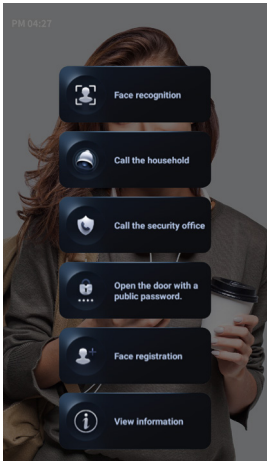
- The guide menu is configured according to the lobby settings.

2. Guide Menu Configuration Settings

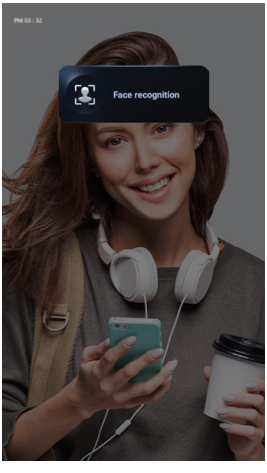
- Face recognition module use status.
- User face registration use status.
- Unit password use status.
- Public password use status.
- The guide menu is configured according to the use status of the above items.



<household password use>



<public password use>



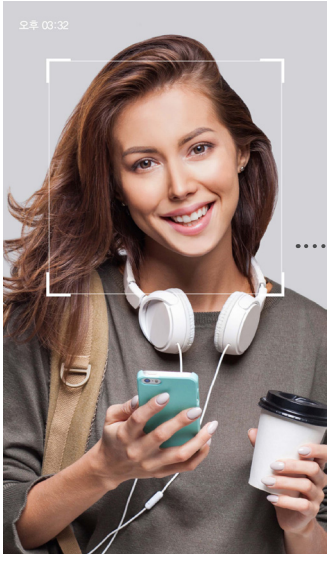
<Face registration mode>

Face recognition

1. Approach of Unregistered Individual

① Face Detection

- When a face is detected, a rectangular border appears around the face.

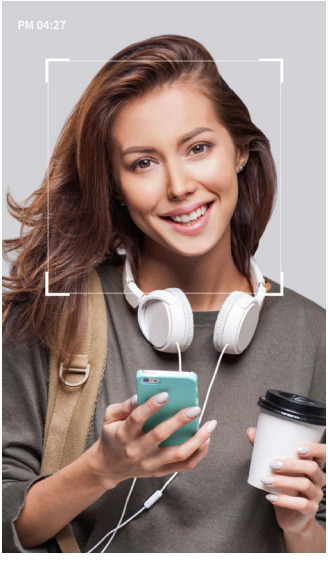


② Guide Menu

- After face detection, if the face is not detected, an animation is displayed.
- <Please, center your face/put off the mask/wear a mask> This message will be displayed.

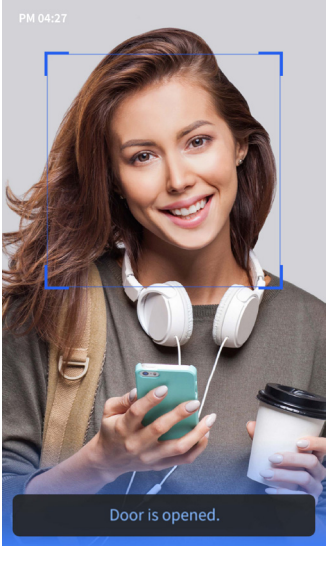
Face recognition

2. Approach of Registered Individual



① Face Detection

When a face is detected, a rectangular border appears around the face.



② Open Door

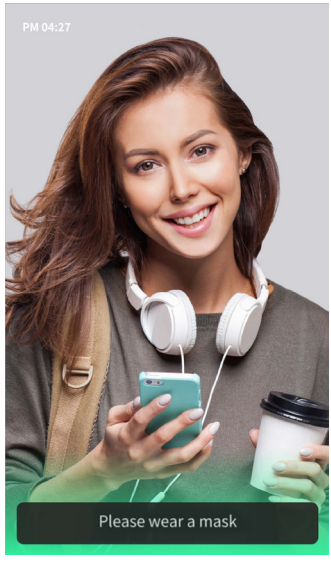
- Upon verification, the door opening animation below is displayed.
- <Door is opened.> This message will be displayed.
- Controls the door opening port and displays the door open icon.

Face recognition

3. Notification According to Mask Use

Mask use status :

When the mask is searched after setting to unused



Mask use status :

When the mask is no searched after setting to use

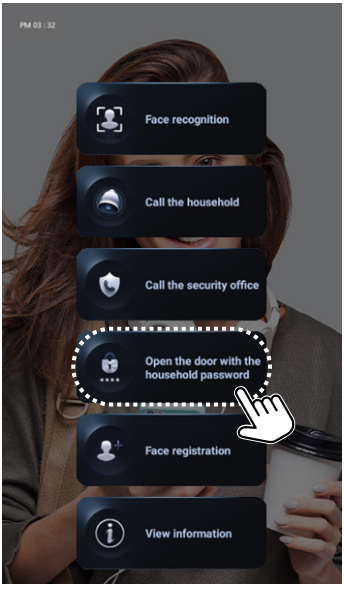
※ Precautions for Face Verification

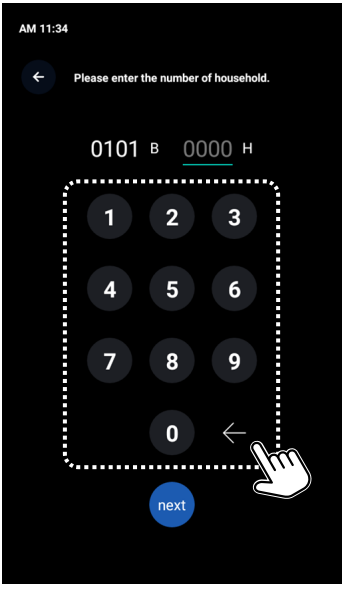
- Place your face in the middle so it can be seen properly.
- Please register again if you had a change in hairstyle.
- If you cover a part of your face with sunglasses, hats, etc., the verification may fail.
- If you change the glasses you've been wearing, the verification may fail.
- If you registered your face without wearing glasses, take them off for your verification process.
- If you only registered your face with glasses on, please verify yourself by wearing the glasses at the time of the registration.

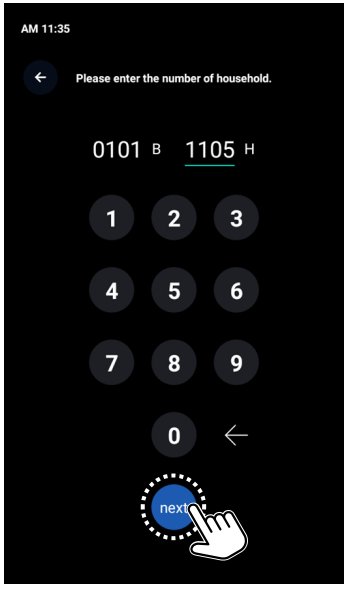
Open the door with the household password

1. Enter household Number

- Tap the <Open the door with the household password> button.
- Enter the unit password and tap the <next> button.

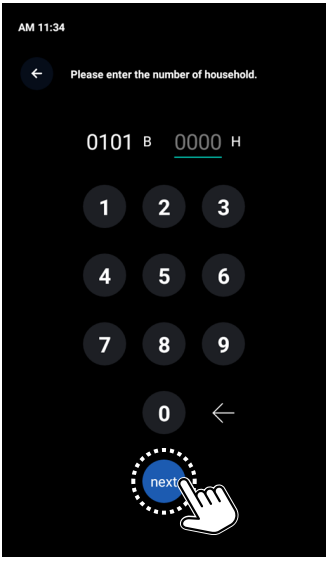






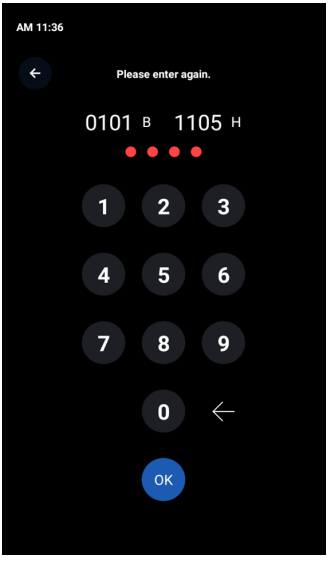
Open the door with the household password

2. Enter Password



- Enter the 4-digit password and tap the <OK> button.
- <Door is opened.> This voice line will be played.
- Controls the door opening port and displays the door open icon.

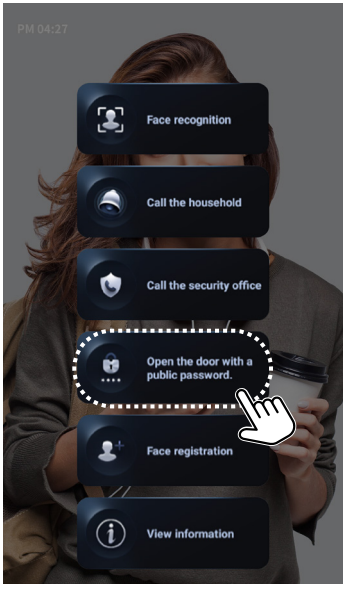
3. If the Password Is Different



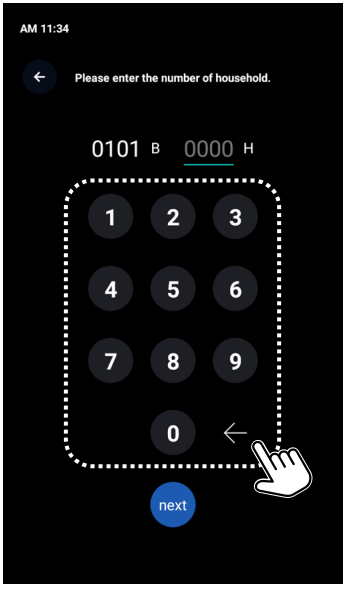
- <Please enter again>
  This voice line will be played.
- The password entries are allowed up to 3 times; entering the wrong password 3 consecutive times leads to an automatic call to the registered guard office.

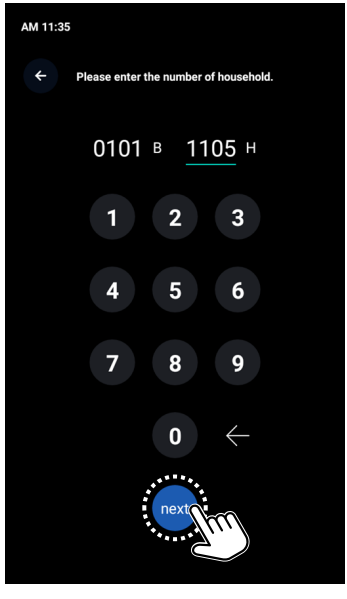
Open the door with a public password

1. Enter Public Password



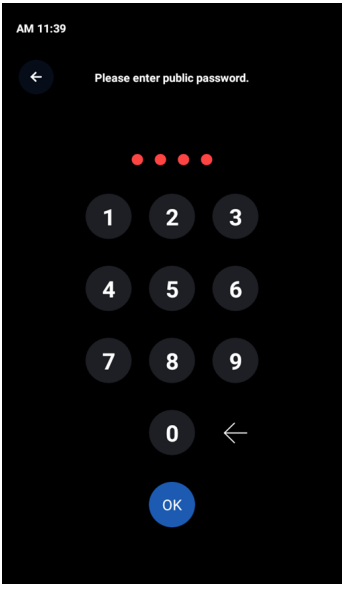
- Tap the <Open the door with a public password> button.
- Enter the 4-digit password and tap the <OK>button.
- <Door is opened.> This voice line will be played.
- Controls the door opening port and displays the door open icon.





