HIKVISION

Fingerprint Access Control Terminal

Quick Start Guide
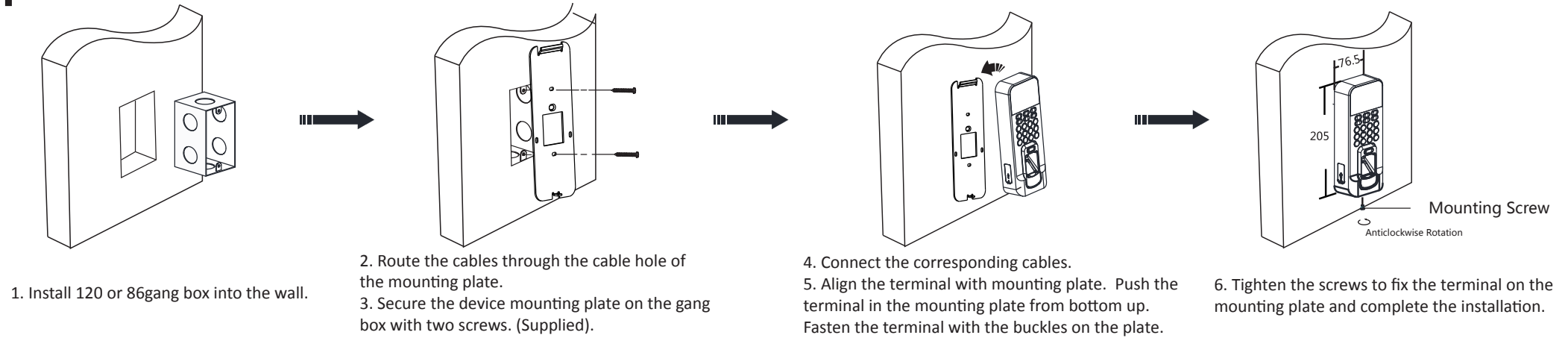
UD17820B

1 Appearance

- 2.4-inch LCD Display Screen Indicator
- Keypad
- Door Bell Button
- Fingerprint Reading Module

- RS-485/Wiegand Wiring Terminal
- Tamper-proof Button
- Ethernet Port
- 12V Power Interface
- Door Lock Wiring Terminal
- Alarm Wiring Terminal
- USB Interface/ Reset Button (Inside of the Cover)

- Exiting Key
- Direction Keys
- OK Key
- Deleting Key
- Numeric Keys/ Letter Keys
- Editing Key
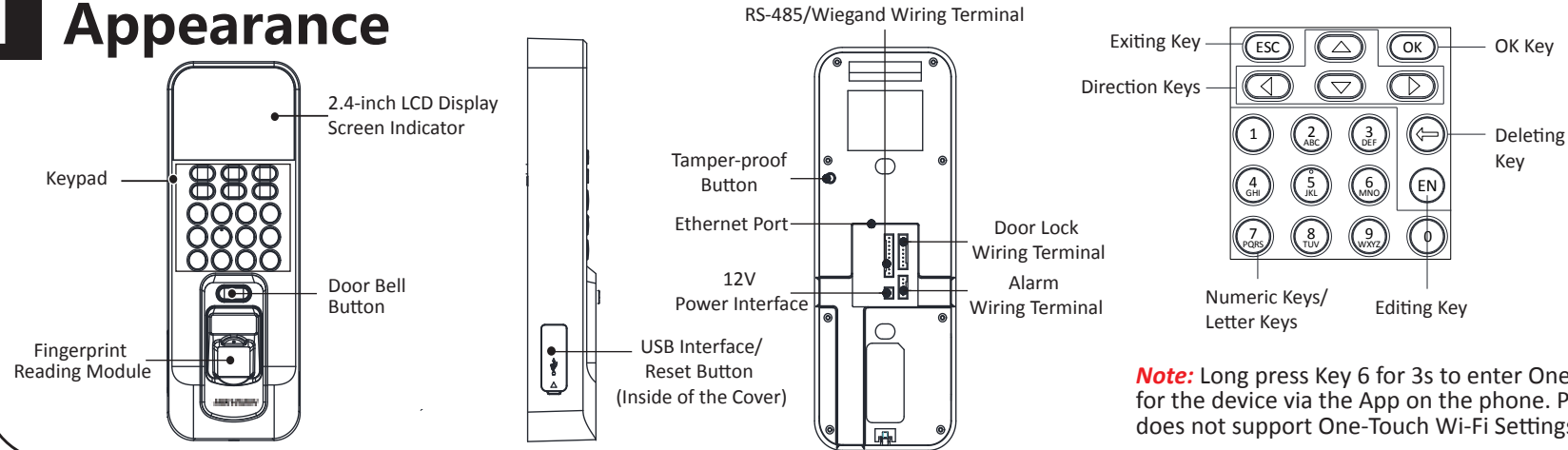
Keypad Descriptions

