QUICK START GUIDE
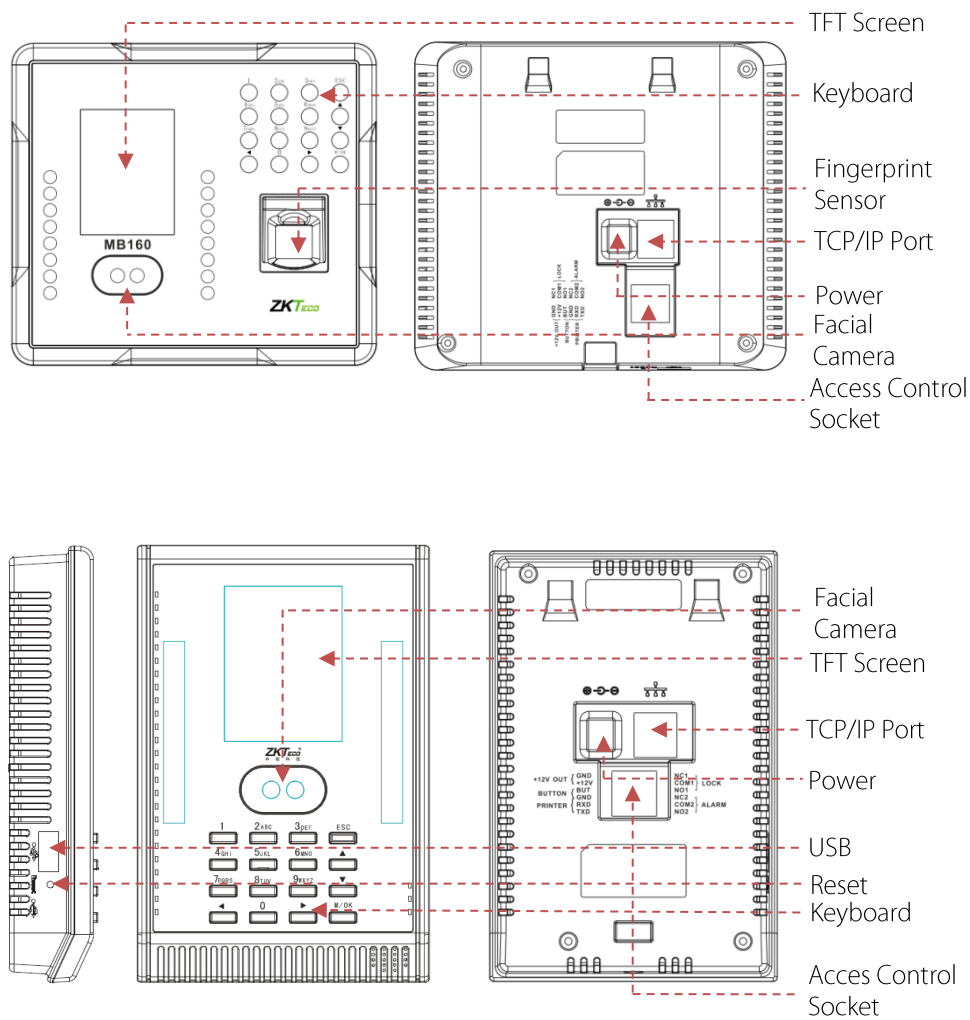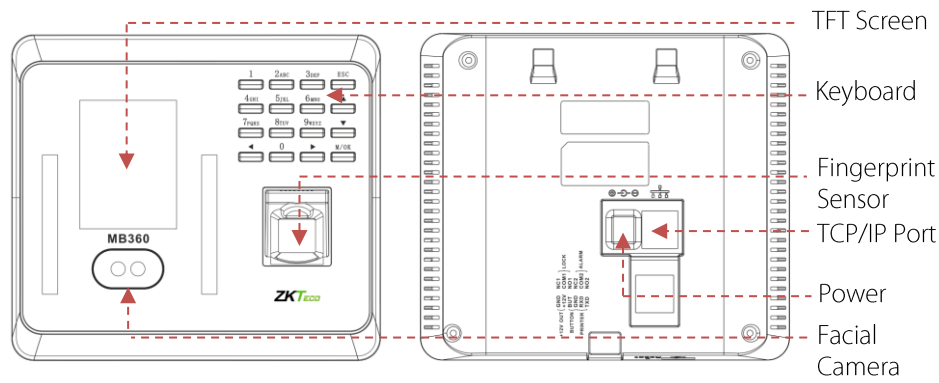
Applicable model: 2.8 inches Color Screen Facial
Recognition Series Products