Open the door with a public password

2. If the Public Password Is Different



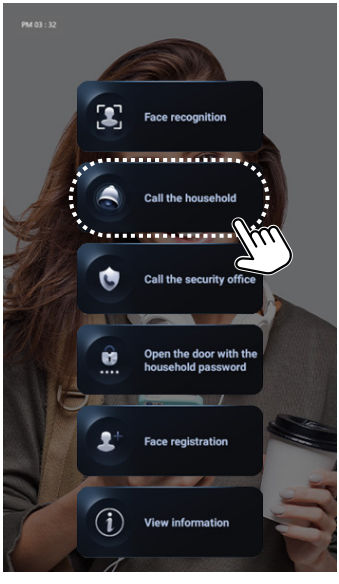
- <Please enter public password.>
  This voice line will be played.
- The password entries are allowed up to 3 times; entering the wrong password 3 consecutive times leads to an automatic call to the registered guard office.

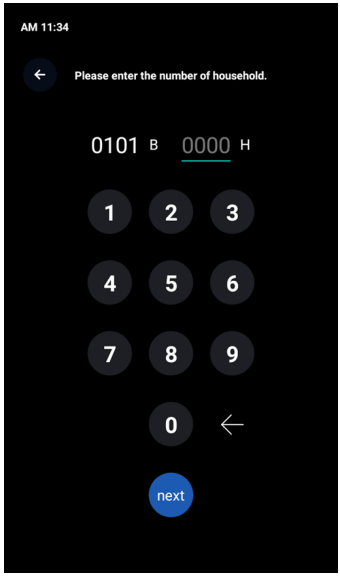
Call_household

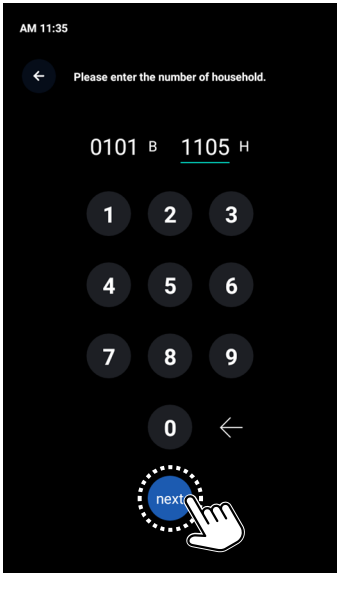
1. household call

- Tap the screen to go to the guide menu and tap the <Call the household> button.
- Enter the unit number to call and tap the <call> button.
- Current status display : <Call the household> With the above, the unit number and the call status is displayed in letters.

※ Time display : Displays the time of the phone call; the call time is 3 minutes.
※ Door open : When the door open function is activated during the phone call, the call ends upon opening the door.





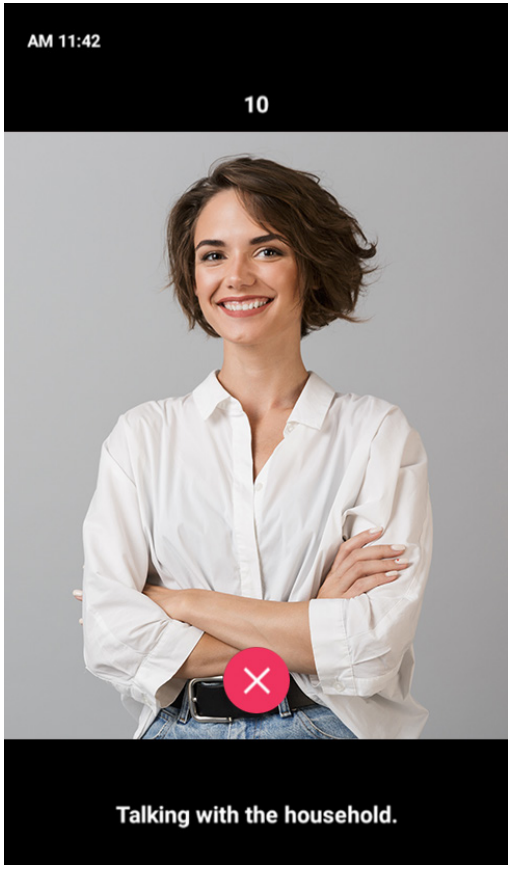


Call_household

2. household Phone call

- Current status display : <Talking with the household>
  With the above, the unit number and the phone call status is displayed in letters.

※ Time display : Displays the time of the phone call; the call time is 3 minutes.
※ Door open : When the door open function is activated during the phone call, the call ends upon opening the door.

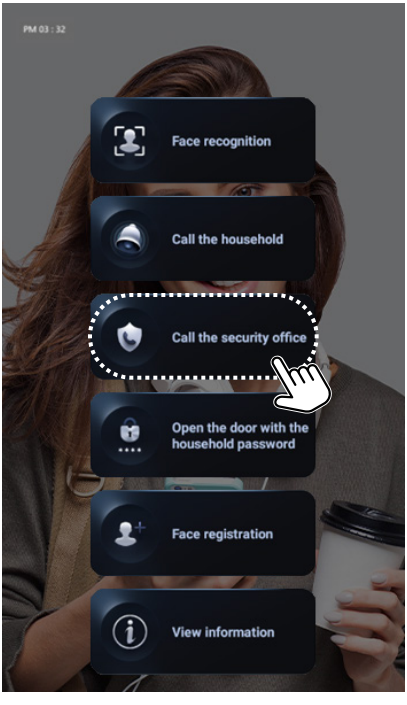


Call_Security office

1. Guard Office Call

- Tap the screen to go to the guide menu and tap the <Call the security office> button.
- Current status display : <Call to the guard office.>
  With the above, the guard office's number and the call status is displayed in letters.

※ Time display : Displays the time of the phone call; the call time is 3 minutes.
※ Door open : When the door open function is activated during the phone call, the call ends upon opening the door.

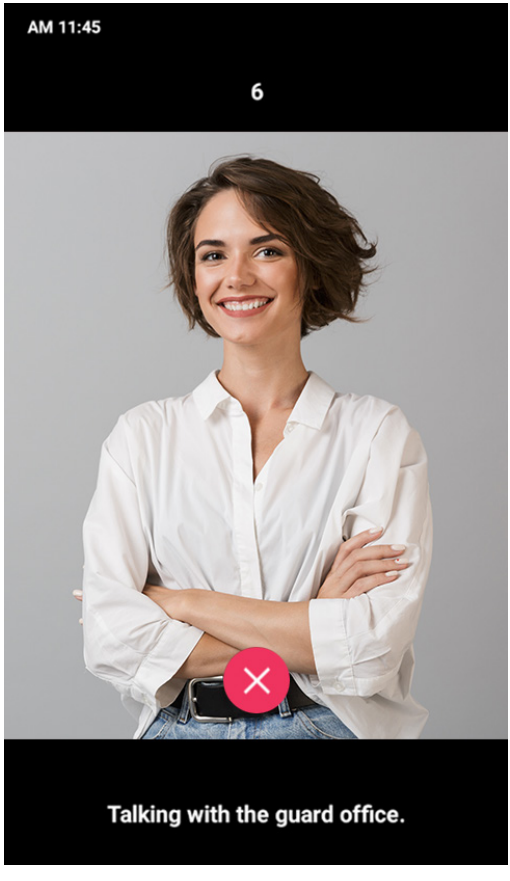


Call_Security office

2. Guard Office Phone Call

- Current status display : <Talking with the guard office.>
  With the above, the guard office's number and the call status is displayed in letters.

※ Time display : Displays the time of the phone call; the call time is 3 minutes.
※ Door open : When the door open function is activated during the phone call, the call ends upon opening the door.

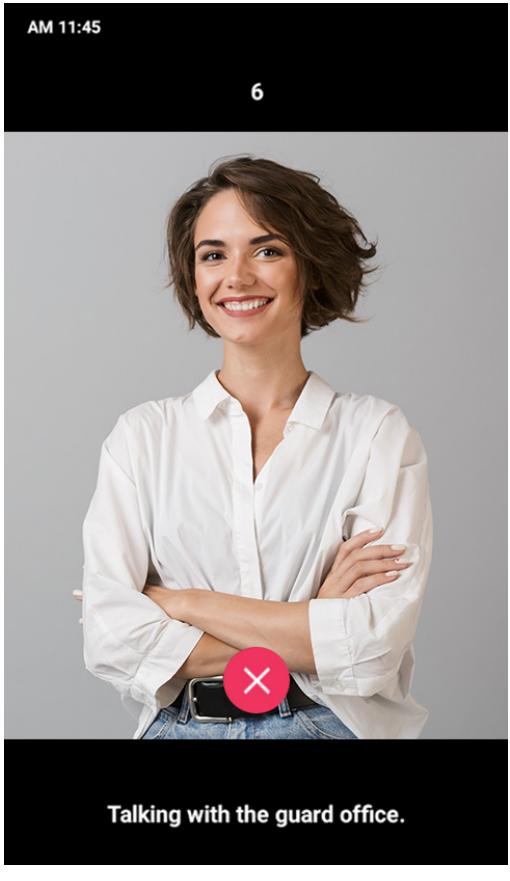


Call_Security office

3. Monitoring

- You can monitor the lobby phone configured at the guard office.
- Monitoring from the guard office immediately sets to phone call status.

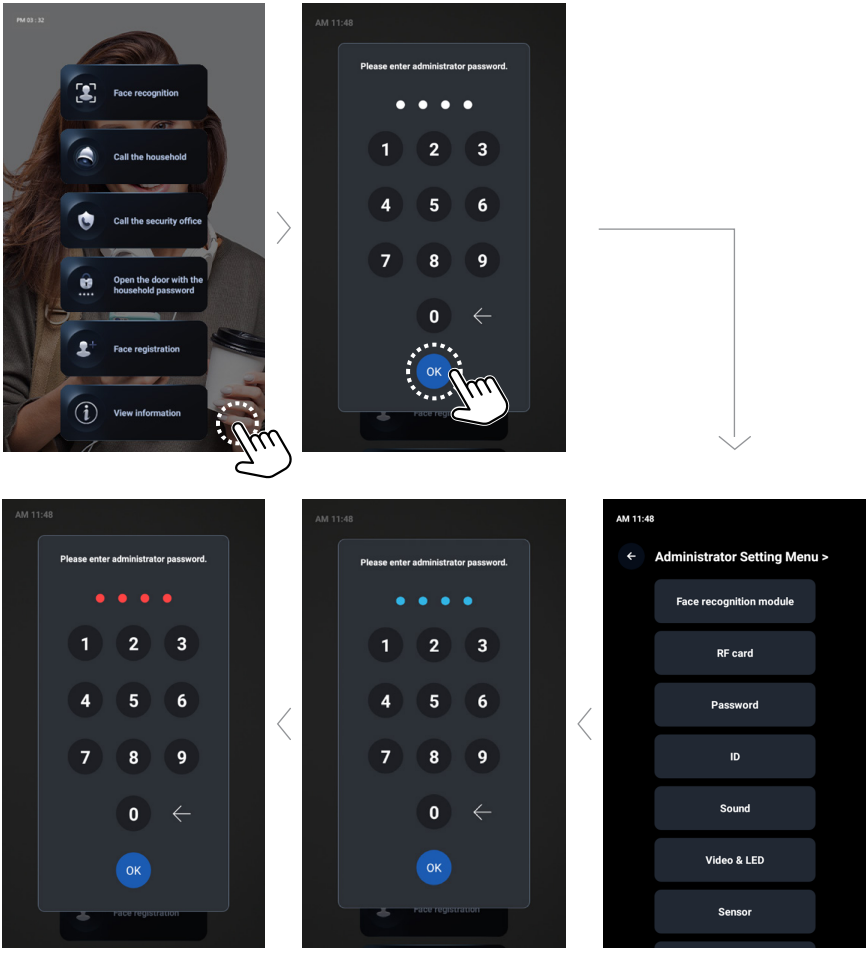
※ Time display : Displays the time of the phone call; the call time is 3 minutes.
※ Door open : When the door open function is activated during the phone call, the call ends upon opening the door.



