FE-500

User Guide

- **FCC Compliance Statement**

- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- **FCC Interference Statement**

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- • Reorient or relocate the receiving antenna.

- • Increase the separation between the equipment and receiver.

- • Connect the equipment into an outlet on a circuit different from which the receiver is connected.

- • Consult the dealer or an experienced radio/TV technician for help.

- **FCC Caution**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- **FCC Radiation Exposure Statement**

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
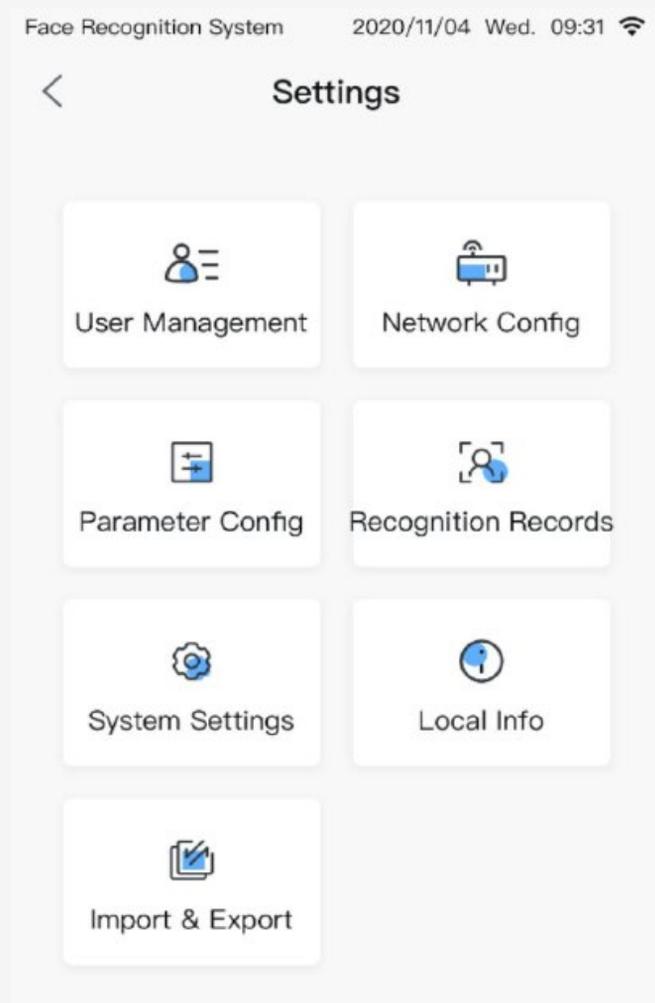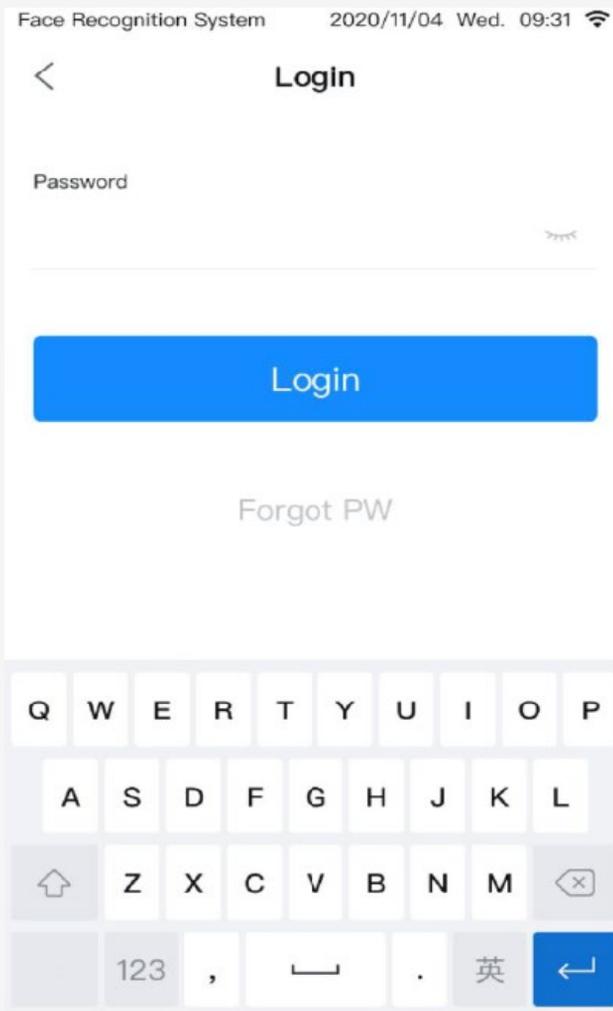
Enter main menu

