LTK3607FM Face Recognition Terminal

Quick Start Guide

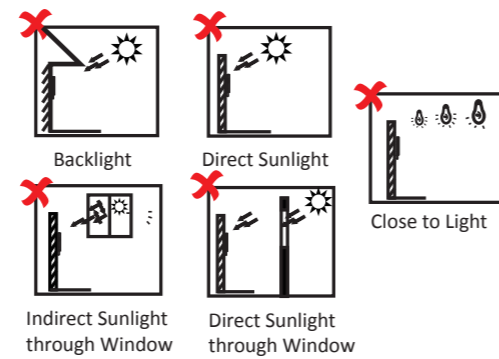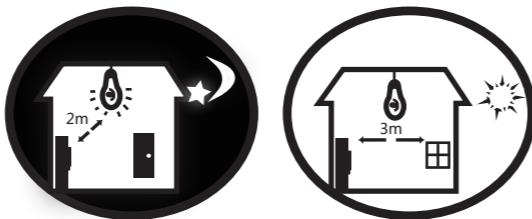| Model	Manufacturer	Standard
C2000IC12.0-24P-DE	MOSO Power Supply Technology Co., Ltd.	CEE
C2000IC12.0-24P-GB	MOSO Power Supply Technology Co., Ltd.	BS
ADS-24S-12 1224GPG	Shenzhen Honor Electronic Co., Ltd.	CEE

1 Installation

Installation Environment:

- Indoor and outdoor installation are supported. When installing the device indoors, the device should be at least 2 meters away from the light, and at least 3 meters away from the window or door.
- Make sure the environment illumination is more than 100 Lux.

10Lux   100~850Lux   >1200Lux

2m   3m

Backlight   Direct Sunlight   Close to Light

Indirect Sunlight through Window   Direct Sunlight through Window
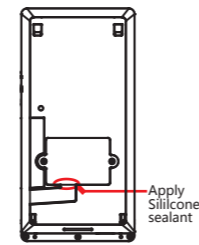
Before you start:
According to the baseline on the mounting template, stick the mounting template on the wall or other surface, 1.4 meters higher than the ground.
Note: Make sure the output of external power supply fulfils LPS.

