HAND TERMINAL-MF

HAND TERMINAL-MF

USER GUIDE

Contents

Parameter:

CPU	STM32 72MHZ
Memory	RAM:20K
	FLASH:128K
Screen	Type: FSTN, 32-scale gray
	Resolution: 320*240 pixel
	Background light: white light LED
RFID module	High frequency mode:13.56MHz
Input method	Keypads:27 keys
Alarm	Buzzer
Clock	Clock format: YYYY-MM-DD-HH-mm-ss
Safety module	PSAM interface for data encryption and backup
Electrical	Rechargeable Li-ion battery 3400mAh, DC4.2V
Outlook	Dimension:185mm*70mm*35mm
	Net weight:350g
Working environment	Temperature:-5℃-50℃
	Humidity:30%-85%RH
	Protection: IP54
	Shock resistance:150cm to concrete surface.

1. LED Indicator
2. LCD screen
3. Confirm button
4. Cancel button
5. Control buttons
6. Power button
7. USB ports
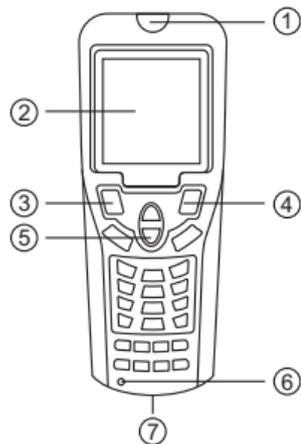
8. RF induction zone
9. Li-on battery slot

MINI USB
Connector

USB Connector

front view
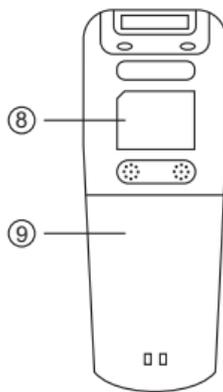
back view
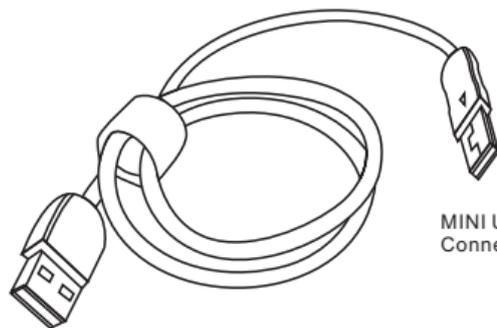
MINI USB connector is connected to hand terminal side.
USB Connector is connected to computer side.

Notice:
Data line is used for battery charging and data transmission.

Hand terminal is powered on by pressing the power button for 3 seconds.

The following screen will appear.

```
                9:32    🔋

           Welcome
        MF1 Hand Terminal



           YYYY-MM-DD
            9:32:16
           Version *.*
```
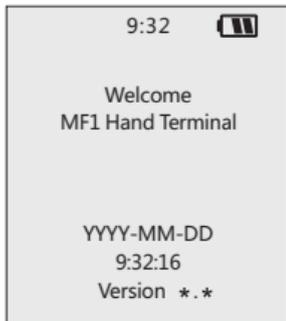
Press "OK" button again, hand terminal will ask for entering password.

Default password: 123456

If device password is lost, user must connect it to software and change password.

```
Password: ******

Enter Password...
```

Enter the password and press "OK" button.

If the password is incorrect warning screen asks for a password again. If the password is correct, the following main menu appears. In this menu, user access to all functions.

```
                9:32    🔋
          Hand Terminal
     1. PC LINK
     2. Clock Card
     3. Install Card
     4. Open Record
     5. Set Password
     6. Set Datetime
     7. Stop Lock
     8. Check Out Card
     9. Power Off
```
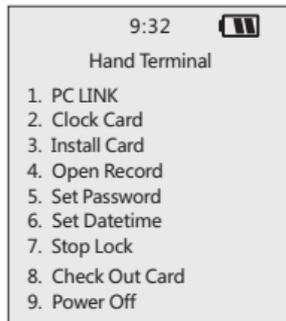
PC LINK

Hotel configuration and some other basic info must be loaded to the hand terminal before first time running.

Select "PC LINK" from main menu or press 1, the following menu appears.

While terminal is on this function all data can be transmitted between lock software and the hand terminal.
1) Hotel configuration and some basic info are loaded into terminal.
2) Terminal info is loaded into the software.