To start the main menu, click the setting icon on main LCD bottom right

Or long press the screen with the finger for 5s

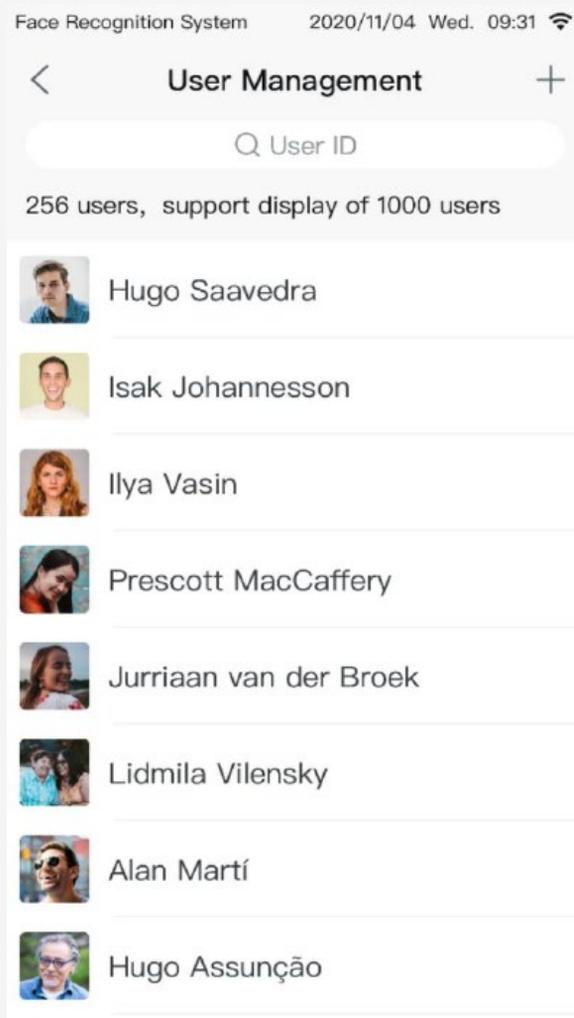To enter the main menu of the device, need to login the background

Default password is "1234"

Face Recognition System	2020/11/04 Wed. 09:31

< **Login**

Password

Login

Forgot PW

Q	W	E	R	T	Y	U	I	O	P

A	S	D	F	G	H	J	K	L

⇧ Z X C V B N M ⌫

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Face Recognition System	2020/11/04 Wed. 09:31

< **Settings**

User Management	Network Config
Parameter Config	Recognition Records
System Settings	Local Info
Import & Export	

- **Tip:** if you forgot password: tap Forgot PW to enter corresponding interface; refer to Forgotpassword for subsequent operations.

User Management#1(add user)
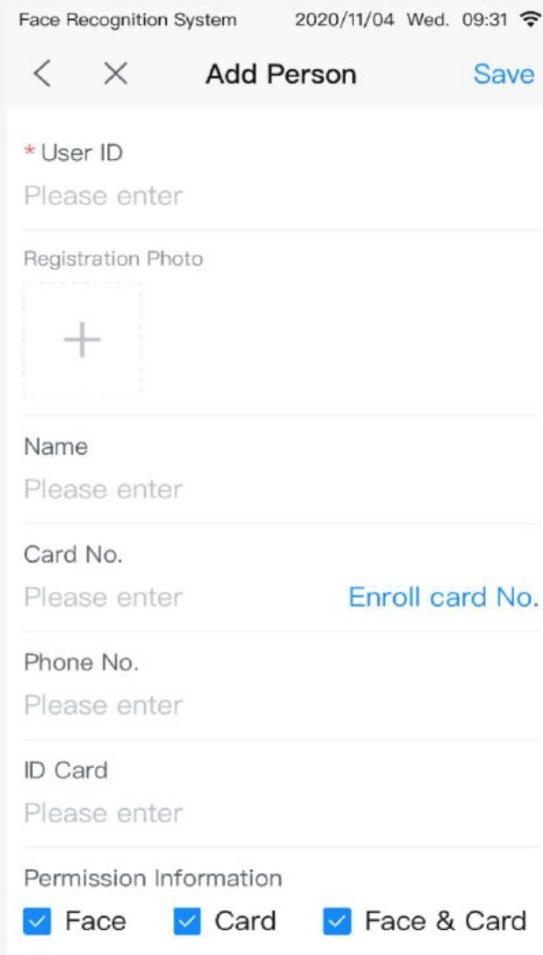
Click user management icon on main menu

– Click **+** to enter the page of adding users.

User Management #2 (add user)

-Input User ID and click Registration Photo

-After Photo registration, Input Name, Card number etc

 (Name and photo and User ID are required, if empty, registration will be fail.)