Device Overview
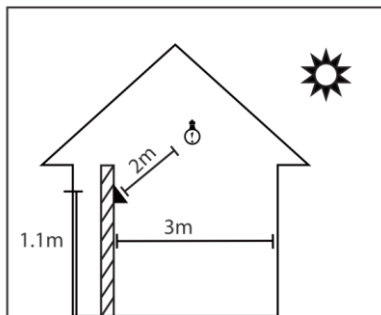

TFT Screen

Keyboard

Fingerprint Sensor

TCP/IP Port

Power

Facial Camera

Access Control Socket

MB160

Facial Camera

TFT Screen

TCP/IP Port

Power

USB

Reset

Keyboard

Acces Control Socket

TFT Screen

Keyboard

Fingerprint Sensor

TCP/IP Port

Power

Facial Camera
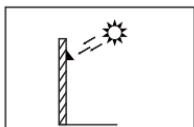
1. Installation environment
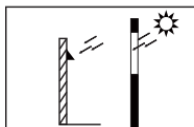
a. Recommended location

Install the device indoors at least 10 feet (3m) away from window, and 6.5 feet (2m) from light source.
It is not recommended to install on the windows or in outdoor.
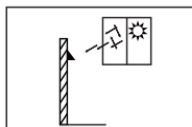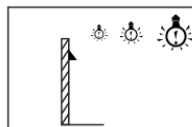
b. Not recommended locations

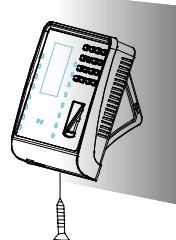

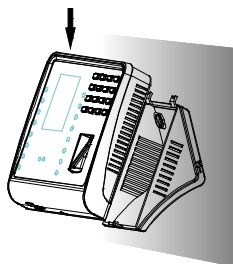Direct Sunlight Outdoor

Direct Sunlight through window

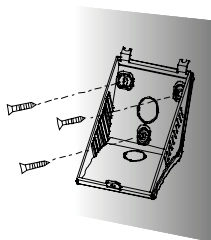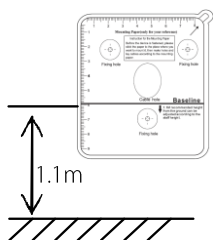Indirect Sunlight through window