Settings_Entry

1. Settings Entry Method

- Administrator Button is hidden. Tap the bottom right (for 1 second or longer)
- When the administrator password entry screen appears, enter the 4-digit password.
- If the 4-digit password is correct, you will go to the settings screen.
- Entering the wrong password 3 consecutive times will lead to an automatic call to the guard office.
- Enter <15770051> and tap <OK> to display the administrator password.

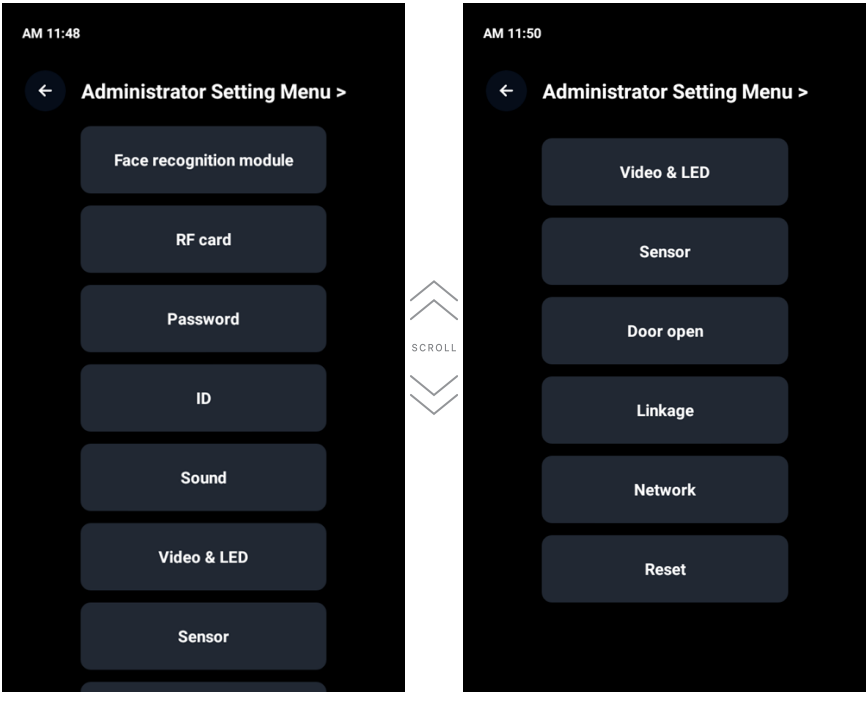


<Entered Administrator Setting Menu>

Settings_Entry

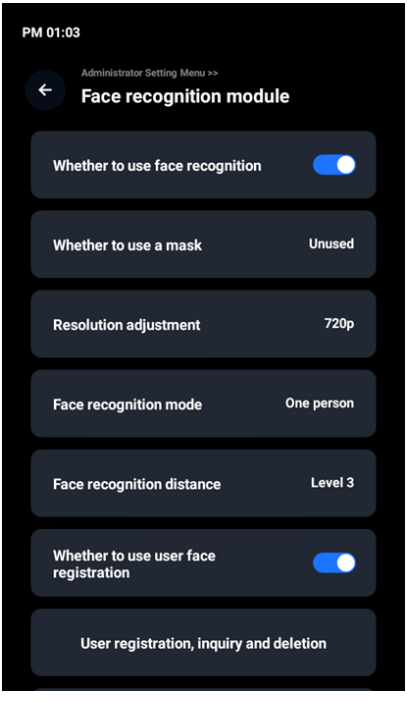
2. Settings Screen Movement Method

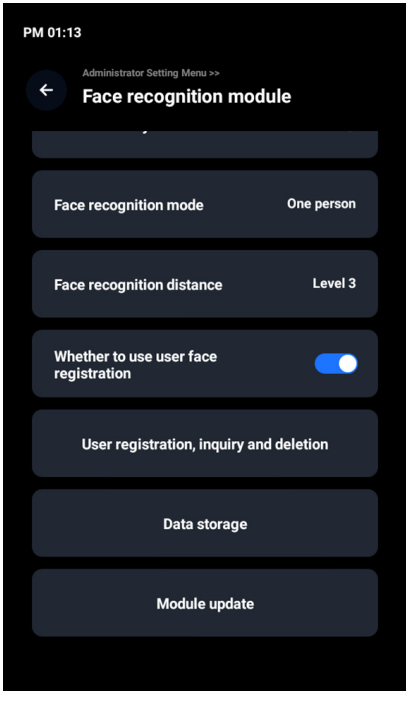
- Enter the settings menu and drag the screen below and above to make the menu appear.



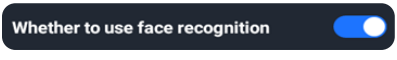
Settings_Face Module

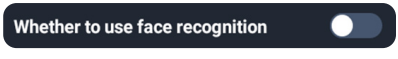
1. Face Module Settings





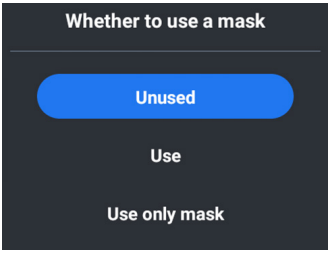
· Face Module Use Status





- You can configure whether to use the face recognition function.
- The default is set to using the function.

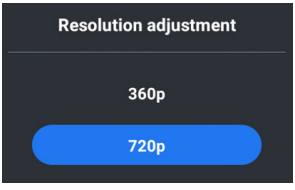
2. Mask Use Status



- You can configure whether to use masks.
- Unused : Recognition only available without masks
- Use : Recognition possible with mask on.
- Only mask : Recognition only available with masks

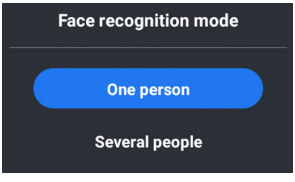
Settings_Face Module

3. Resolution adjustment



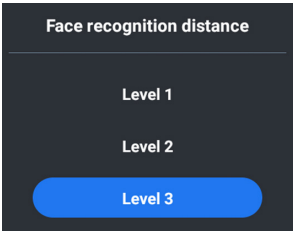
- You can set 2 types of face video resolutions.
- 720P (1024 x 720)
- 360P (640 x 360)
- The default is set to using 360P.

4. Face Recognition Mode



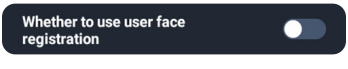
- You can set the device to recognize a single or multiple faces.
- You can set up to 4 faces for multiple recognition option.
- The default is set to using a single face for recognition.

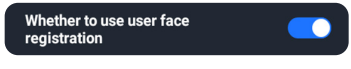
5. Face Recognition Distance



- You can set the distance for the face recognition.
- Stage 1 : Recognition within 1 meter.
- Stage 2 : Recognition within 2 meters.
- Stage 3 : Recognition within 3 meters.
- The default is set to using stage 3.

6. User Face Registration Use Status

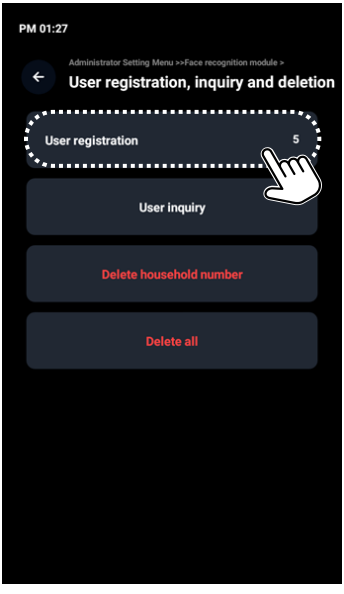


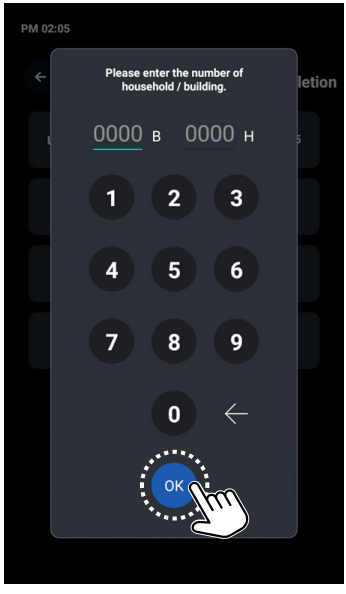


- You can configure whether to generate a <Face Registration> button on the guide menu.
- The user can manually enter the unit number and password for face registration.
- The default is set to not using the function.

Settings_Face Module

7. User Registration, inquiry and deletion > User Registration

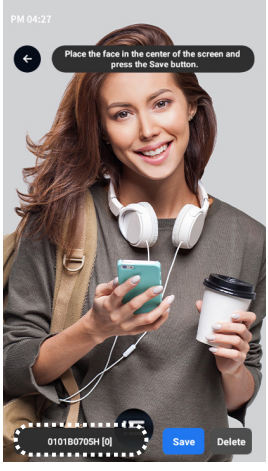




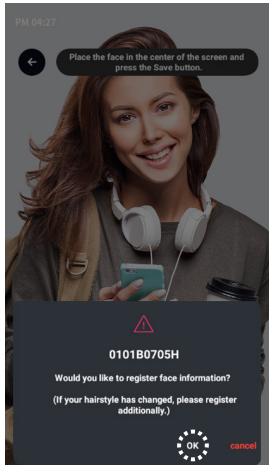
- Displays the number of registered faces.
- You can set up to 20,000 users for registration.
- Enter the apartment complex and unit numbers and tap the <OK> button.

Settings_Face Module

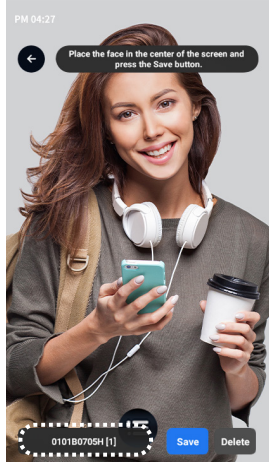
9. User Registration, inquiry and deletion > User Registration



- Displays the number of saved faces for Apartment 1105 R1209[1].



- Tap the <OK> button, and the number of registered faces will appear.



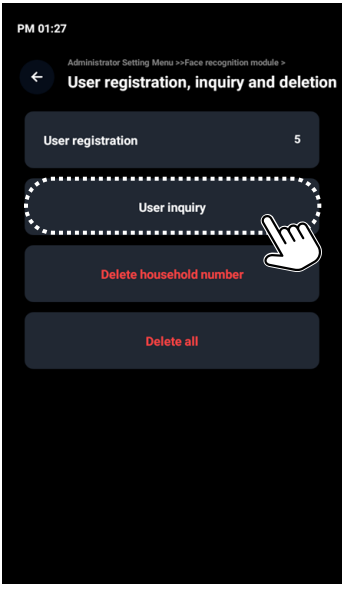
- When the registration is complete, Apartment 1105R1209 [1]'s saved face will be displayed.
- A single unit number can register up to 99 people.

Precautions for Face Registration

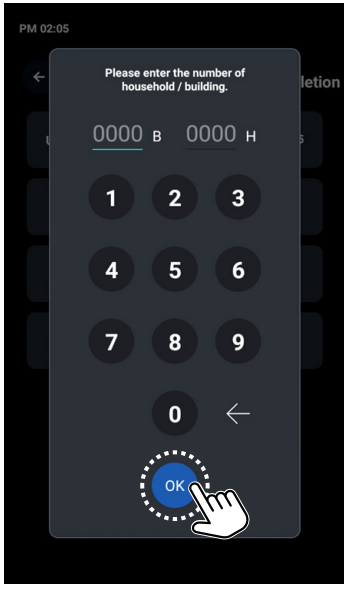
- Please locate your face at the center so it can be properly seen.
- Be careful not to change your facial expression (winking, frowning, smiling, etc.)
- The face recognition may take a long time or fail if you do not follow the instruction on display.
- Do not wear sunglasses, hats, or eyepatches.
- Be careful not to make two faces appear on the same screen. - Register one at a time.
- We recommend those who wear glasses to register both their faces with glasses on and off.
- Be careful not to cover your forehead, eyes, eyebrows, and ears.
- If you have changed your hairstyle, please register again.