Face Recognition System	2020/11/04 Wed. 09:31
< ✕ **Add Person**	Save

* User ID
Please enter

Registration Photo
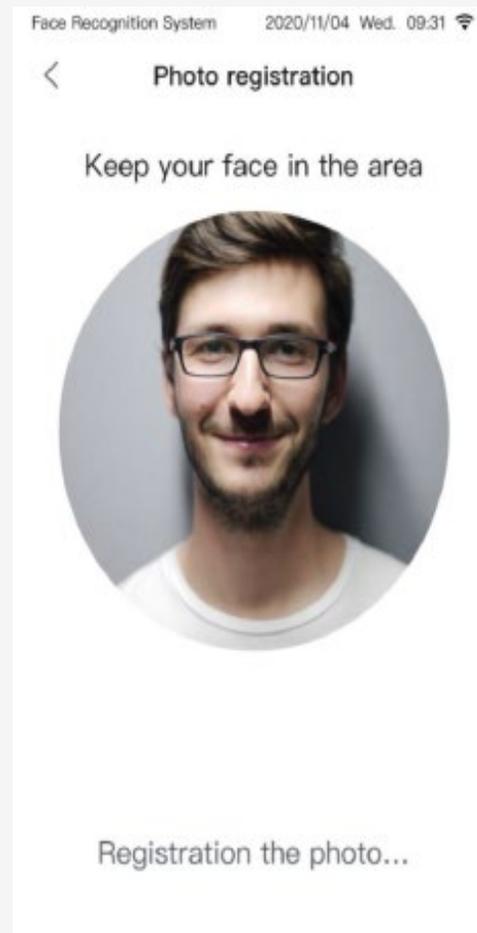
+

Name
Please enter

Card No.
Please enter   Enroll card No.

Phone No.
Please enter

ID Card
Please enter

Permission Information
☑ Face   ☑ Card   ☑ Face & Card

Face Recognition System	2020/11/04 Wed. 09:31
<	Photo registration

Keep your face in the area

Registration the photo...

-Please keep the whole face within recognition frame.
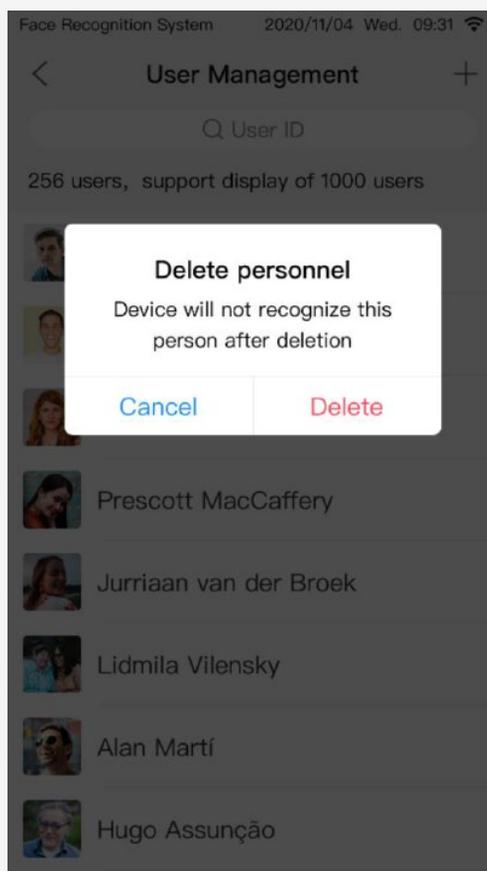-At most 3 registration photos can be added, with the same adding mode of the first photo.
-3s later as the face registered successfully, it will back to Adding interface automatically, or, manually tap "*Complete*" to return immediately.
- *After enroll Userid, photo,Name, you must click the save icon.*

User Management #3(delete user)

Delete users and their information, cancel all recognition permissions.

- Tap *User management on main interface to enter corresponding page.*

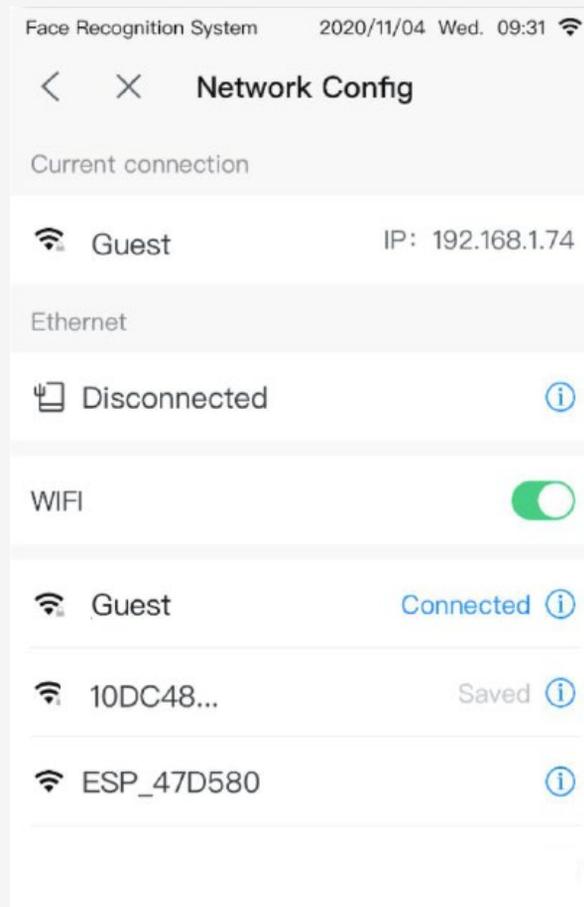- Select user and tap the right 🗑.

Tap *Delete on pop-up box to confirm deletion; or, tap Cancel to cancel the deletion*

Network Configuration#1

Display current network state: Not connect or Connected (Wi-Fi/Ethernet).