Too close to light source

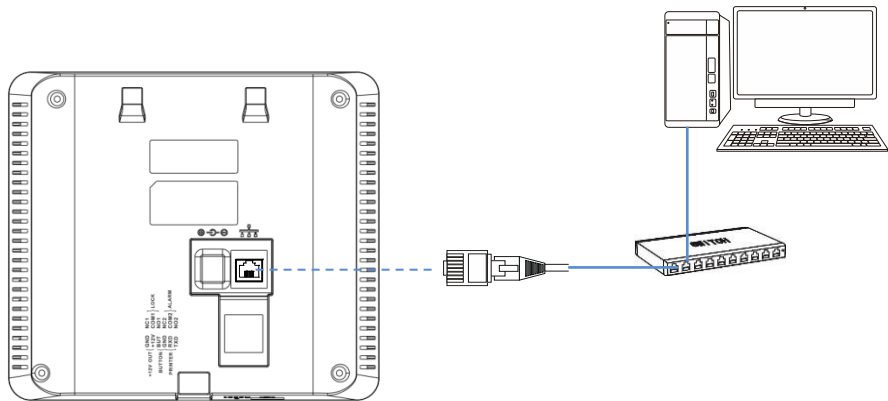## 2. Installation step

1.1m

a. Stick the mounting paper and drill holes accordingly.
   Note: The distance from the baseline to the ground should be 1.1m for a height range of 1.55m-1.85m. And if the distance is 1.2m, then the height should be more than 1.65m.
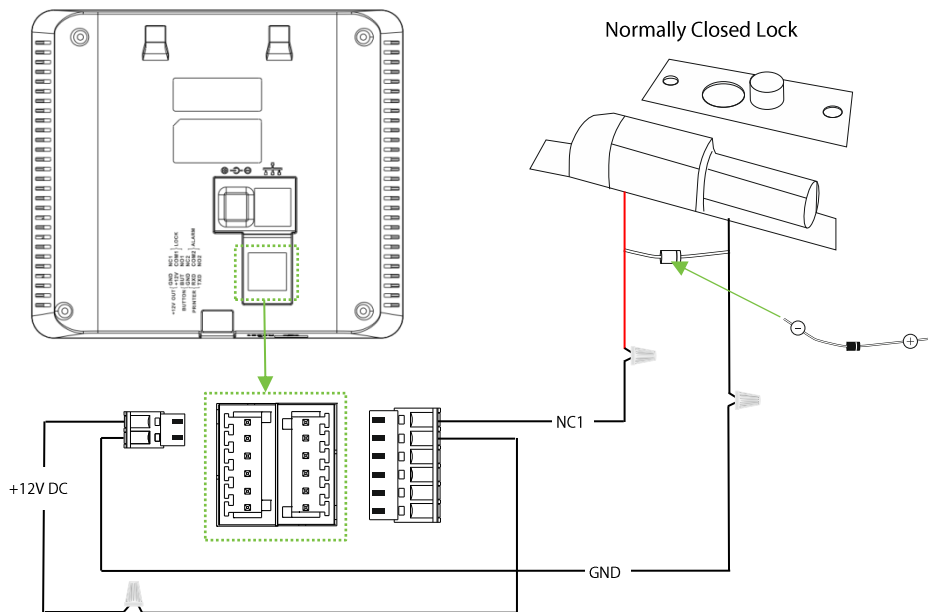b. Fix the plate with the screws on the wall through the drilled holes.
c. Then fix the device into the plate.
d. Lastly, fix the device through screw at the bottom.