Steps:
1. Drill holes on the wall or other surface according to the mounting template and install the gang box.
2. Use two supplied screws (4_KA4×22-SUS) to secure the mounting plate on the gang box.
   Use another four supplied screws to secure the mounting plate on the wall.
   Route the cables through the cable hole of the mounting plate, and connect to the corresponding external devices' cables.
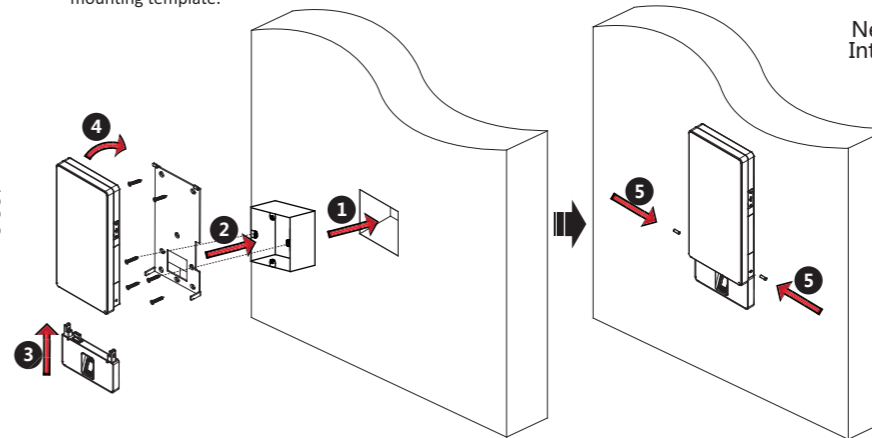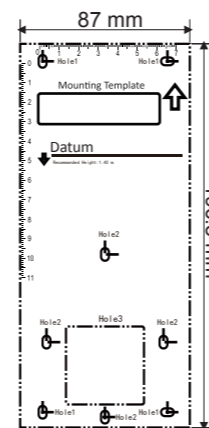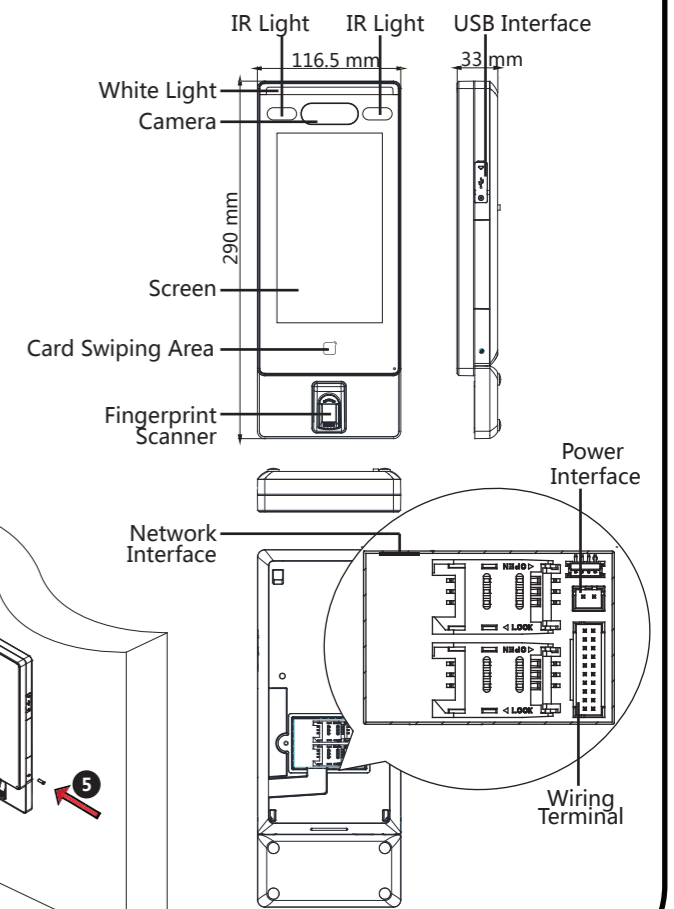   *Note:* Apply Silicone sealant among the cable wiring area to keep the raindrop from entering.
3. Insert the fingerprint module to the holes at the bottom of the main part.
4. Align the device with the mounting plate and hang the terminal on the mounting plate.
5. Make sure the two sheets on each side of the mount plate have been in the holes at the back of the device.
   Use two supplied screws (SC-M4×12TP10-SUS) to secure the device and the mounting plate.

Notes:
- The installation height here is the recommended height. You can change it according to your actual needs.
- You can also install the device on the wall or other places without the gang box. For details, refer to the User Manual.
- For easy installation, drill holes on mounting surface according to the supplied mounting template.

Apply Silicone sealant

87 mm   196.8 mm

Mounting Template

Datum

Dimensions:

IR Light   IR Light   USB Interface
116.5 mm   33 mm
White Light
Camera
Screen
Card Swiping Area
Fingerprint Scanner
290 mm
Power Interface
Network Interface
Wiring Terminal

Note: The figures are for reference only.

2.1 Device Wiring (Without Secure Door Control Unit)

Power Input
+12V A1 Red +12V
GND A2 Black GND
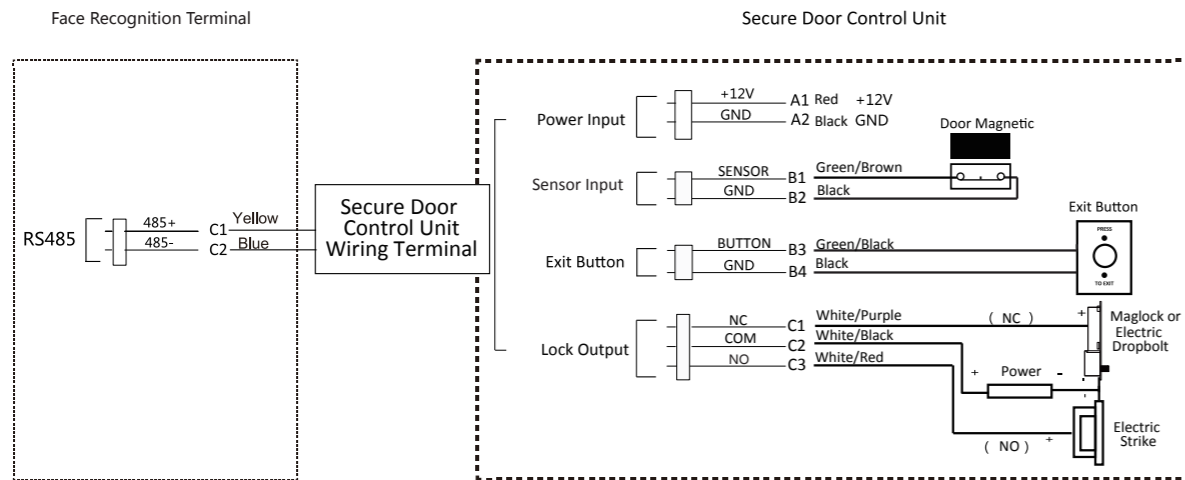**Group A**