- Tap *Network configuration on main interface to enter corresponding interface*
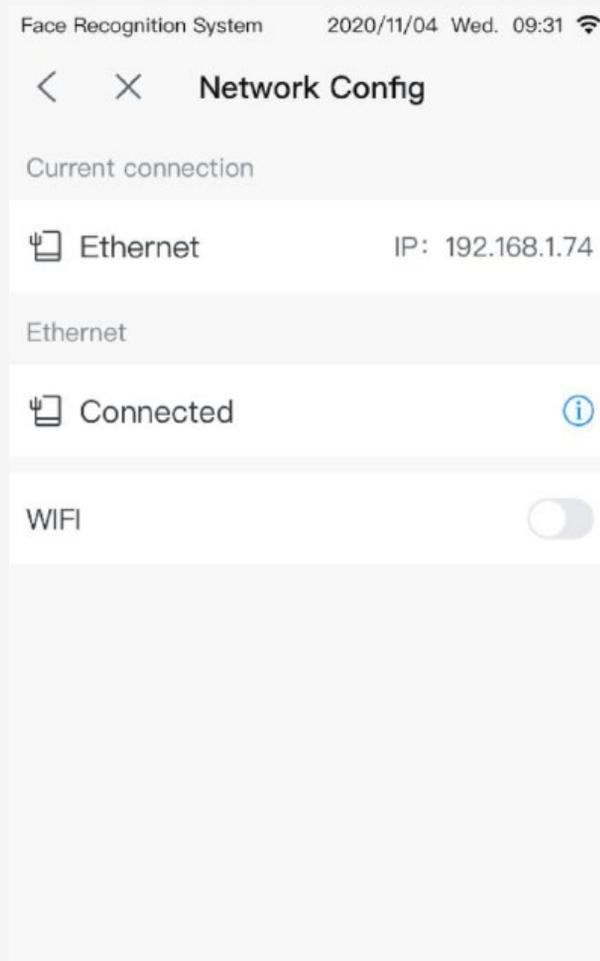

Page of network configuration

Network Configuration#2(Configure Ethernet)

Configure Ethernet parameters of the device, including IP address,
gateway address, Subnet mask and DNS.

-Tap *Network configuration on main interface to enter corresponding page.*
- Tap the (i) beside Ethernet connection to enter configuration page

Face Recognition System   2020/11/04 Wed. 09:31

< ✕   Network Config

Current connection

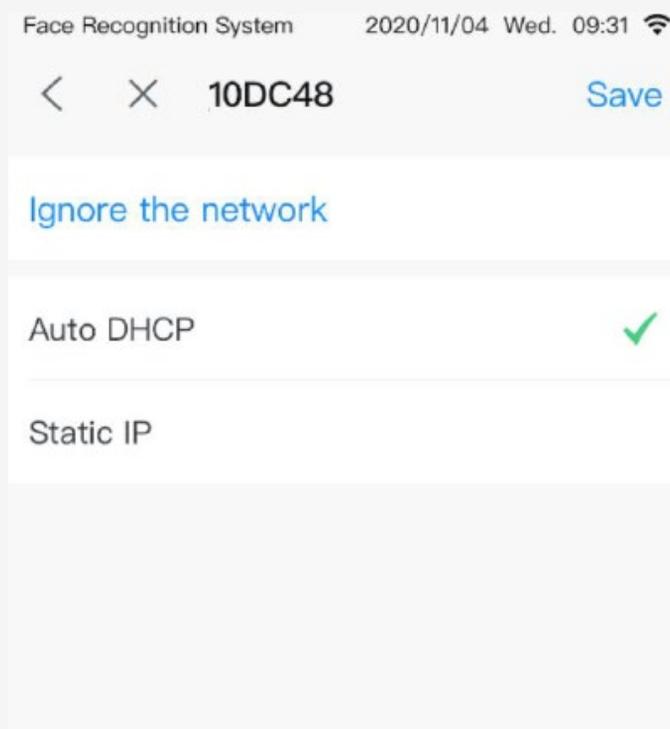| 𐃏 Ethernet | IP: 192.168.1.74 |

Ethernet

| 𐃏 Connected | (i) |

| WIFI | ⬤ |

Choose **Auto obtain DHCP; or choose Static IP , to manually configure Ethernet**
parameters, including IP address, gateway address, subnet mask and DNS.

Network Configuration#3(Configure Wi-Fi)

Configure wifi parameters of the device, including IP address,
   gateway address, Subnet mask and DNS.