Settings_Face Module

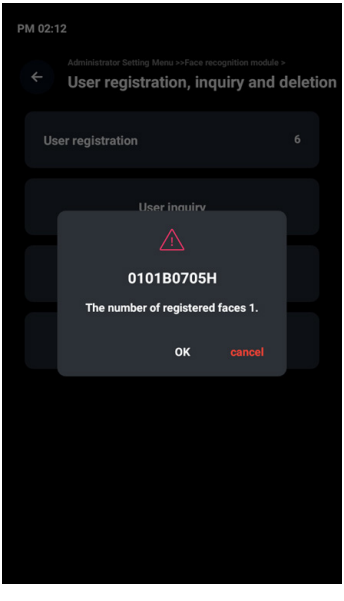
8. User Registration, inquiry and deletion > User inquiry



- Tap the <User inquiry> button.



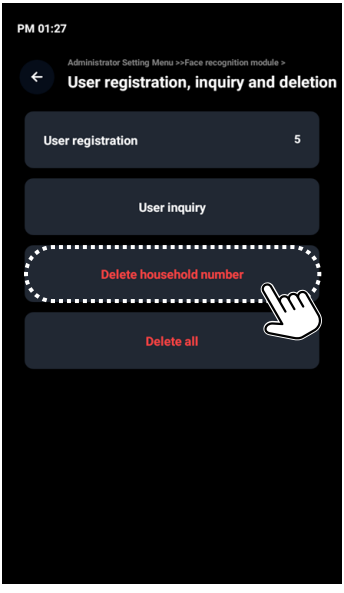
- Enter the unit number and tap the <OK> button.



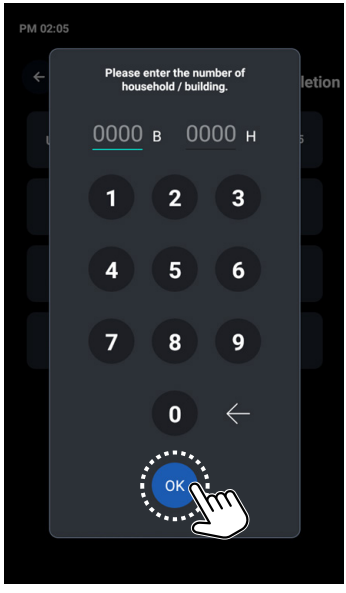
- The number of registered faces appear.

Settings_Face Module

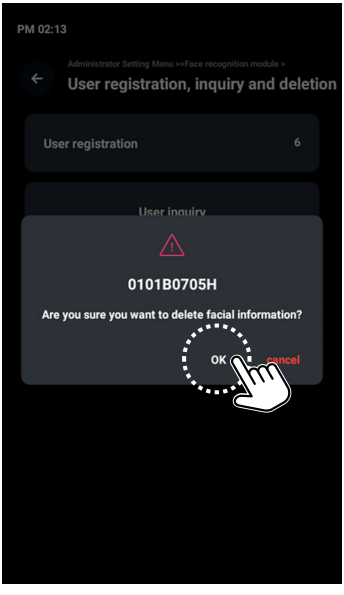
9. User Registration, inquiry and deletion > Delete household number



- Tap the <Delete household number> button.



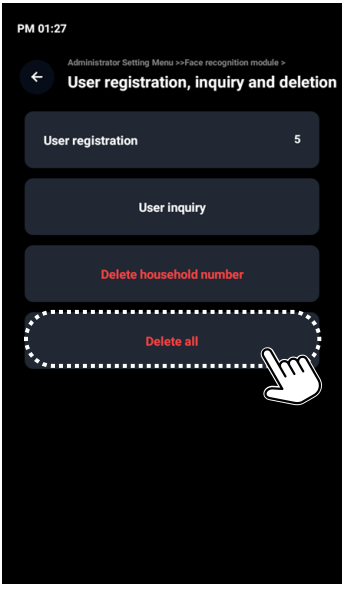
- Enter the apartment and unit numbers and tap the <OK> button.



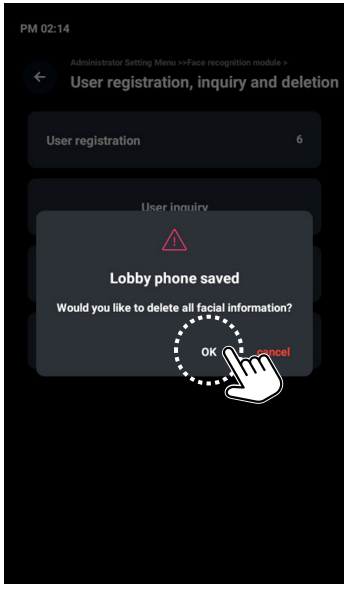
- Complete the deletion by tapping the <OK> button.

Settings_Face Module

10. User Registration, inquiry and deletion > Delete all



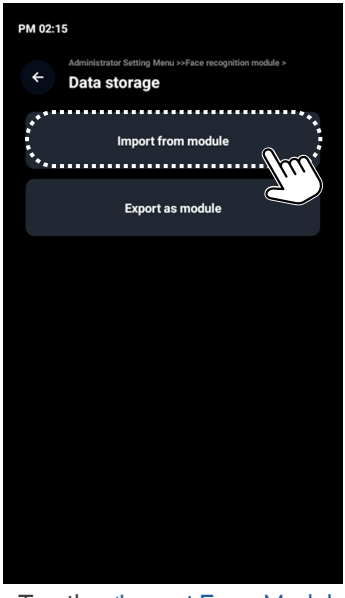
- Tap the <Delete All> button.

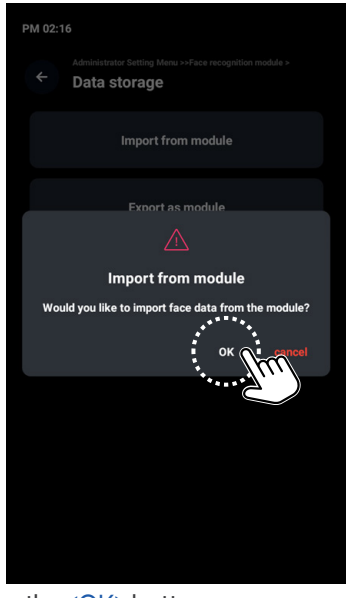


- Tap the <OK> button to delete all.

Settings_Face Module

11. Data Storage > Import from module

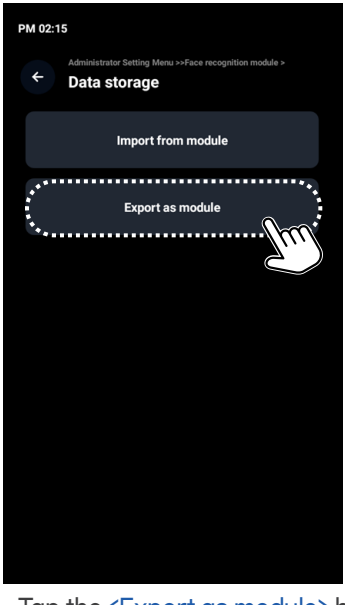


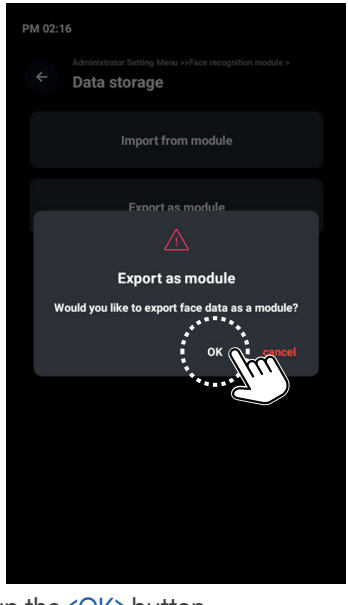


- Tap the <Import From Module> button.

- Tap the <OK> button.
- The face information stored in the face module is stored in the lobby's internal memory.

12. Data Storage > Export as module



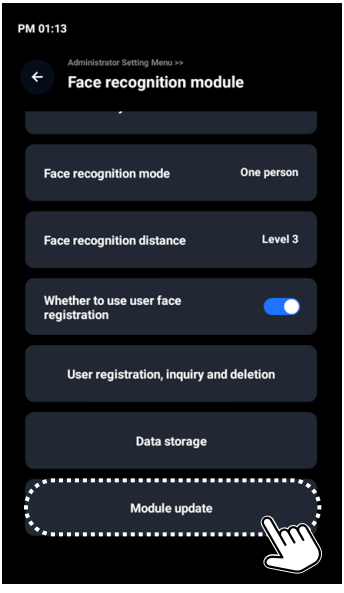


- Tap the <Export as module> button.

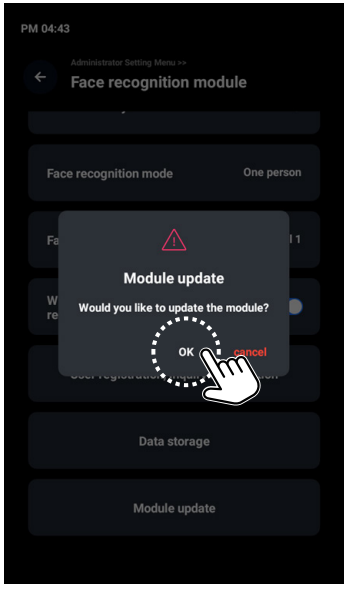
- Tap the <OK> button.
- The face information in the lobby's internal data is saved in the face module.

Settings_Face Module

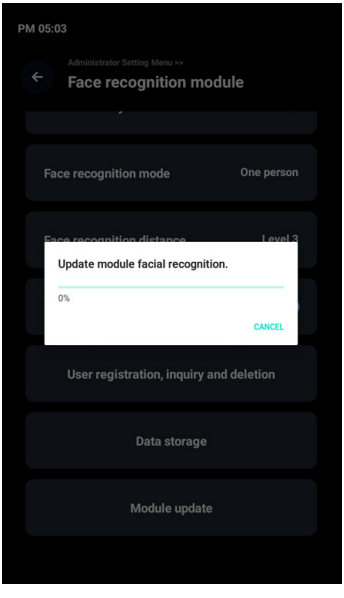
13. Module update



- Copy the update file in the SD card and insert it into the SD card slot.
- Tap the <Update Module> button.



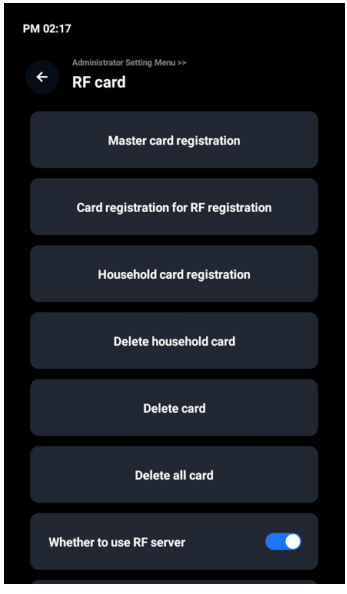
- Tap the <OK> button.