Connect the hand terminal to the computer with data line. And then enter lock software→ [Card Management] → [Special card]→ [Hand terminal] interface, and press "initialize Hand terminal" and "Export Room info" button" to load hotel info into the terminal.

```
            PC — LINK




-C- to return
```
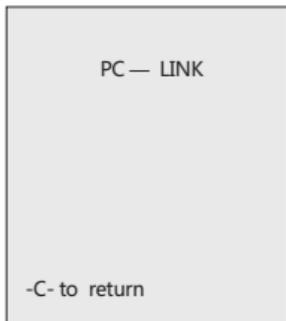
Clock Card

Please select ''clock card'' from main menu or press 2.
The following screen will appear.

```
                              🔋
         SET  clock card
            YYYY-MM-DD
               9:32:16


    -OK- to set
    -C- to return
```
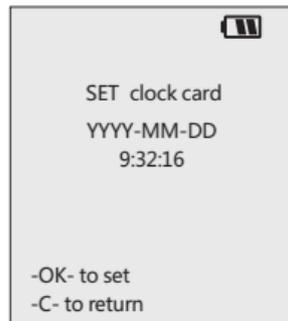
Please press "OK", hand terminal will give a "Bi" sound, means it's turned to clock card mode..

Read Authorized Card firstly to the lock and then the hand terminal, can correct the time of lock.

```
                              🔋
         SET  clock card
Set Time OK
            YYYY-MM-DD
               9:32:16


    -OK- to set
    -C- to return
```
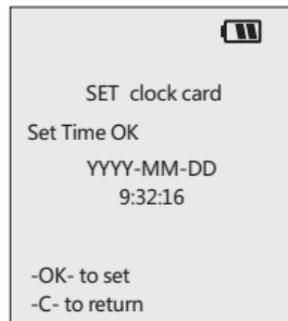
Install Card

Please select "install card" from main menu or press 3 .

The following screen will appear.

"Room & Time" means to set room information and correct time to the lock at one time. So is Public room & Time.

Please enter the required information.

```
        Set LV3-ROOM

    ROOM
    ROOM & TIME
    PUBLIC ROOM
    PUBLIC ROOM & TIME



    Press ∧∨ to choose
    Press ok to enter
```

If enter message is correct, all information of the room will be appeared on the screen.

```
           ROOM INFO
    ID: 0001
    Name: 01101
    Area: 001
    Building: 001
    Floor: 001
    Room: 001
    Suite: 000

    Press ∧∨ to choose
    Press ok to set
    Press C to return
```

Please input the name of the room number or ID number then press "OK" to search room information.

```
    9:32          🔋

        ROOM CARD

    NAME:
    ID:
    Amount:


    Press ∧∨ to choose
    Press ok to check
    Press C to return
```

Please press OK. The following screen will appear.

While on this menu please read hand terminal to the lock to complete programming procedure.

```
    Set Room OK

    Info data OK
```

Record

Please select "record" from main menu or press 4.

The following screen will appear.

```
Record Menu

Download record

Check record

Press ∧∨ to choose
Press ok to enter
```
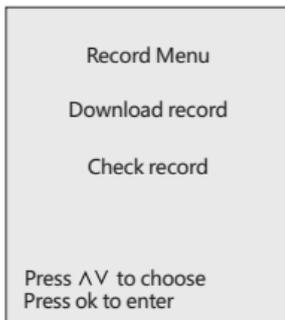
Select "Download record", 4 different record modes will be shown.

Read 1000 by card only for Hotel lock.

Read 200 by card for Hotel lock and Office lock.

Read Lock Info for Hotel lock.

Read by IR (This function is not activated).

```
Record Mode

Read 1000 by Card
Read 200 by Card
Read by IR
Read Lock Info

Press ∧∨ to choose
Press ok to enter
```
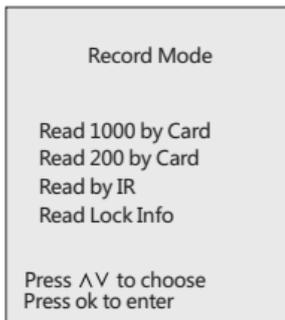
Select "Read 1000 by card" and choose the record station, the following screen will appear.

While on this screen, read data card to the lock first, when blue light gets on, read the hand terminal immediately to the lock. When hearing a "Bi" sounds from terminal and the red and blue light flicker alternately from the lock, data is transferring from lock to terminal. Wait till a "Bi" sounded and the blue light stays on, press OK to save Data Part 1.