-Tap *Network configuration on main interface to enter corresponding page.*
- Optional operation: Tap the right side 〇 to enable/disable Wi-Fi function

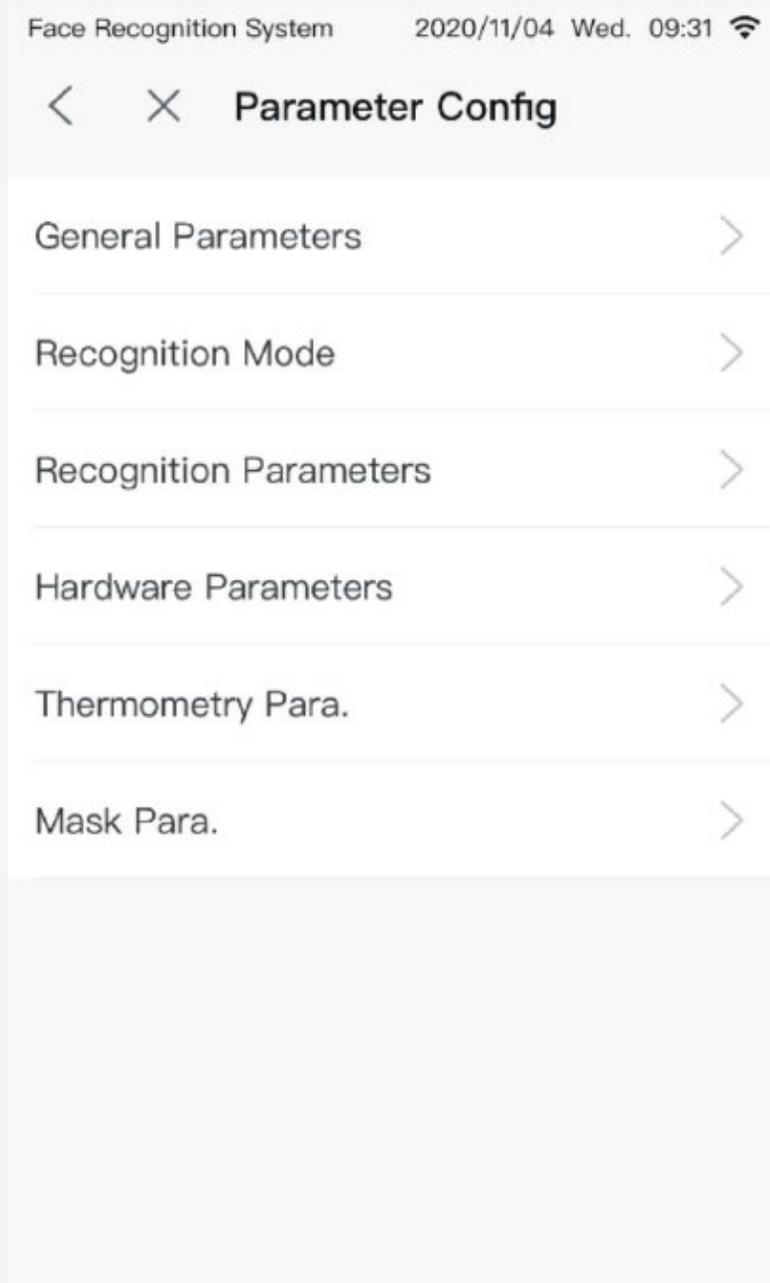-Enable Wi-Fi function, will display searched Wi-Fi list, sort by signal intensity,
-connected Wi-Fi will be on top; disable Wi-Fi function, fold the Wi-Fi list.
-Judge Wi-Fi intensity via icon pattern, and whether password is required.
-Wi-Fi list will auto-refresh in every 10s..

Select **Auto obtain DHCP or select Static IP , to manually configure Ethernet parameters,**
including IP address, gateway address, subnet mask and DNS.