Alarm Input
IN1 B1 Yellow/Blue
GND B2 Yellow/Black
IN2 B3 Yellow/Orange
Alarm Input Device

Alarm Output
NC B4 Yellow/Purple (NC)
COM B5 Yellow/Brown Power Alarm Ouput Device
NO B6 Yellow/Red (NO) Alarm Ouput Device
Group B

RS-485
485+ C1 Yellow
485- C2 Blue
GND C3 Black

Wiegand
W0 C4 Green
W1 C5 White
OK C6 Brown
ERR C7 Orange
BUZZER C8 Purple
TAMPER C9 Gray
Group C
Wiegand Card Reader
External Power Supply

Exit Button
PRESS
TO EXIT

Door Lock
NC D1 White/Purple (NC)
COM D2 White/Yellow
NO D3 White/Red
SENSOR D4 Yellow/Green
BUTTON D5 Yellow/Gray
Group D
Maglock or Electric Dropbolt
Power
Door Magnetic
Electric strike
(NO)

Network Interface

Notes:
- When connecting door magnetic sensor and exit botton, the device and the RS-485 card reader should use the common ground connection.
- The Wiegand termianl here is a Wiegand input terminal. You should set the face recognitionl termianl's Wiegand direction to "Input". If you should connect to an access controller, you should set the Wiegand direction to "Output". For details, see Setting Wiegand Parameters in Section 7.3.1 Communication Settings.
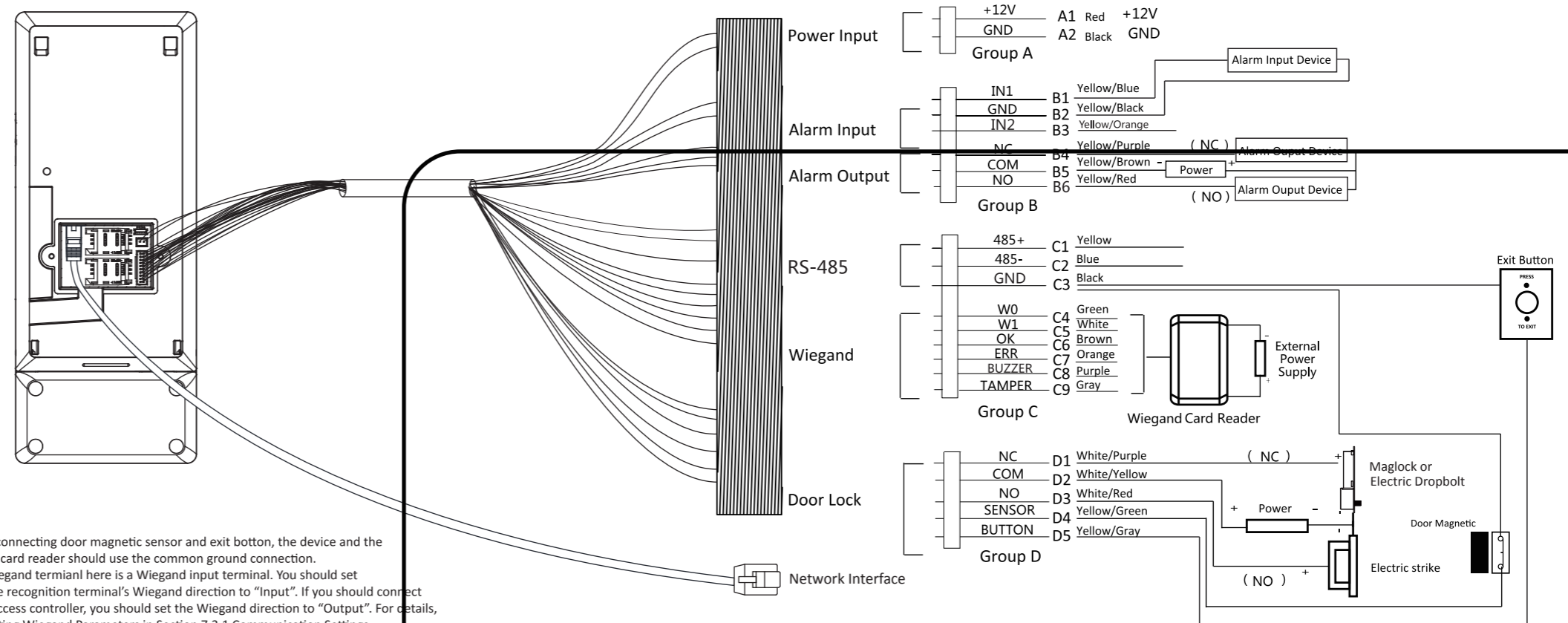
2.2 Device Wiring (With Secure Door Control Unit)