When the red light of hand terminal flickers, it's saving data to the terminal memory.

```
Record location: 001
Wait For read...

Press ok to read
Press C to return
```

Wait till hearing a another "Bi" sound from hand terminal and the screen showing "Read part 1 OK", which means Data Part 1 has been transferred to hand terminal successfully. Read the hand terminal to the lock again, continue the same operation to retrieve the Data Part 2 and Part 3.

```
Record location: 001
Wait For read...

Read Part 1 ok

Press ok to read
Press C to return
```
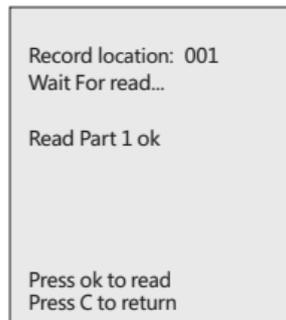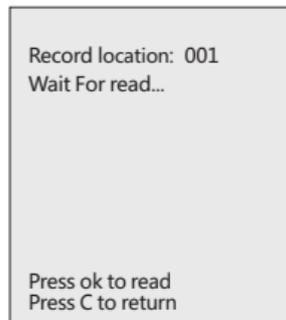
Record retrieve completes when this screen appears.

Read 200 records and lock info is the same steps as read 1000 records.

```
Record location: 001


Read Part 1 ok
Read Part 2 ok


       1000 Records
      Read Completely

Press ok to read
Press C to return
```

Set Password

Please select "set password" from main menu or press 5.

The following screen will appear.

The old password can be seen on the screen. Input a new 6-digit number can change the password.

```
        Set  Password

Password: 123456
New Password:




Enter 6-digit PW
OK                      Cancel
```

Select "Check record", to check brief data from the lock.

It returns to main menu by pressing "C" button.

To transfer all data into PC, select "PC Link" on terminal.

Hardware version: "H:10 11"
Software version: "S:00 03"

```
Record location: 001
        1000 Records
Area: 1
Building: 1
Floor: 1
Room: 1

    H:10 11  S:00 03
      YYYY-MM-DD
       9:32:16
```

Set Date & Time

Please select "set date&time" from main menu or press 6.
The following screen will appear.

User can update the time without connecting to the computer.

```
     SET DATE & TIME


      YYYY-MM-DD
       09:32:00


Press ∧∨ <> adjust
OK                      Cancel
```

Stop Lock

Select "Stop lock" option from main menu or press 7.

This function is used to stop lock's unlocking function temporarily in case of accident. Read Authorized card to the lock, and then the hand terminal, all cards will be out of use except the Emergency card and Master card.

Repeat the above operations can cancel the stop function.

```
9:32      🔋
Stop Lock




Press ok to set
Press C to return
```

Check Out Card

Select "Check out Card" option from main menu or press 8.

This function is used for check out. Read authorized card or others access cards to the lock, and then the hand terminal, guest cards will be out of use.

```
9:32      🔋
Check Out Card


Only apply to LV4


Press ok to set
Press C to return
```
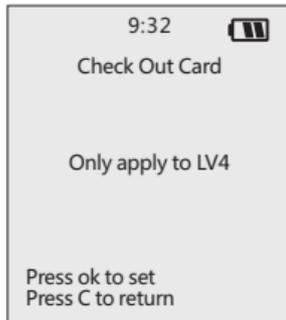
Power Off

Press power button or select "power off" on main menu to turn off the hand terminal.

Additional Function

Long press F8 + Power button, additional function page will be shown.

User can use additional function according to their required.

```
Please select

1. Update app
2. Save and run
3. Run user app
4. System info
5. Keypad test
6. Language
7. Special Fun
8. Power off
```
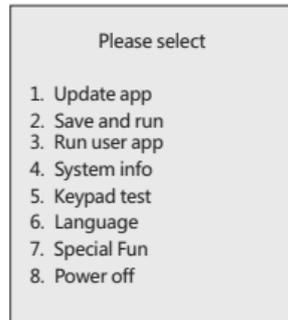
Trouble Shooting

1. No power on terminal unit.
Possibly battery runs out. Connect terminal unit into PC by USB port.

2. User password is not accepted or forgotten.
Make reconfiguration of terminal unit by connecting into PC by USB port.

Warning

- Do not put too much pressure on the LCD screen or subject it to strong impact, otherwise it will break.

- Press the buttons with fingers or blunt objects only. Pointed object will damage the surface of the keypad and cause a short circuit inside the terminal.

- Do not take out the battery when the power is on, which may cause data loss in the memory.

- Do not place the terminal facedown, which may cause abnormal operation of the keypad.

- Use a soft and dry lens cloth to clean the terminal.