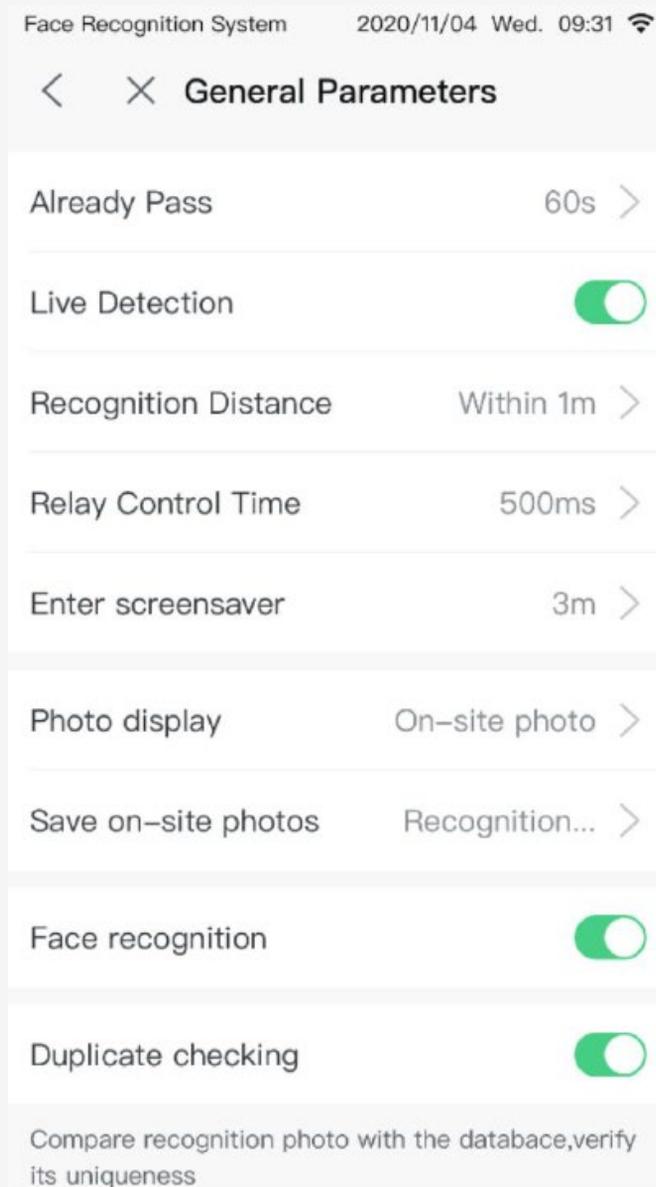# Parameter configuration #1

Includes General parameters, recognition modes and recognition parameters.

Face Recognition System   2020/11/04 Wed. 09:31

Parameter Config

General Parameters >

Recognition Mode >

Recognition Parameters >

Hardware Parameters >

Thermometry Para. >

Mask Para. >

Parameter configuration #1(General parameters)

Includes Already pass, switch of live detection, recognition distance and relay control time settings.

Face Recognition System 2020/11/04 Wed. 09:31

< ✕ **General Parameters**

Already Pass	60s	>
Live Detection	⬤	
Recognition Distance	Within 1m	>
Relay Control Time	500ms	>
Enter screensaver	3m	>
Photo display	On–site photo	>
Save on–site photos	Recognition...	>
Face recognition	⬤	
Duplicate checking	⬤	

Compare recognition photo with the database,verify its uniqueness

Parameter configuration #2(General parameters)

- **Already pass:** Definition: Within corresponding time period, the device will only
upload the recognition record once, default as 60s.

- **Live detection:** Enable and disable Live detection function.

- **Recognition distance:** Set the device recognition distance.
- Enable/Disable Live detection, optional items on this page are different, picture above
- shows the parameter list when Live detection is on.

- **Relay control time:** Definition: Relay controls the time interval of opening &
closing the door, default as 3s.

- **Screen saver:** Definition: How soon that the device will enter screen saver
when it is idle, default is 3min

- **Display registration photos:** Set the display mode of registration photos.
- Mode definition
- ① On-site photos: the captured real-time face image via the camera during successful
- recognition;
- ② Registration photos: the registration photo stored in underlying library of correspondir
- user;
- ③ Not display: Not display any face images.

- **Save on-site photos:** Set that, under what kind of circumstances, will save
on-site photos

- Mode definition
- ① On-site photos: the captured real-time face image via the camera during successful
- recognition;
- ② Registration photos: the registration photo stored in underlying library of correspondir
- user;
- ③ Not display: Not display any face images

Parameter configuration #3(General parameters)

- **- Face comparison:** When edit users, whether to compare updated photo with original registration photos, to ensure the new photos are of the same person.

- **- Duplicate checking :** As enabled, when register new user, the device will compare the registration photo

Parameter configuration #4(Recognition modes)

Includes the switch of face recognition and card recognition, as well as parameter settings of face recognition function.

Face Recognition System 2020/11/04 Wed. 09:31

< ✕ **Recognition Mode**

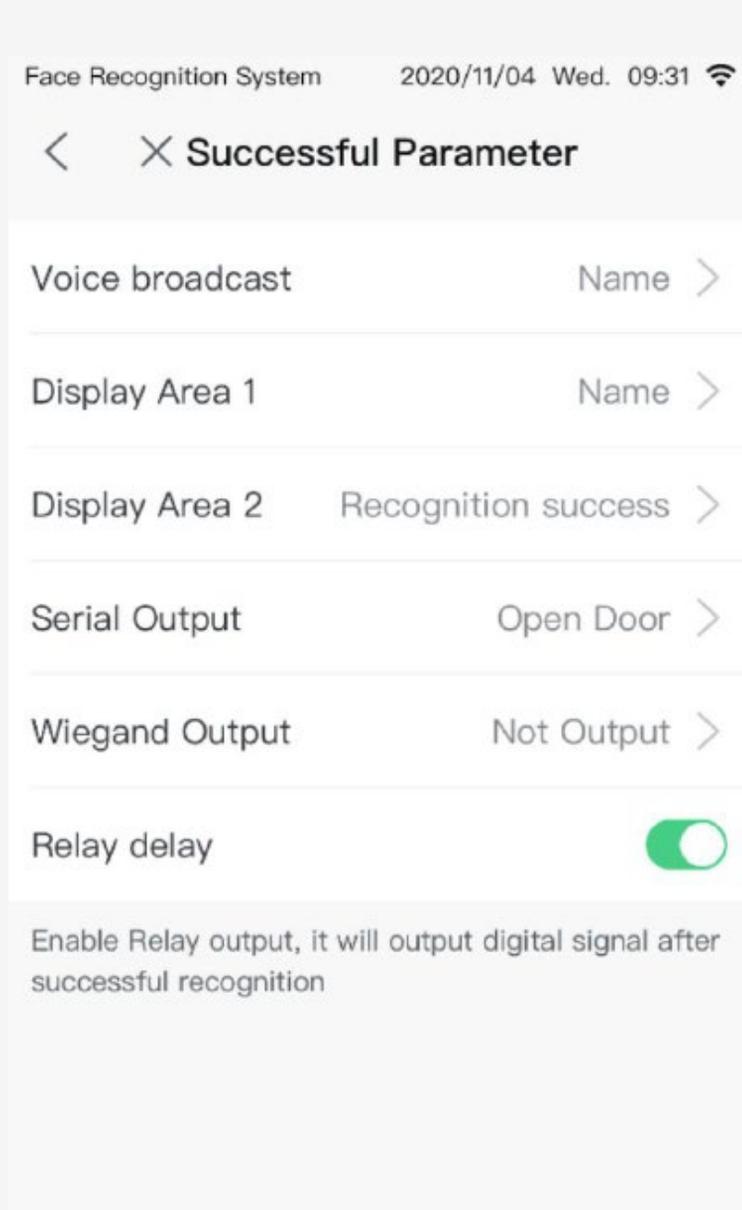|	
Face	⬤
Recognition threshold	80 >
Single\Multi–faces	Multi–faces >
Card	⬤
Face & Card	◯
QR mode	⬤