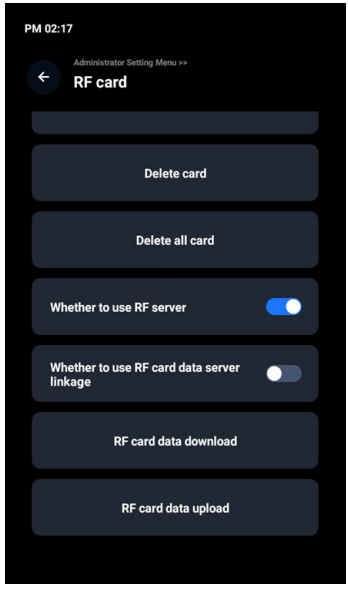


- The update will begin.
- The device is automatically rebooted after the update.

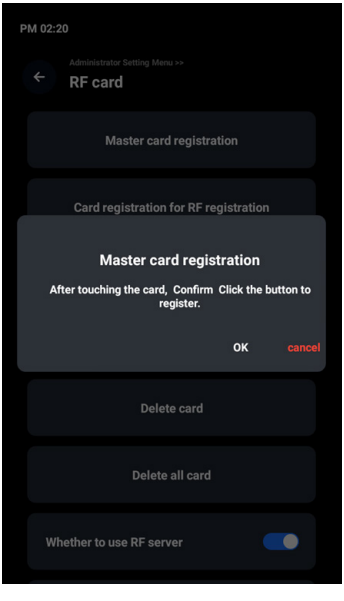
Settings_RF Card

1. RF Card





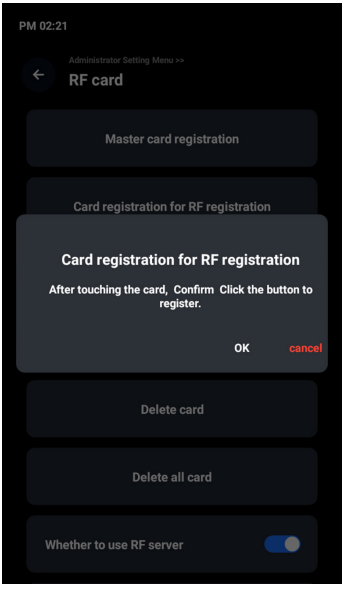
- This is the settings menu for RF-card registration and deletion.



- Tap the <Master card registration> button.
- Contact the card and tap the <OK> button to complete the registration.
- The voice line, <Registered card>, is played, and the card is registered as a master card.
- Be careful as you have to go through <factory reset> to delete the master card after its registration.
- If you register another card when the master card has been registered, the last card to be registered becomes the new master card.

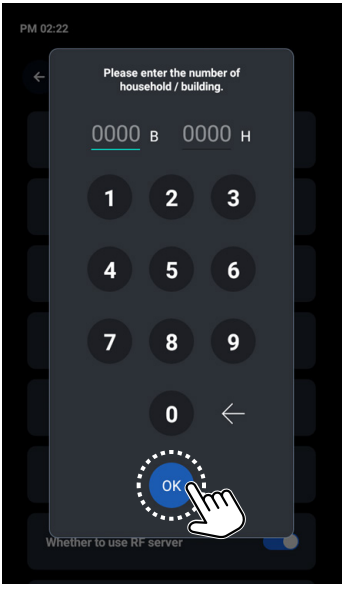
Settings_RF Card

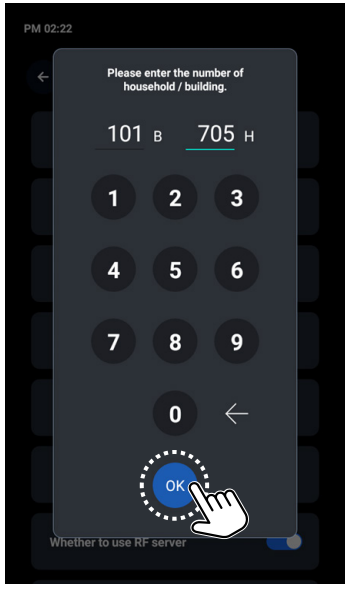
2. household registration for RF registration



- Tap the <Card registration for RF registration> button.
- Contact the card and tap the OK button to complete the registration.
- The voice line, <Registered card>, is played, and the registration is complete.
- Be careful as you have to go through <factory reset> or <Delete All Cards> to delete the registration card after its registration.
- If you register another card when the registration card has been registered, the last card to be registered becomes the new registration card.

3. household Card Registration

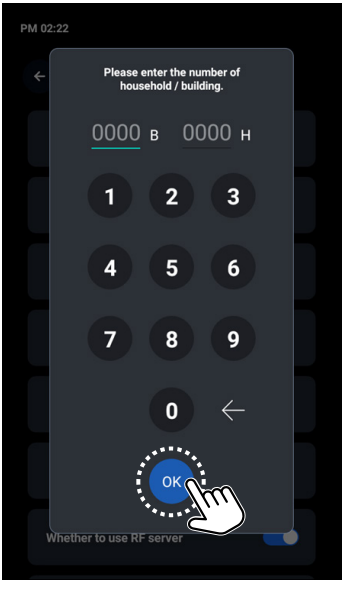




- Enter the apartment and room number of the unit and tap the <OK> button.
- Contact the card to be registered.
- The voice line, <Registered card>, is played, and the registration is complete.
- You can consecutively contact other cards for registration.
- We recommend you register 4 cards per unit.

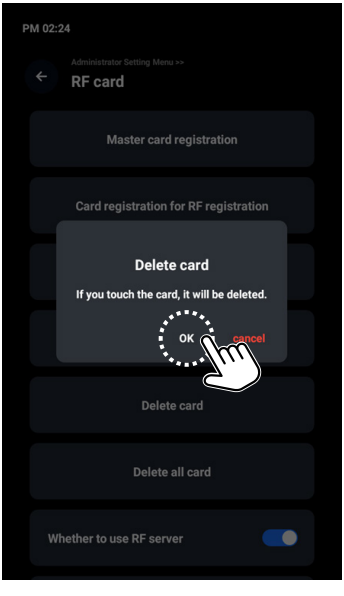
Settings_RF Card

4. household Card Deletion



- Enter the apartment and room number of the unit and tap the <OK> button.
- The voice line, <Deleted card>, is played, and the deletion is complete.

5. Deleted all cards

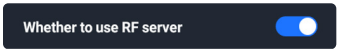


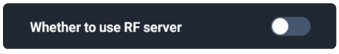
- Tap the <Deleted all cards> button to display the deletion status popup.
- Tap the <OK> button to proceed with the deletion of all cards.
- The voice line, <Deleted all cards>, is played, and the deletion of all cards is complete.
- Be careful as this function will lead to the deletion of all cards.

Settings_RF Card

6. RF Server Use Status

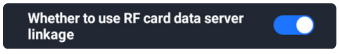
- You can configure the RF server use status.

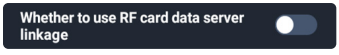




7. RF Card Data Server Sync Use Status

- You can configure the RF card data sync method.
- Unused : Saved and managed in EEPROM.
- Use : Saved and managed in internal memory and apartment complex memory.

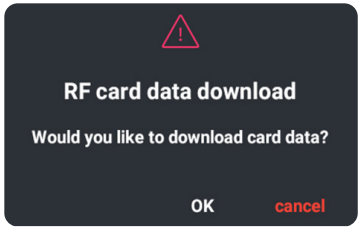




8. RF card data download

- Download the RF card data stored in the server.
- Downloads the file from /home/kocomup/Lobby_Upgrade/RF_File.
- Downloads the files of the lobby, apartment, and room number.

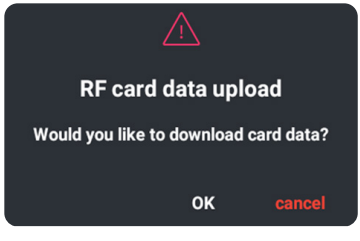
E.g.) File Name: rf_0101_55.dat



9. RF Card Upload

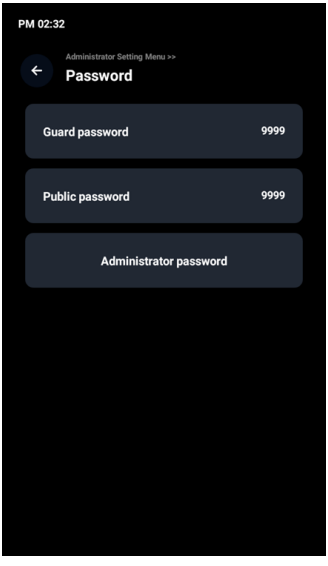
- Upload the RF card data stored in the lobby to the server.
- Uploads the file to /home/kocomup/Lobby_Upgrade/RF_File.
- Uploads the files of the lobby, apartment, and room number.

E.g.) File Name: rf_0101_55.dat



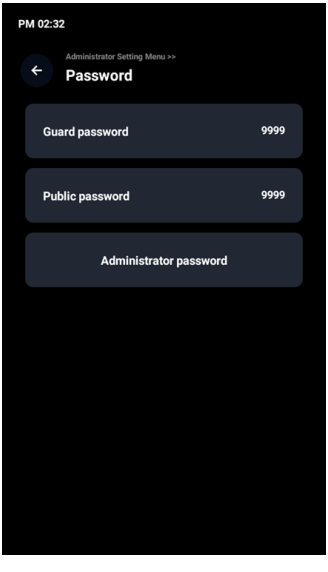
Settings_Password

1. Guard Office Password



- The password for the registered security number.
- Open the door with the household password > 2-digit security number > Enter 4-digit password
- It is managed by the guard office; it can only be checked at the lobby.

2. Public Password



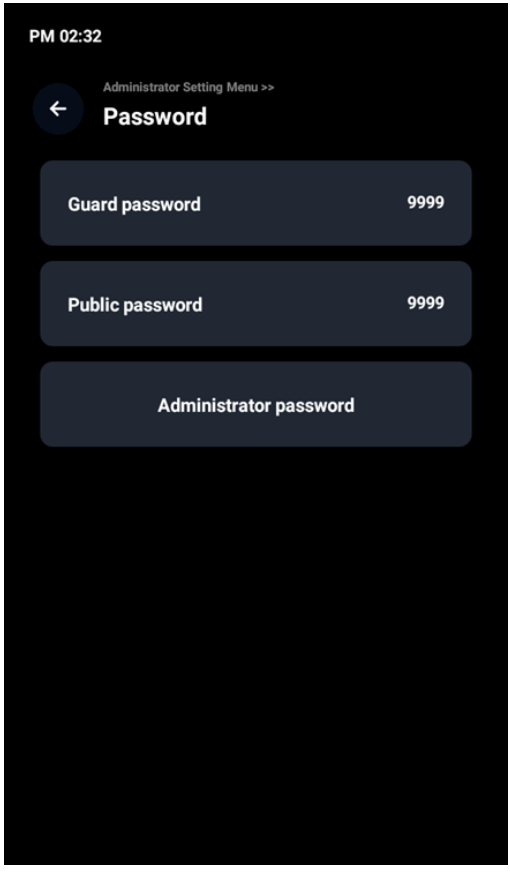
- This is the password used to open the door when entering the lobby.
- Enter the 4-digit public password and tap the <OK> button to save it.
- The initial password is <9999>, therefore, you must register your own password before use.

(You cannot use 9999 as your new password.)