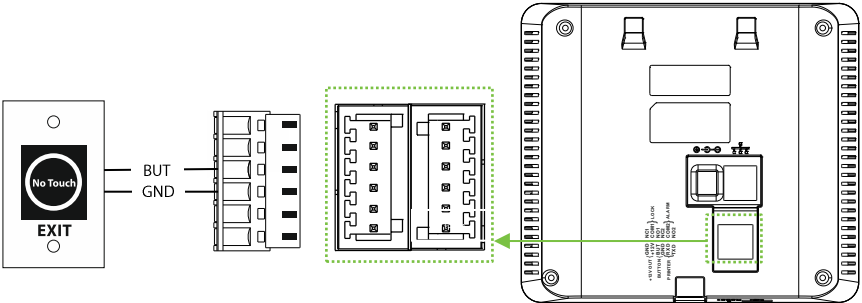# Wiring Diagrams

1. **Ethernet Connection**
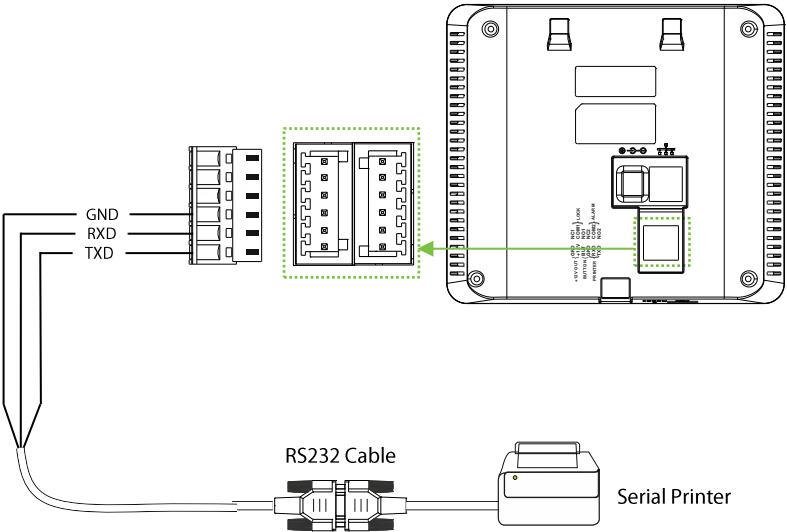

2. **Device sharing power to lock**

Normally Closed Lock

+12V DC

NC1

GND

Wiring Diagrams

3. Exit Button Connection

BUT
GND

4. Printer Connection

GND
RXD
TXD

RS232 Cable

Serial Printer

5. Alarm Connection

➢ External Alarm Normally Opened connection

Alarm

+   -   NO2

+   -   COM2

Alarm powers itself
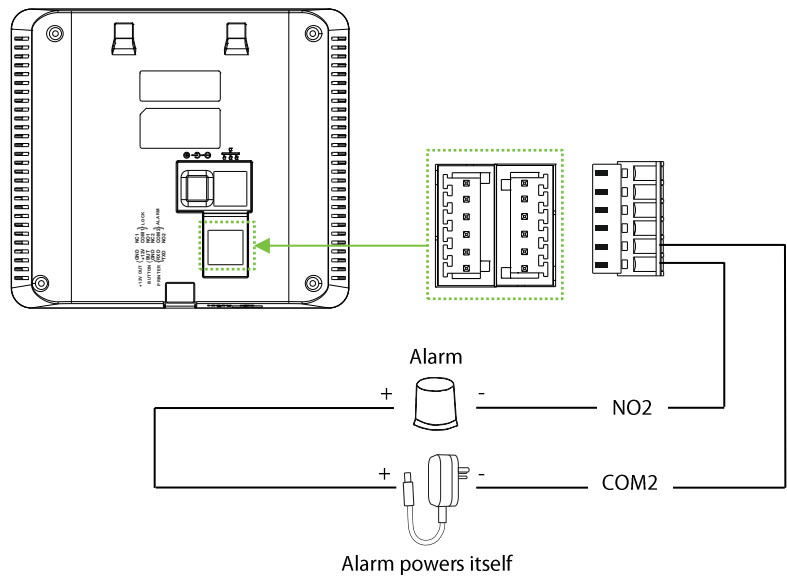
Facial expressions and Gestures

1. Recommended standing positions
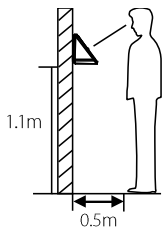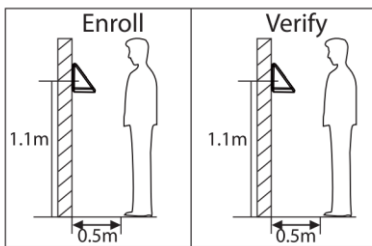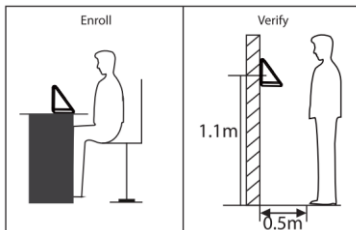

The distance between the user and the device should be 0.5m for a height range of 1.55m-1.85m. It can be adjusted
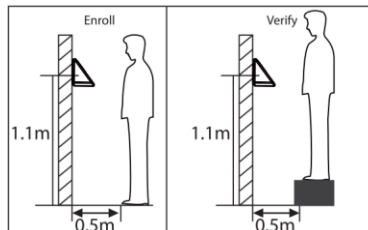

The distance between the user and the device should be same while enrolling and verifying. And also the distance between the device and the ground must be same while enrolling and verifying.
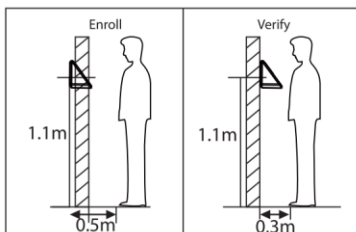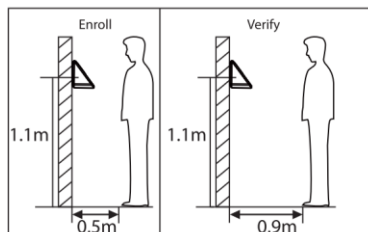
2. Not recommended positions