Parameter configuration #5(Recognition modes)

 - **Face:** Set to enable or disable Face recognition function; as enabled, can configure
recognition threshold, switch of Single/Multi faces mode.

- **Recognition threshold :**
- ☐ The larger the threshold, the higher the face recognition accuracy; to ensure accuracy
rate, suggested value is 60~100.
- ☐ Range of threshold is 0~100, default value is 80.

- **Single/Multi face mode :**
- ☐ Single mode : The recognition area only detects the largest face
- ☐ Multi mode : All faces in the recognition area will be detected

- **Card recognition :** Set the switch of card recognition function,
and whether to enable face&card verification

Parameter configuration #6
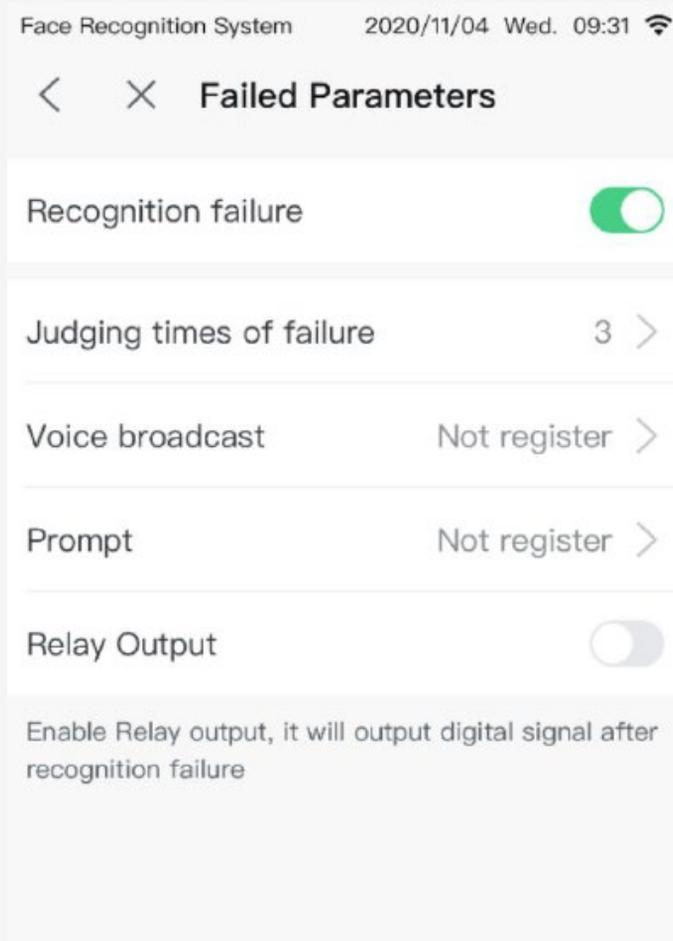# (Parameters of successful recognition)

Operate series configurations after successful recognition,
including modes of voice broadcast, screen display text, serial -port output,
Wiegand output, relay output and custom settings.

Face Recognition System	2020/11/04 Wed. 09:31

< ✕ **Successful Parameter**

Voice broadcast	Name >
Display Area 1	Name >
Display Area 2	Recognition success >
Serial Output	Open Door >
Wiegand Output	Not Output >
Relay delay	⬤