Face Recognition Terminal

Secure Door Control Unit

Secure Door Control Unit Wiring Terminal

RS485 — 485+ C1 Yellow
485- C2 Blue

Power Input — +12V A1 Red +12V
GND A2 Black GND

Sensor Input — SENSOR B1 Green/Brown
GND B2 Black

Door Magnetic

Exit Button — BUTTON B3 Green/Black
GND B4 Black

Exit Button
PRESS TO EXIT

Lock Output — NC C1 White/Purple (NC)
COM C2 White/Black
NO C3 White/Red

Maglock or Electric Dropbolt

Power

Electric Strike

(NO)

Note: The secure door control unit should connect to an external power supply seperately.

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3 Activation

Power on and wire the network cable after installation. You should activate the device before the first login.

Activating via Device

If the device is not activated yet, it will enter the Activate Device page after powering on.
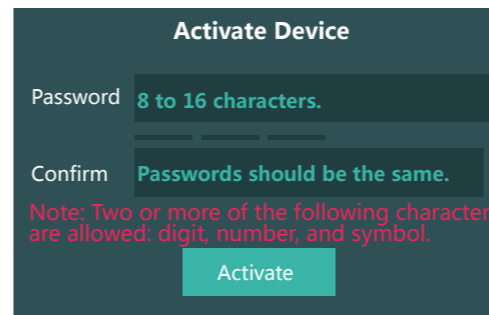**Steps:**
1. Create a password and confirm the password.
2. Tap **Activate** to activate the device.
Note: For other activation methods, see the device user manual.

⚠️ STRONG PASSWORD RECOMMENDED–
We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your

Activate Device

Password 8 to 16 characters.

Confirm Passwords should be the same.

Note: Two or more of the following characters are allowed: digit, number, and symbol.

[Activate]

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3 Two-Way Audio

After adding the device to the client software, you can call the device from the client software, call the client software from the device, call the center from the device, or call the indoor station form the device.

- **Call Client Software from Device**
  After adding the device on the client software, tap 📞 -> 👤, and tap **Answer** on the pop-up window on the client software to start two-way audio.
  Note: If the device is added by multiple client softwares and when the device is calling the client software, only the first client software added the device will pop up the call receiving window.

- **Call Center from Device**
  After adding the device and center on the client software, tap 📞 -> 👤 to call the center. When the center answers the call, you can start two-way audio.
  Note: The device will call the center in priority when tap the administrator icon.

- **Call Device from Client Software**
  After adding the device on the client software, you can enter the Live View page. Right click the live view window and click **Start Two-Way Audio** to start two-way audio.

- **Call Indoor Station from Device**
  After adding the device and the indoor station on the client software, link the added user and the added indoor station, and set a room No. for the indoor station.
  Tap 📞 and enter the room No. And tap 📞 to call the indoor station.

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4 Adding Face Information

1. Tap the settings icon at the lower right corner of the initial page and input the activation password to enter the main page.

2. Enter the User Management page, tap + to enter the Add User page.
   Note: Only the devices with the fingerprint module support the fingerprint related functions.

4. Tap **Face** and collect the face information according to the instructions.
   You can view the captured picture at the upper right corner of the page. Make sure the face picture is in good quality and size. For details about the tips and positions when collecting or comparing the face picture, see the contents on the right.