Settings_Password

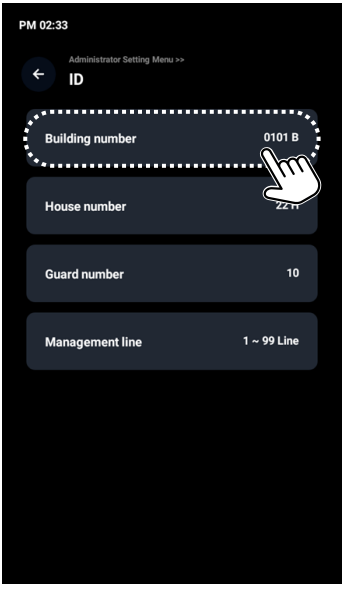
3. Administrator Password

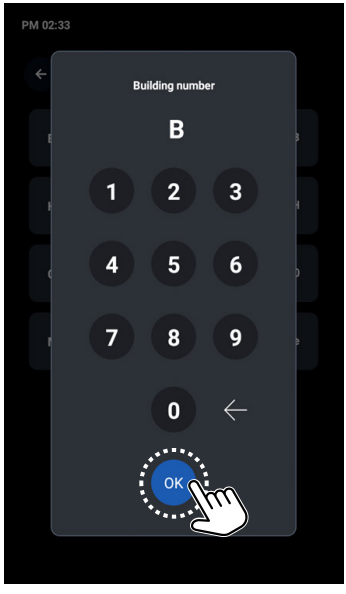
- This is the password necessary for entering the lobby phone settings menu.
- Enter the 4-digit administrator password and tap the <OK> button to save it.
- The initial password is <9999>, therefore,you must register your own password before use.



Settings_ID

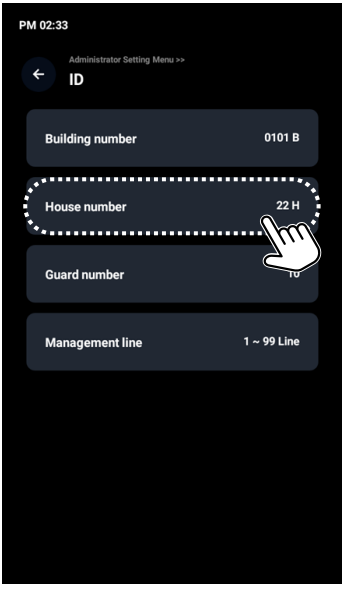
1. Building number

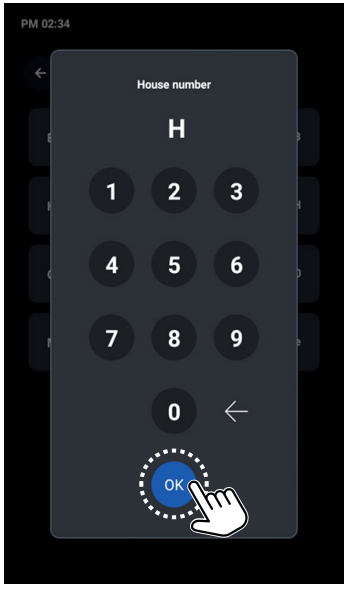




- Enter the 4-digit password for the Buildingn under control and tap the <OK> button to save it.

2. House number

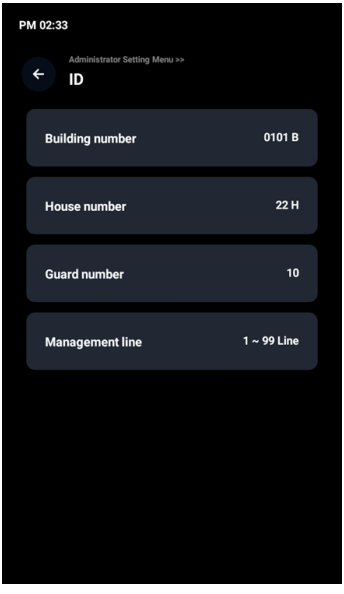


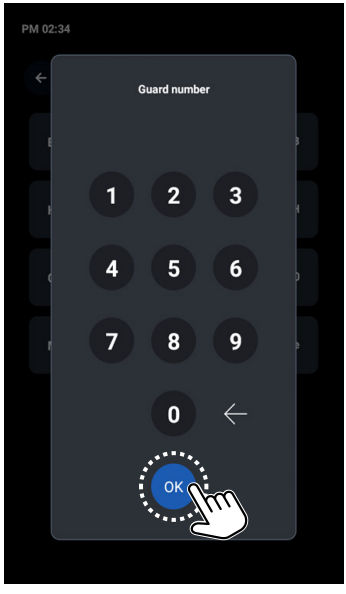


- Enter the 2-digit lobby number and tap the <OK> button to save it.
- Be careful as duplicate room numbers may lead to the failure of the entire system.

Settings_ID

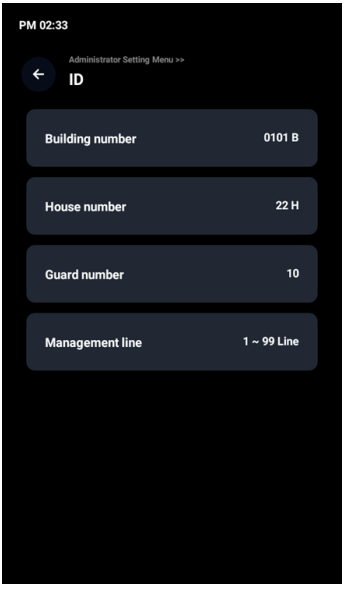
3. Guard number

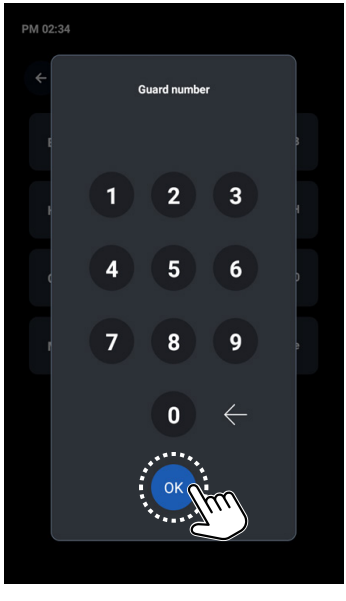




- Enter the 2-digit guard number and tap the <OK> button to save it.

4. Management line

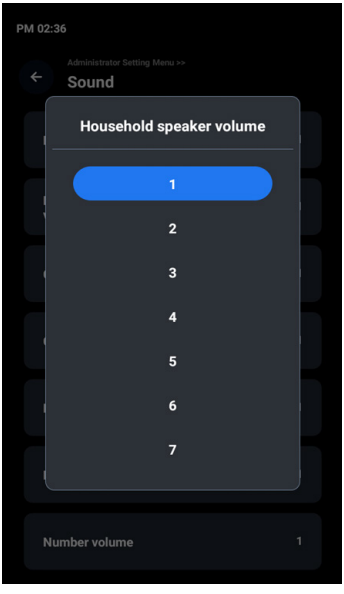


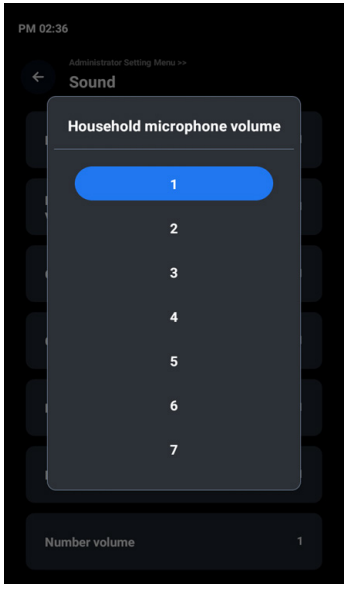


- Enter the range of the Management line and tap the <OK> button to save it.

Settings_Sound

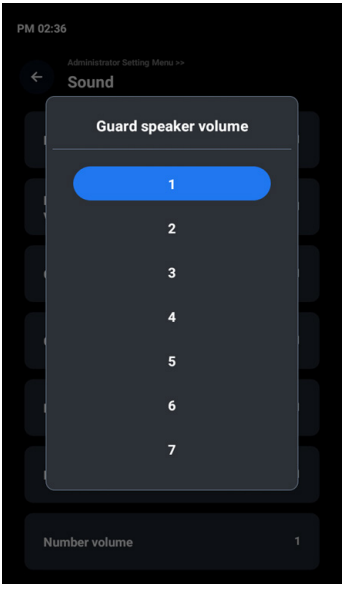
1. household call Sensitivity & Volume Control

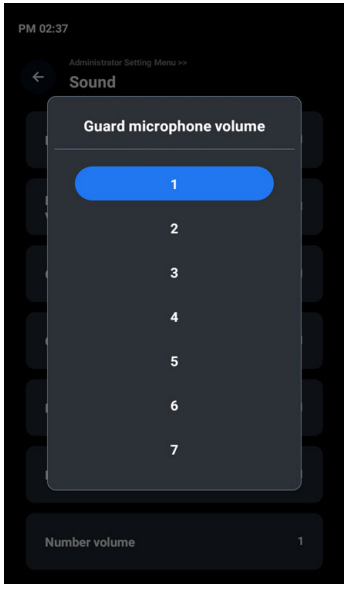




- Controls the household's speaker volume and microphone to adjust the sensitivity and volume of the phone call.

2. Guard Office Call Sensitivity & Volume Control

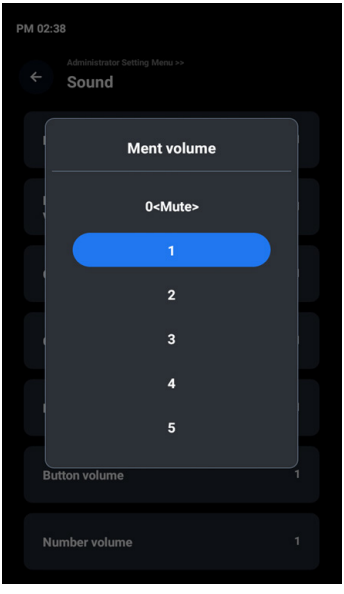




- Controls the guard office's speaker volume and microphone to adjust the sensitivity and volume of the phone call.

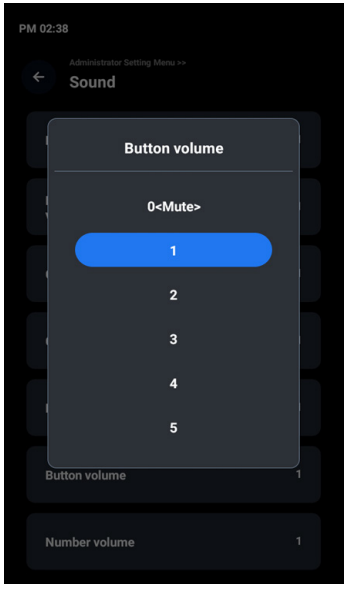
Settings_Sound

3. Ment Volume



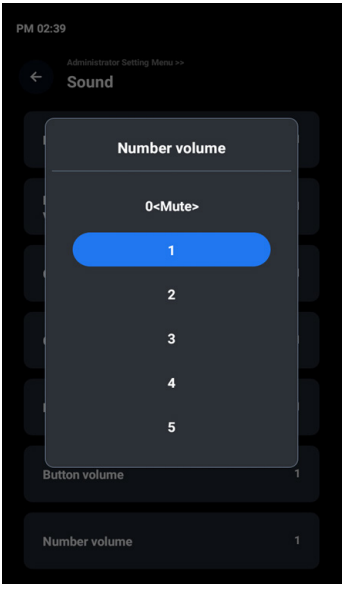
- Sets the Ment Volume.
- “0” sets the volume to mute.

4. Button Volume



- Sets the Button Volume.
- “0” sets the volume to mute.

5. Number Volume



- Sets the Number Volume.
- “0” sets the volume to mute.

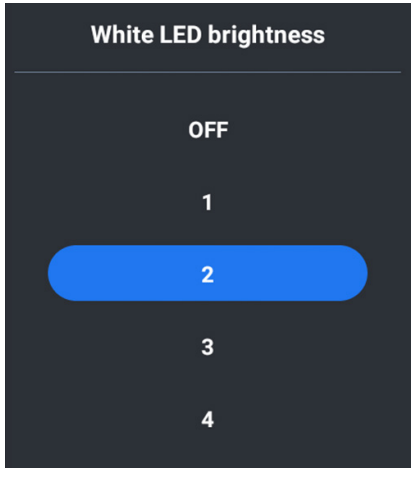
Settings_Video & LED

1. LCD Backlight Always ON

- Configures the LCD backlight status (unused/use).
- The default is set to “unused.”