Enable Relay output, it will output digital signal after
successful recognition

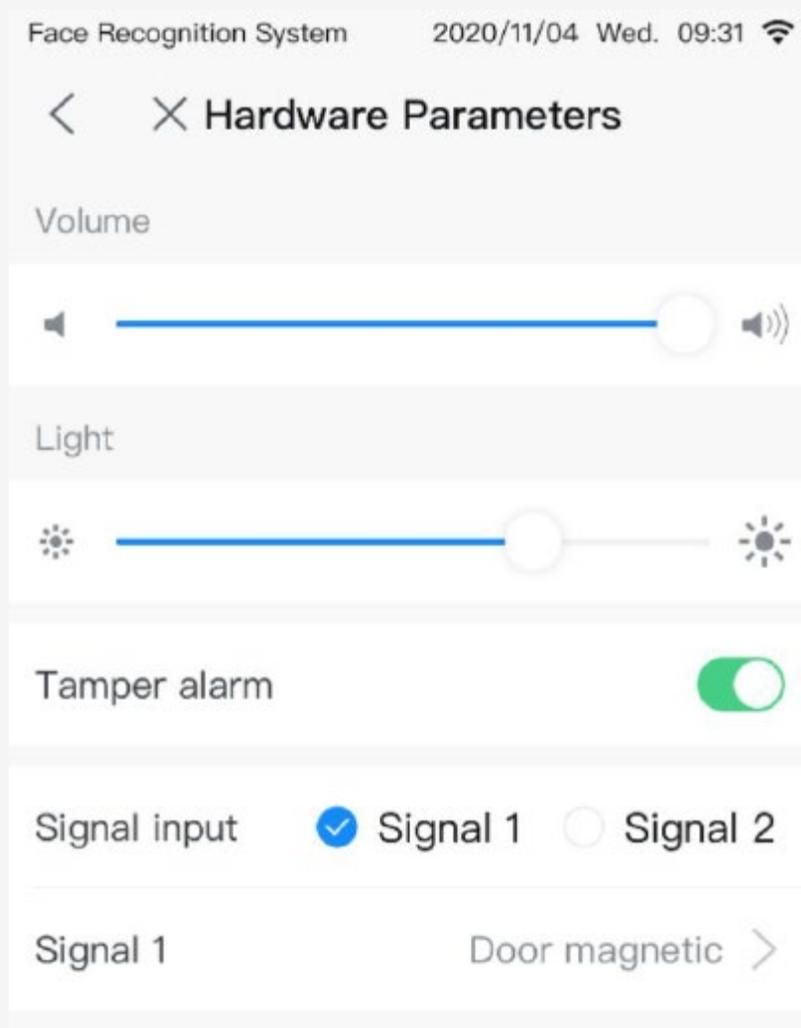# Parameter configuration #7 (Parameters of failed recognition)

Set whether to enable the failure handling, including number of retries, voice broadcast, recognition result and relay output mode
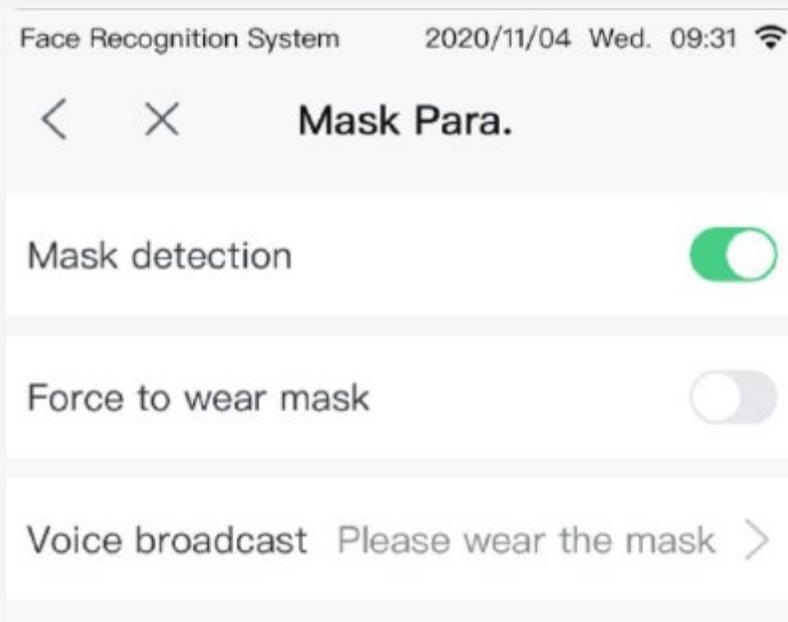
Parameter configuration #8 (Hardware parameters)

Can set hardware-related parameters, including volume adjustment, light adjustment, tamper switch, signal input and signal definition

Face Recognition System   2020/11/04 Wed. 09:31

<   ✕ **Hardware Parameters**

Volume

Light

Tamper alarm

Signal input   ✓ Signal 1   ○ Signal 2

Signal 1   Door magnetic >

Parameter configuration #9 (Mask parameters)

Can set mask detection related parameters, including switch of mask detection, switch of force to wear a mask, and custom content of voice broadcast.

Face Recognition System	2020/11/04 Wed. 09:31

< ✕   Mask Para.

Mask detection	⬤
Force to wear mask	○
Voice broadcast	Please wear the mask >

Parameter configuration #1
(System Settings)

- **Change password :** Change admin password.

- **Switch language:** Switch system language

- **Set time :** Can set corresponding parameters of system time, including timezone, date, time and NTP timing

- **NTP timing:** If enable this function, device will auto sync clock on NTP time server

- **Restart/Reset :** Choose to reset, the device will delete all data, restore device to factory settings. This process is irreversible, please operate with caution