OK Key: Press to confirm operations. Press and hold the key for 3s to login the main interface.

Deleting Key:
1.Press to delete the letters or numbers one by one;
2.Long-press to clear all contents in the textbox;

Exiting Key: Press the button to exit the menu.

Direction Keys: Use △ , ▽ , ◁ and ▷ to move the cursor.

Numeric Keys/Letter Keys: Input numbers or letters.

Editing Key: Press to enter the editing status. Shift among numbers/lowercases, numbers/uppercases and symbols.

Note: Long press Key 6 for 3s to enter One-Touch Wi-Fi Settings mode. You can set Wi-Fi parameters for the device via the App on the phone. Press Key 6 again to exit the mode. (The model with "-1" does not support One-Touch Wi-Fi Settings mode.)

2 Installation

1. Install 120 or 86gang box into the wall.

2. Route the cables through the cable hole of the mounting plate.
3. Secure the device mounting plate on the gang box with two screws. (Supplied).

4. Connect the corresponding cables.
5. Align the terminal with mounting plate. Push the terminal in the mounting plate from bottom up. Fasten the terminal with the buckles on the plate.

76.5
205
Mounting Screw
Anticlockwise Rotation

6. Tighten the screws to fix the terminal on the mounting plate and complete the installation.

3 Activation

● Activating via Device

Power on and wire the network cable after installation. You should activate the device before the first login. After powering on, the interface will be displayed as follows.
You can create the device password and confirm the password to activate.

The default values of the terminal are as follows:
- The default IP address: 192.0.0.64
- The default port No.: 8000
- The default user name: admin

● Activating via SADP

1. Download SADP Software: Get the SADP software from the supplied disk or the official website. Install and run the software.
2. Activate Device: Check the inactive device from the device list. Create a password in the right side of the interface and confirm the password.
3. Edit Device IP Address: Check the device and manually edit the device IP address, Port No., Subnet Mask, Gateway, etc.