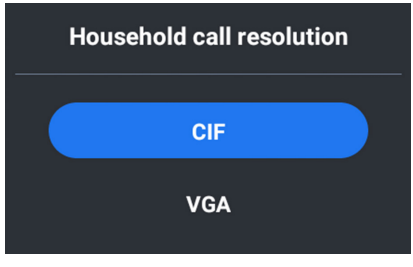
2. White LED Brightness

- Sets the brightness (1-5) of the white LED.
- The default brightness is set to “2.”



3. Household Call Resolution

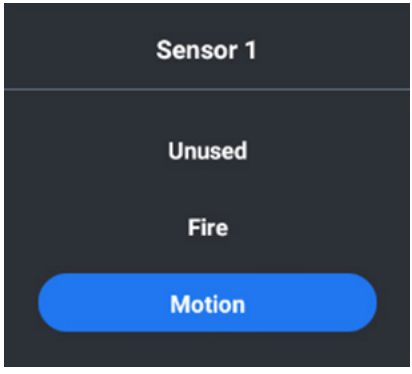
- Sets the resolution of the video sent upon calling a household.
- The default is set to “CIF.”



Settings_Sensor

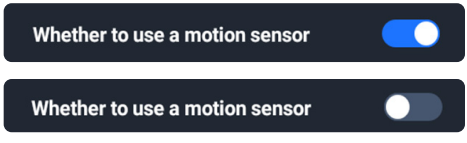
1. Sensor 1, 2

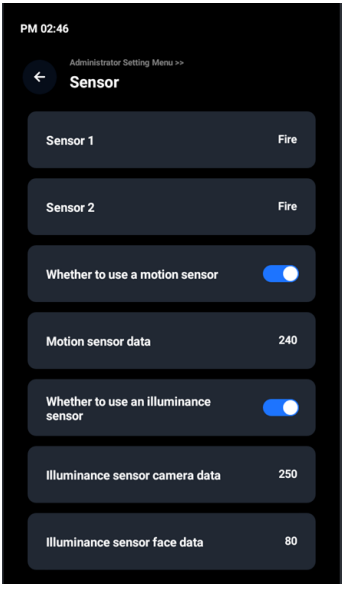
- Sets the sensors (unused, Fire, Motion detection).
- The default of sensor 1 is set to <Motion>.
- The default of sensor 2 is set to <Unused>.
- When the sensor operates after configuring the <Motion> setting, the door open function will be activated only for the set time.

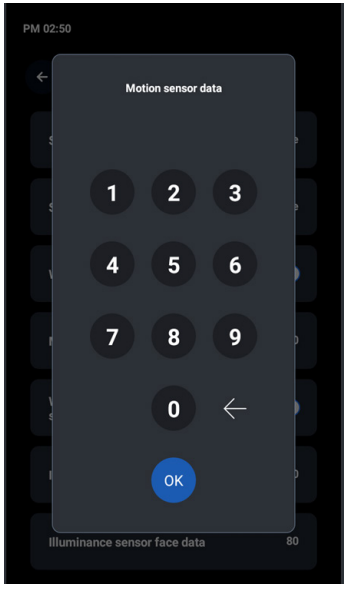


2. Motion Sensor

- Sets whether to use the motion sensor (unused/use).
- The default is set to <use>.





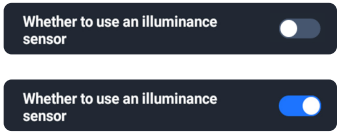


- The default is set to 240.
- There may be a margin of error depending on the environment of your use.

Settings_Sensor

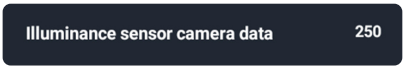
3. Illumination sensor use status

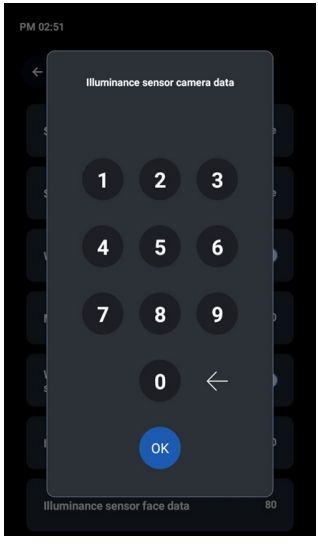
- You can configure whether to use the white LED operation according to the illumination sensor.



4. Illumination sensor camera data

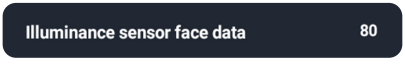
- Range (12 - 255)
- Default Value: 250
- The increase in the value leads to increased amount of white LED in conditions without light, aiding human face recognition.

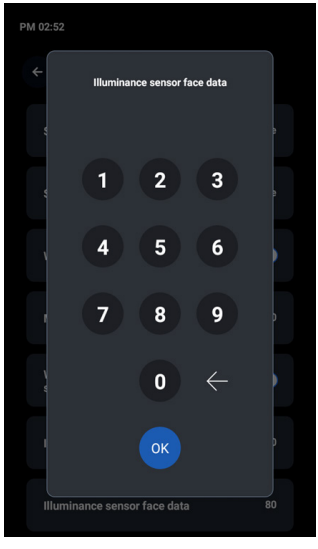




5. Illumination sensor face data

- 0: Use (12 - 255)
- Default Value: 80
- The increase in the value leads to increased amount of white LED in conditions without light, aiding human face recognition.

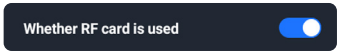


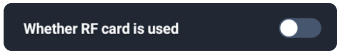


Settings_Door Open

1. RF Card Use Status

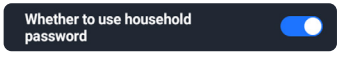
- You can configure whether to use the lobby front door's opening status with the RF card.

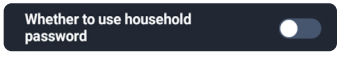




2. Household Password Use Status

- You can configure whether to use the lobby front door's opening status with the household password





3. Public Password Use Status

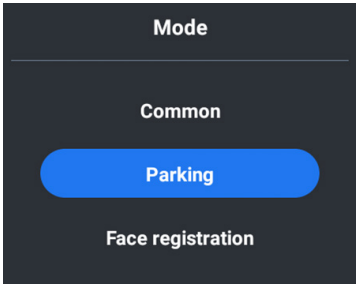
- You can configure whether to use the lobby front door's opening status with the public password.

4. Door Opening Time

- Sets the door opening time (1-9 seconds).
- The default is set to "2 seconds."
- The door open time is irrelevant to the automatic door open time.

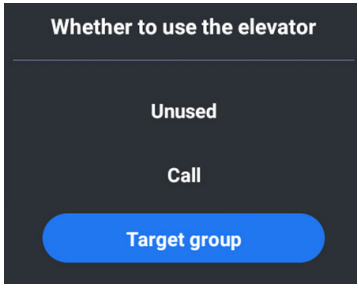
Settings_Sync

1. Mode



- You can configure the mode that matches your installation conditions.
- The default is set to “normal.”

2. Elevator Use Status



- You can configure the elevator call delay time when the lobby’s front door opens.

3. Elevator Call Delay Settings

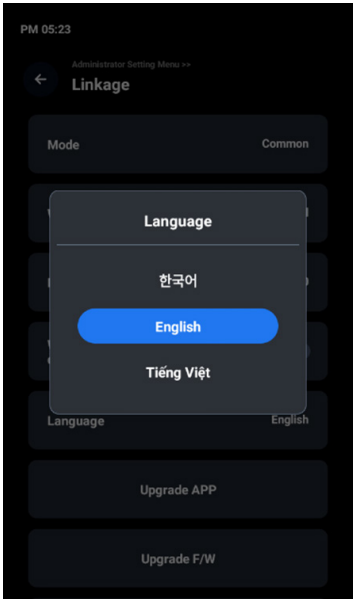
- You can configure whether to use the elevator call when the lobby’s front door opens.

4. CPU Temperature Display Use Status

- This function is used to display the internal temperature of the CPU.

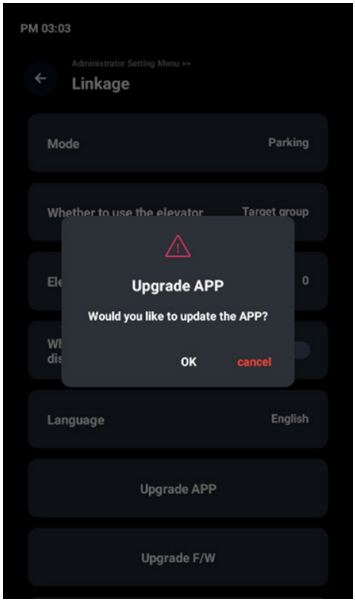
Settings_Sync

5. Language



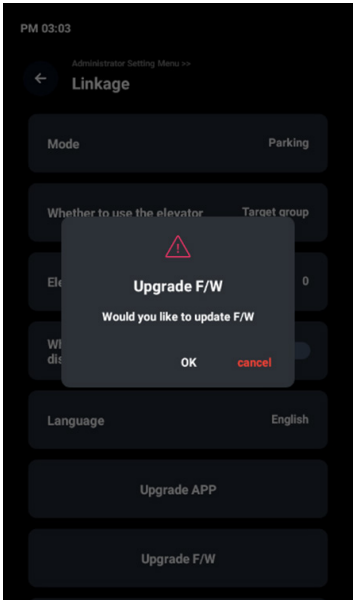
- You can set your language to Korean, English, or Vietnamese. The device reboots within 10 seconds of changing the language.

6. Upgrade APP



- Apartment Complex Server /home/kocomup/android/Updates to the app located in lobby/upgrade.

7. Upgrade F/W



- Apartment Complex Server /home/kocomup/android/Updates to the firmware file located in lobby/upgrade.

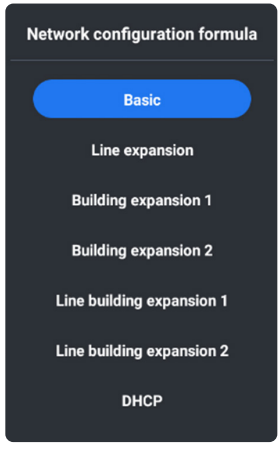
8. Unit map

- Only the Vietnam-oriented version supports the apartment/room number mapping setting.
- The default is set to not using the function.

Settings_Network

1. Network Configuration formula

- The type is set according to the apartment complex's network configuration method.
- Automatically configured according to the type.



<Automatic Network Address Distribution Method>

E.g.) When lobby No. 21 of apartment 201 calls Apartment 201 R304

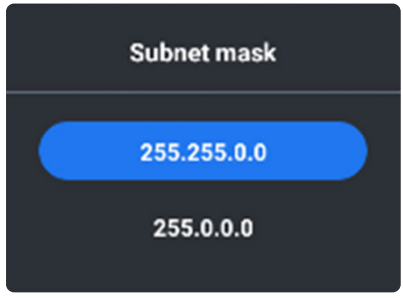
	0	1	2	3	4	5	6
	Default	Line Expansion	Building Expansion Type 1	Building Expansion Type 2	Line, Building Expansion Type 1	Line, Building Expansion Type 2	DHCP
Lobby IP Address	10.101.254.21	10.101.254.21	10.201.254.21	10.121.254.21	10.201.254.21	10.121.254.21	DHCP Address
household IP Address	10.1013.41	10.101.3.4	10.201.3.41	10.121.3.41	10.201.3.4	10.121.3.4	
Subnet Mask	255.255.0.0	255.255.0.0	255.255.0.0	255.255.0.0	255.255.0.0	255.255.0.0	
Default Gateway	10.101.0.254	10.101.0.254	10.101.0.254	10.101.0.254	10.101.0.254	10.101.0.254	
Building servers	For apartment complex server and SIP server, 10.245.254.1 or 2 is distributed automatically for connection.						
SIP Server							

※ Automatically accessed when the apartment complex server and SIP server are not entered manually. This is the address distribution method for unit IP addresses and communication. Please enter the address after checking the apartment complex's network address distribution method.