Non-identical posture

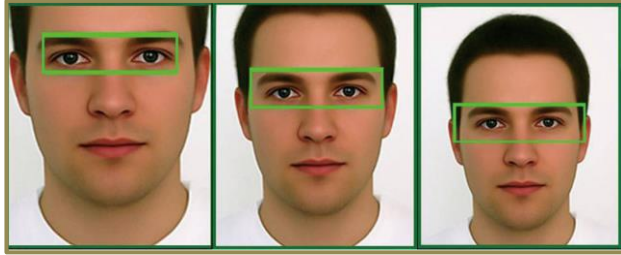Non-identical height

Non-identical distance

Non-identical distance

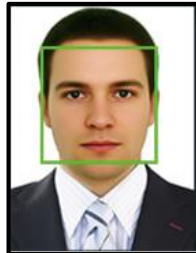**Note:** Please keep natural posture and expression while enrolling and verifying.

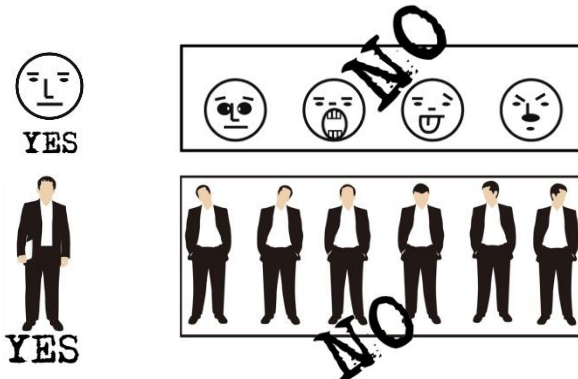3. **Recommended facial expressions**
   - ➢ Please adjust your eyes into the green box by moving forward or backward while enrolling.

   - ➢ Please adjust your face in the green box to make it at the center of the screen.
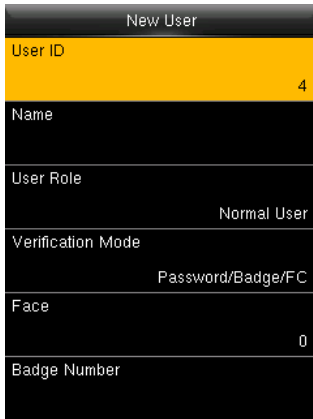

4. **Not recommended facial expressions and gestures**

System interfaces

1. Enrolling New User

Go to Main Menu➔User Mgt➔New User
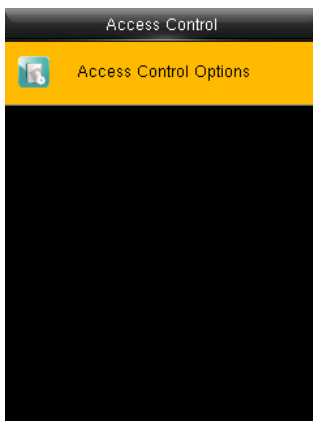
User ID: Enroll user ID; it supports 1-9 digits of numbers.
Use Role: Select the user role between Normal User and Super Admin.
Verification Mode: Select required mode from list.
Fingerprint★: Enroll a fingerprint or fingerprints.
Face: Enroll face according to the prompts of screen and voice.
Badge Number★: Enroll a badge by swiping the badge
Password: Enroll the password; it supports 1-9 digits of numbers.

★ NOT ALL THE DEVICES HAS THIS FEATURE.

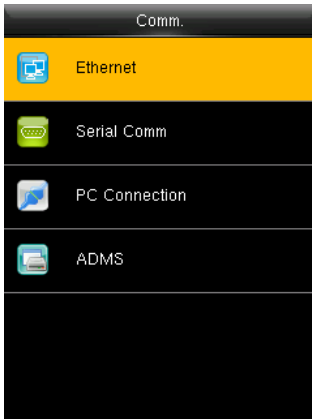## 2. Access Control

Go to Main Menu➔Access Control

Access Control Options: Includes Door Lock Delay.

3.   Comm setting

Go to Main Menu➔Comm.