5. If the picture is in good condition, tap Save to save the picture. Or tap **Try Again** to take another face picture.

6. Tap ✔ to save the settings.
   Go back to the initial page to start authentication.
   For other authentication methods, see the device user manual.

Recommended:
Use 1:1 Face Matching when the face is hard to recognize.
Use other authentication methods if the device if affected by the light or other items.
1:1 Matching: The device will compare the captured face picture with the ones in the database.
1:N Matching: The device will compare the captured face picture with the user linked face picture.

⚠️
- Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentica- tion modes.
- If you adopt multiple authentication modes, you should authenticate other methods before authenticating face.

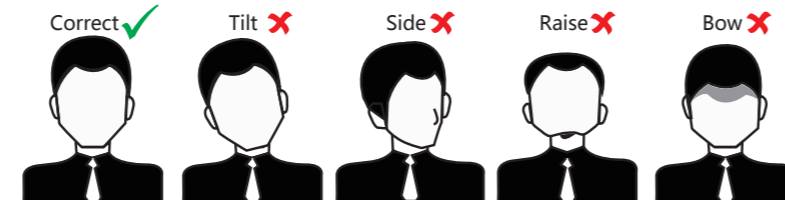### Tips When Collecting/ Comparing Face Picture

Expression

- Keep your expression naturally when collecting or comparing face pictures, just like the expression in the picture on the right.

- Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.

- Do not make your hair cover your eyes, ears, etc. and heavy makeup is not allowed.

Posture

In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.
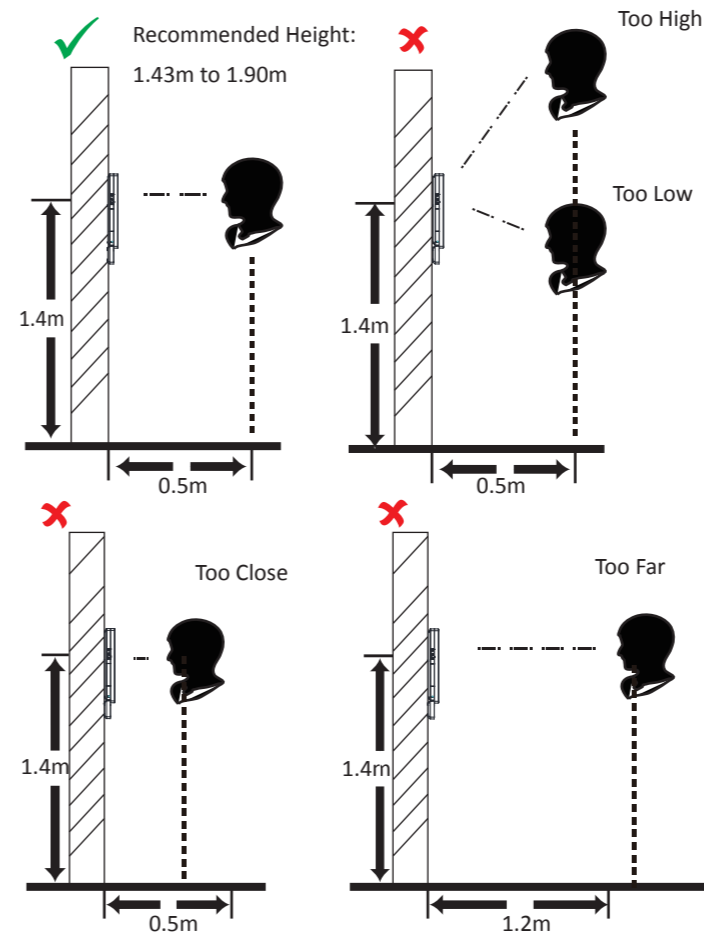
Correct ✔   Tilt ✖   Side ✖   Raise ✖   Bow ✖

Size

Make sure your face is in the middle of the collecting window.

Correct ✔   Too Close ✖   Too Far ✖

Too Close Correct Too Far
Height: 1.43m to 1.90m
Move Back and Forth
0.5m
1.4m

Positions When Collecting/ Comparing Face Picture
(Recommended Distance: 0.5m)

✔ Recommended Height:
1.43m to 1.90m

✖ Too High

✖ Too Low

1.4m   0.5m

1.4m   0.5m

✖ Too Close

✖ Too Far

1.4m   0.5m

1.4m   1.2m