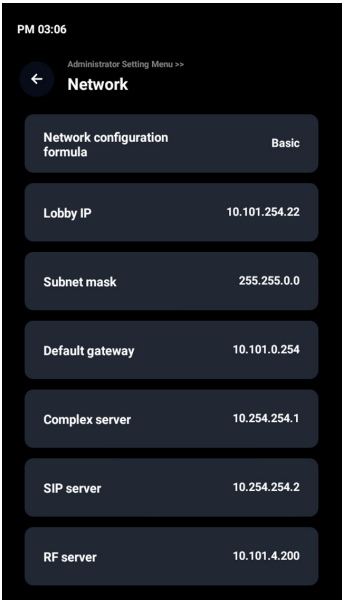
Settings_Network

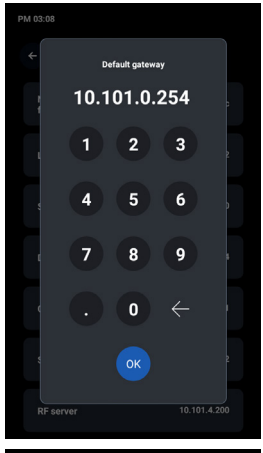
2. Subnet Mask

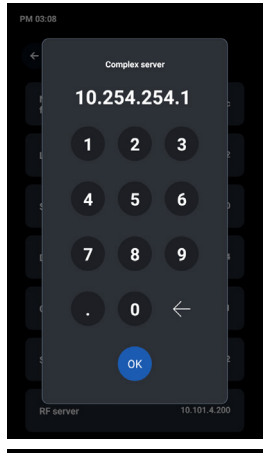
- The type is set according to the apartment complex's network configuration method.

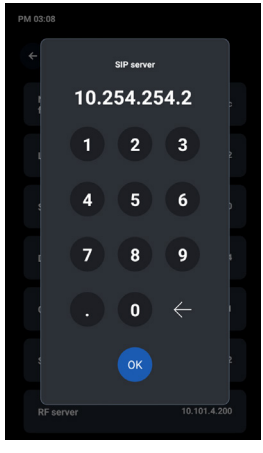


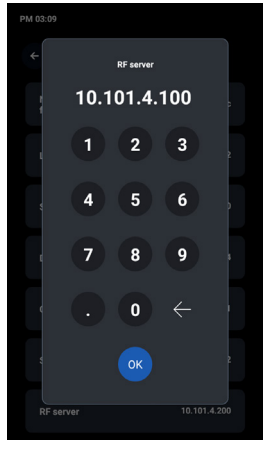
3. IP Address Manual Setting







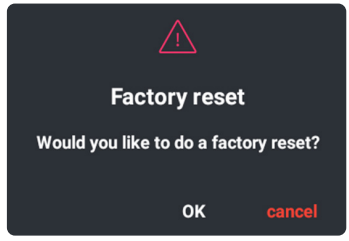




Settings_Reset

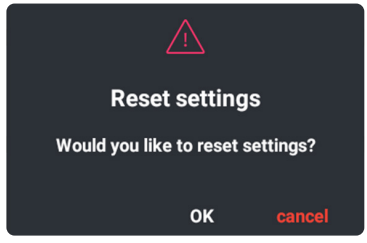
1. Factory reset

- We recommend not to use this function as it deletes all data.
- The device information stored in the lobby phone, unit passwords, and RF data are all reset.
- However, the saved face data is not reset.
- After the process, the device is rebooted.



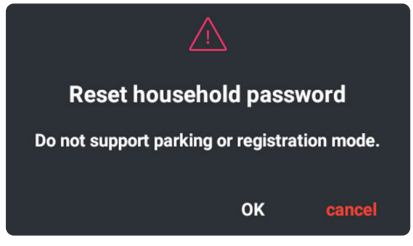
2. Reset Settings

- Resets the device information stored in the lobby phone.
- After the process, the device is rebooted.



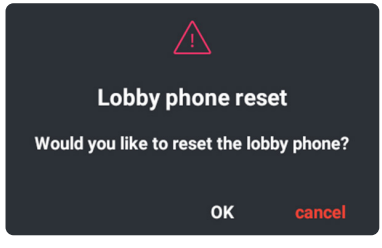
3. Reset household password

- Resets the household password data stored in the lobby phone.



4. Lobby Phone reset

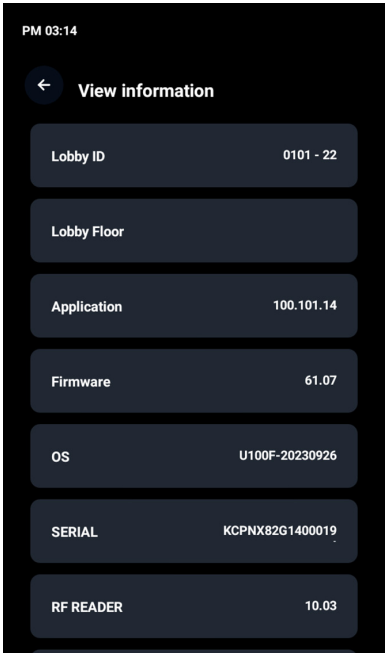
- Used for lobby phone reset.

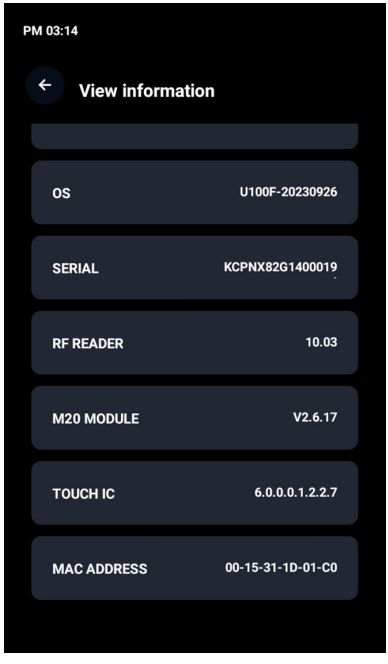


Settings_View Information

1. View Information

- Tap the <View Information> button on the guide menu.
- You can check the program's version.

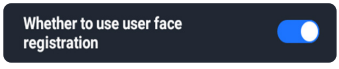




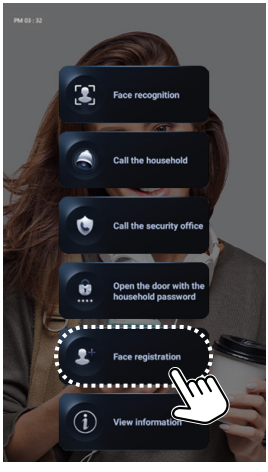
Settings_Face registration

1. Settings

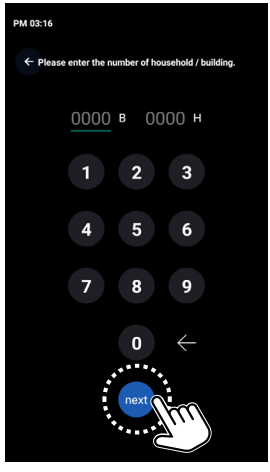
- Settings > Face Module > User Face Registration use status must be configured.

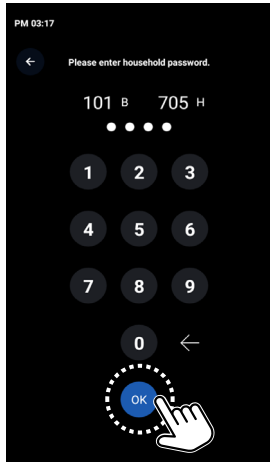


2. Face registration



- On the guide menu, tap the <Face registration>

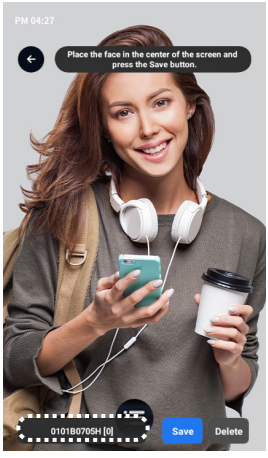




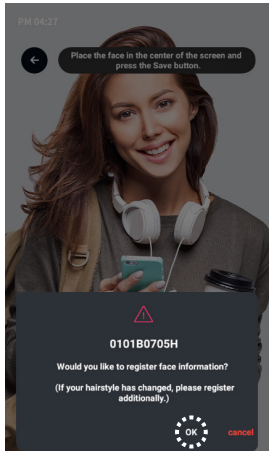
- Enter the unit's building and room numbers and tap the <OK> button.
- When you enter the password of the entered unit or contact the RF card, you will move on to the face registration screen.

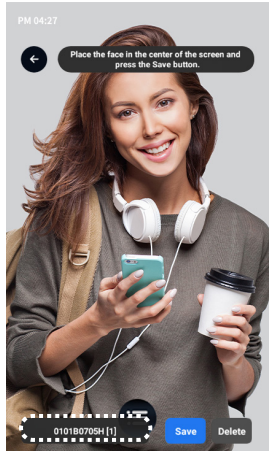
Settings_User Face registration

2. User Face registration



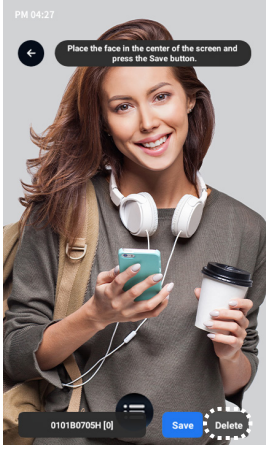
- Displays the number of faces saved in building 1105 R1209 [0].

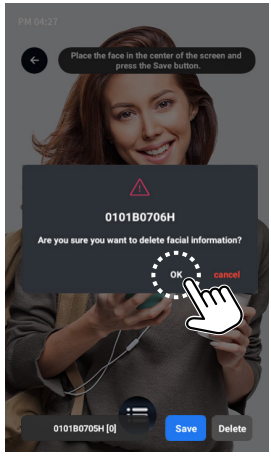




- Complete the registration by tapping the <OK> button.
- When the registration is complete, the number of faces saved in apartment 0101 R5015[1] is displayed. Up to 99 people can be registered to a single unit number.

3. Delete User Face registration





- To delete the unit's face data, tap the <Delete> button.
- Tap the <OK> button on the deletion notification window.

Precautions for Face Registration

- Please locate your face at the center so it can be properly seen.
- Be careful not to change your facial expression (winking, frowning, smiling, etc.)
- The face recognition may take a long time or fail if you do not follow the instruction on display.
- Do not wear sunglasses, hats, or eyepatches.
- Be careful not to make two faces appear on the same screen. - Register one at a time.
- We recommend those who wear glasses to register both their faces with glasses on and off.
- Be careful not to cover your forehead, eyes, eyebrows, and ears.
- If you have changed your hairstyle, please register again.

KOCOM

Please check the following items before requesting a repair; please inquire the nearest KOCOM service center after confirming that issues persist despite checking the items.

KOCOM CO.,LTD.
www.kocom.co.kr

This manual's version is based on the date on the right; this manual may be changed without prior notice for quality enhancement purposes.

ASTRO KLP-U100F X1121