Ethernet: The device can communicate with PC via the Ethernet parameters.
Serial Comm: The device can communicate with PC via the serial port according to the user defined parameters.
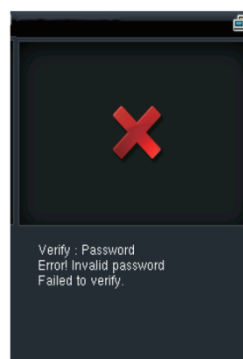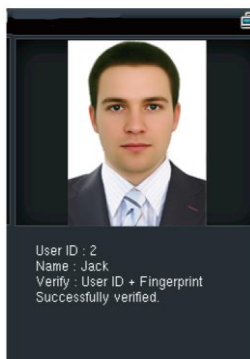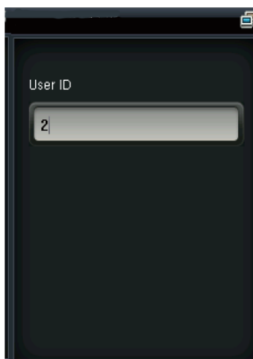**PC Connection:** Set the password and device ID so that you can connect the device with software in PC.
ADMS: Settings used for connecting with ADMS server.

4.   Verification

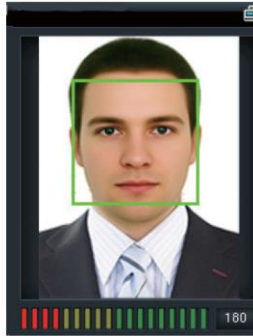➢   **1:1 Fingerprint verification mode ★**
The device compares current fingerprint with the entered user ID.
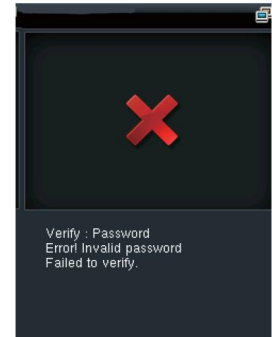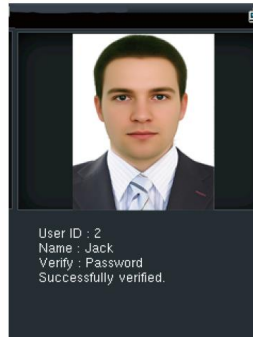Enter User ID and press fingerprint.

★ NOT ALL THE DEVICES HAS THIS FEATURE.

System interfaces

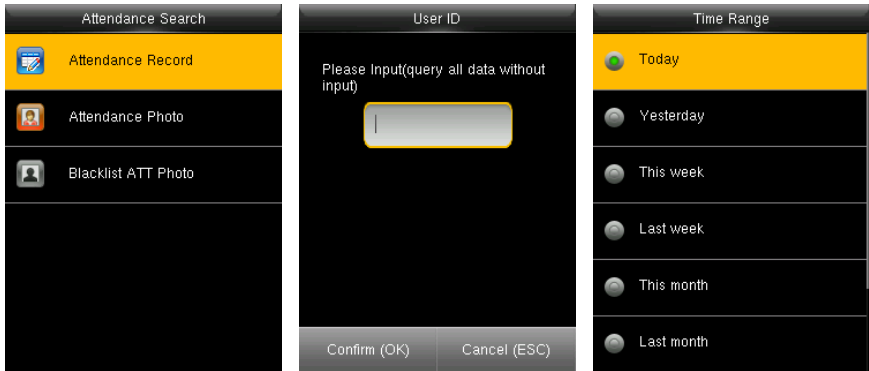➢ **1:1 Face verification mode**

➢ **Password verification**

➢ **Badge verification**

Swipe your registered badge over the fingerprint sensor in standby mode. The device "prompts" "Duplicated Punch" when you swipe badge twice. The device prompts "Ou-Ou" when the badge is unregistered.
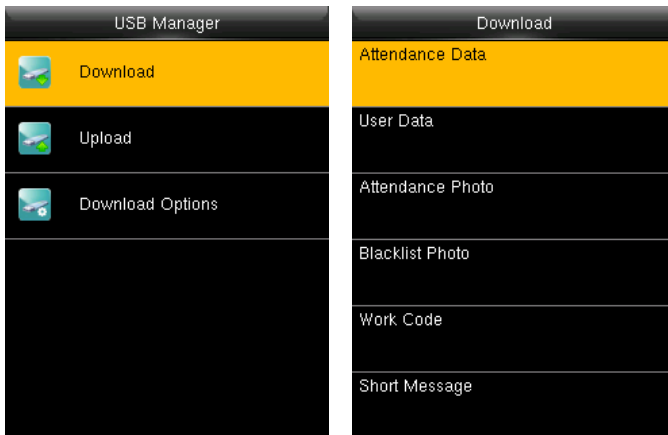
5. **Attendance Record**