● Activating via Client Software

1. Get the client software from the supplied disk or the official website. Install and run the client software.
2. Click Device Management to enter the Device Management interface.
3. Select an inactive device from the Online Device list. Click Activate to pop up the Activation interface.
4. Create a password and confirm the new password. Click OK to activate the device.
4. Click "Modify Netinfo" to set the device IP address, mask address, gateway address, and port No.
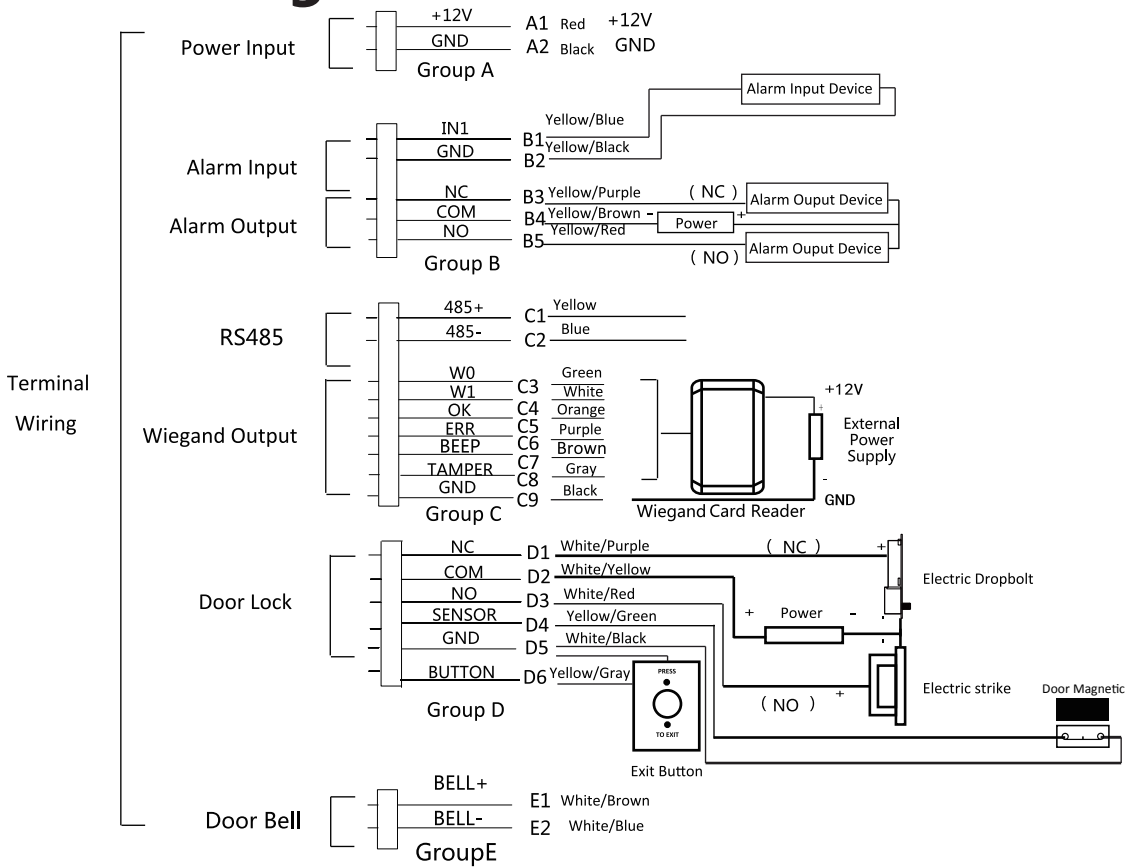
⚠ STRONG PASSWORD RECOMMENDED
We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Online Devices (2)   🔄 Refresh Every 60s

✚ Add to Client   ✚ Add All   ☑ Modify Netinfo   ↩ Reset Password   💡 Activate   Filter

IP	Device Type	Firmware Version	Security	Server Port	Device Serial No.
xx.xx.xx.xx	xxxxxxxxxxxxx	xxxxxxxxxxxxx	Inactivate	8000	XX-XXXXXX
xx.xx.xx.xx	xxxxxxxxxxxxx	xxxxxxxxxxxxx	Activate	8000	XX-XXXXXX

4 Device Wiring ● External Device Wiring Overview (Without Secure Door Control Unit)

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

Alarm Input
IN1 — B1 — Yellow/Blue
GND — B2 — Yellow/Black
→ Alarm Input Device

Alarm Output
Group B
NC — B3 — Yellow/Purple (NC) → Alarm Ouput Device
COM — B4 — Yellow/Brown — Power + →
NO — B5 — Yellow/Red (NO) → Alarm Ouput Device

Terminal Wiring

RS485
485+ — C1 — Yellow
485- — C2 — Blue

Wiegand Output
Group C
W0 — Green
W1 — C3 — White
OK — C4 — Orange
ERR — C5 — Purple
BEEP — C6 — Brown
TAMPER — C7 — Gray
GND — C8 — Black
C9
→ Wiegand Card Reader
External Power Supply +12V / GND

Door Lock
Group D
NC — D1 — White/Purple (NC) → Electric Dropbolt
COM — D2 — White/Yellow
NO — D3 — White/Red — + Power -
SENSOR — D4 — Yellow/Green
GND — D5 — White/Black
BUTTON — D6 — Yellow/Gray (NO) → Electric strike — Door Magnetic
Exit Button PRESS TO EXIT

Door Bell
GroupE
BELL+ — E1 — White/Brown
BELL- — E2 — White/Blue

Note: The external power supply and the access control terminal should use the same GND cable.

● External Device Wiring Overview (With Secure Door Control Unit)

Access Control Terminal — Secure Door Control Unit

RS485
485+ — C1 — Yellow
485- — C2 — Blue
→ Secure Door Control Unit Wiring Terminal

Power Input
+12V — A1 Red — +12V
GND — A2 Black — GND
→ Door Magnetic

Sensor Input
SENSOR — B1 — Green/Brown
GND — B2 — Black

Exit Button
BUTTON — B3 — Green/Black
GND — B4 — Black
→ Exit Button PRESS TO EXIT

Lock Output
NC — C1 — White/Purple (NC) → Electric Dropbolt
COM — C2 — White/Black — + Power -
GND — C3 — White/Red (NO) → Electric Strike

Note: The external power supply and the secure door control terminal should use the same GND cable.