    Go to Main Menu➜Attendance search➜Attendance record

    Enter the User ID and then select the time range for which attendance is required.

6. **Attendance record on PC**

    Go to Main Menu➜USB manager➜Download➜Attendance data

    a. Insert the USB disk correctly.
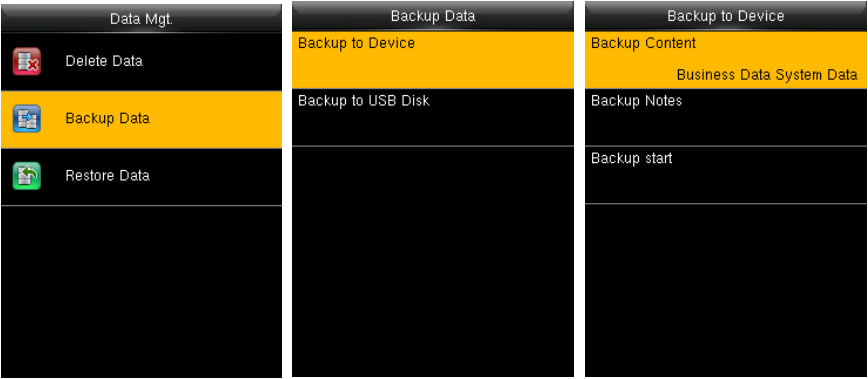   b. Download the attendance data to the disk.

c.   Then upload data from the disk to your computer. The downloaded data file is "Device Serial Number.dat". You can open it to view.
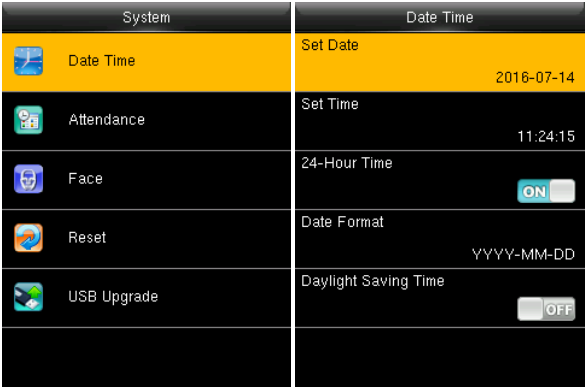
7.   Backup data

To prevent data loss, you can back up the data to local drive or USB disk at any time.

Go to Main Menu➜Data Mgt.➜Backup Data ➜Select the required content

8.   Some miscellaneous settings

Go to Main Menu➜System➜Date time

System interfaces

Go to Main Menu➔System➔Work Code➔New Work Code

Go to Main Menu➔System➔Short Message

9. Troubleshooting

a. The face is not recognized by the device while verification.

Solution:
- ✓ Check out if the expressions or standing postures and distance is same in enrolling and verifying.
- ✓ Check out if the sunlight is direct to the device or if the device is near to the windows.

b. User hasn't worn glasses while enrolling and wear glasses while verifying.

Solution:
- ✓ You can enroll face wearing glasses during the first or second catching face as the device supports 3 times to catch the face templates.

c. The device make a misjudgment while verification.

Solution:
- ✓ There is a certain probability of misjudgment, you can re-enroll the face.

ZKTeco Biometrics India Pvt Ltd.

B-1, Khata No. 31, Devasandra Industrial Estate, Whitefield Main Road,

Beside Phoenix mall, Mahadevapura, Bengaluru-560048, Karnataka, India.

Phone   : 080 6828 1342

Mail   : sales@zkteco.in

Website : www.zkteco.in