5 Configuration

User Management, Access Control System Configuration and Attendance Configuration are three main parts of the Access Control Terminal.

User Management → → → ACS Configuration / Attendance Configuration
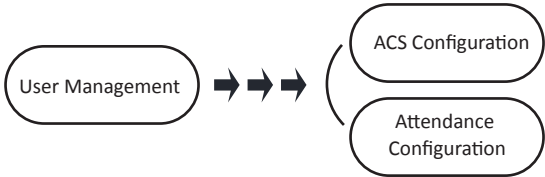
① User Management
Manage User: In the New (New User) interface, enter the new user ID No., the user name, the card No. Register the fingerprint, set the password, select the department, set the user permission, select schedule template, set the authentication mode and set the duress card. Save the parameters to confirm adding.

② Access Control System Configuration
ACS System Configuration:
In the ACS Parameters Setting interface, configure the terminal authentication mode, the sub reader authentication mode, the door magnetic status, the lock action time, the door-open timeout alarm, and the maximum times for authentication.
Holiday Group Configuration:
In New (New Holiday Group) interface, enter a new holiday group name. Select New ACS Holiday and enter the holiday No., the holiday name, the holiday start time and the holiday end time. Save the parameters to confirm adding.
Week Plan Configuration:
In the Week Plan menu, select New (New Week Plan) to configure the week plan parameters, including the No., the name, the week plan time and the corresponding periods. Save the parameters to confirm adding.
Schedule Template Configuration:
In the Schedule Template menu, select New (New Schedule Template) to configure the schedule template parameters, including the template No., the template name, the week plan and the holiday group. Save the parameters to confirm adding.

③ Attendance Configuration
Configure the shift via the device. You are able to schedule shift by department or by individual depending on the user property. The working flows are as follows:
Scheduling Shift by Department: Add User (See Step 1) - Edit Department - Configure Shift - Add Holiday - Configure Shift Schedule (by Department).

Scheduling Shift by Individual: Add User (See Step 1) - Configure Shift - Add Holiday - Configure Shift Schedule (by Individual).

► **Edit Department:** Select a department to edit in the department list. Select "Edit"and edit the department name, shift type and shift name. Save the parameters to confirm editing.

► **Configure Shift**
Normal Shift: In the Normal Shift interface, configure the attendance rule, the normal shift attendance. Save the parameters to confirm setting.
Man-Hour Shift: In the Man-Hour Shift interface, configure the man-hour shift parameters. Save the parameters to confirm setting.

► **Add Holiday**
In the New (New Holiday) interface, enter the holiday No, the holiday name, the holiday start time and the holiday end time. Save the parameters to confirm adding.

► **Configure Shift Schedule**
Schedule Shift by Department: Select a department to configure in the By Dept. (Schedule by Department) interface. Configure the shift, the start date, the end date and the holiday. Save the parameters to confirm configuration.
Schedule Shift by Individual: Select New Individual Shift in the By Indiv. (Schedule by Individual) interface. Select a person to schedule in the New Individual Shift interface. Configure the shift, the schedule start date and the end date. Save the parameters to confirm editing.

► **Attendance Report**
Plug the USB disk in the device. In Report interface of Attendance interface, select a table type to export. Press the OK key to export the attendance report to the USB disk.

The device will automatically check the USB disk memory. If there is no enough space for exporting, a prompt will be displayed. You are able to configure the record over threshold prompt and record delete function in the System interface.

Record over Threshold Pop up Prompt (%): If the attendance record memory reaches the configured value, the system will pop up a prompt to remind you. If configure the threshold to 99%, the system will pop up a prompt to remind you to delete the attendance data when the capacity reaches the threshold. The available value: 1 to 99.

Record Delete: When the function is enabled, the terminal will delete the first 3000 attendance records when the memory is full, in order to save the new attendance records. By default, the function is enabled. See Section 5.2 Attendance Record Delete Rule in the User Manual of Fingerprint Time Attendance Terminal.

► **View License:**
You can view the device License via the website: *http://opensource.hikvision.com/Home/List?id=46*