

## LED PDA Instruction

### Introduction:

HandSim PDA is an intelligent management instrument for hotel locks that we strongly recommend, which will help you improve your hotel management.



### Features:

- Easy to install lock information;
- Support RF57 card(125kHz) and RF50 card(13.56MHz);
- Read Lock Information function, convenient for system diagnosis and inspection;
- Convenient and accurate time correction function;
- Easy to output Unlocking Records;
- Convenient Check-out operation, improving your hotel management system;
- Use advanced microwave communication technology to realize data exchange between PDA and lock;
- Humanity operation interface, various functions and easy operation make your hotel management more efficient;
- Management system supports multi- encoders through net.

### Applications:

1. Hotel door lock system;
2. School door lock system;
3. Office door lock system.

## Content

Chapter one Outline-----	2
1. Introduction-----	4
2. Characteristics-----	5
3. Technology reference-----	5
Chapter two Operation Instruction-----	6
1. Keyboard explanation-----	3
2. on & off-----	4
3. Main Menu-----	4
4. System setting-----	4
4.1 System clock setting-----	4
4.2 Choose lock type-----	4
5. Read Lock Info.-----	9
6. Lock Maintenance-----	10
6.1 Guest room installation-----	11
6.2 Clock Correction-----	13
6.3 Check-out operation-----	17
6.4 Output Unlocking Records-----	14
7. Read card-----	15
7.1 Read card information-----	16

## Chapter one Outline

### 1. Introduction

With the advanced 32-bit low power microprocessor, Handsim PDA improves the system's stability. Its main function includes: Read Lock Information, Correct Lock Time, One-stop Room Installation, View Unlocking Records and Checkout operation etc.

**One-stop Room Installation:** usually you have to make thousands of Installation Cards to install hotel locks. One card for one lock makes lock installation more complex and inconvenient. Handsim can download all the rooms' information at one time from hotel management software. In the process of lock installation, you just need to swipe the PDA to install lock information.

**Synchronous Time Correction:** in the past, because there is no actual clock in the card, it always brings the trouble that it corrects time inaccurately when making Time Card. However, with the help of PDA, you will get rid of this trouble.

**View Unlocking Records:** with the help of functional, cost-effective Handsim PDA, you will no longer need to buy another infrared PDA to output unlocking records.

The introduction of this PDA is not only for the convenience of lock installation, but also for the convenience of maintenance, which will reduce the maintenance cost for hotel management.

### 2. Characteristics

Concentration leads to profession! Characteristics of Handsim PDA are as follows:

- One-stop Room Installation makes your room installation no longer complex, because there is no need for Installation Card.
- Quick and accurate time correction function, which helps you get rid of the trouble of correcting time inaccurately.
- Unique Read Lock Information function, convenient for diagnosis and maintenance.
- Convenience for viewing all the cards' information. (only support Mifare card locks)
- Support of making Guest Card. (for the emergency, only support Mifare card locks)
- Output Unlocking Records easily, manage guestroom clearly.
- Quick and convenient checkout operation.
- Support locks firmware upgrade, and change locks function without removing the lock and circuit board.
- Mature function, simple operation.

### 3. Technology reference

Usage voltage	3.0V, (2 AA batteries)
Static current	<10uA
Dynamic current	<100mA
Card technology	T5557 card, M1 card
Dimension of product	177.6L*85W*30H(mm)
Environment	Working temperature: 0~70°C Storage temperature: -25~125°C Humidity: 5%~95%RH

## Chapter two Operation Instruction

### 1. Keyboard explanation



**NOTE:** different types of locks share different data sensing area.

## 2. on & off

Turn on the PDA by pressing the power button when it is off.

Turn off the PDA by pressing the power button when it is on. If you do not use the PDA for 1 minute, it will turn off automatically.

## 3. Main Menu



Detailed descriptions are as follows.

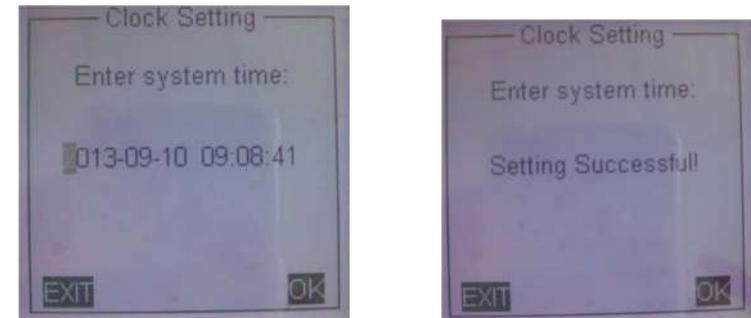
## 4. System setting

Handsim Setting comes first before you use the PDA. This menu is used to set System Clock and Lock Type. Click “Handsim Setting” in the menu, and you will enter the following interface:



### 4.1 System clock setting

Click “System Clock”, and you will enter the following interface which is used to set the time of the PDA.



Please input correct time with the help of these keys, then press “OK” to finish time setting. There will be a prompt in the PDA the “Setting Successful”.

Besides, when downloading room information to the PDA from lock management software, The PDA will set time automatically.

### 4.2 Choose lock type

Click “Lock Type”, and there will be a following interface:



This PDA supports RF57 card (T5557 card), RF50 card (Mifare card). Please select the required type with up and down arrow keys, and then press “OK” button.

### 5. Read Lock Info.

Read Lock Info. is mainly used to view the basic information inside the lock, which includes buildings, floors, room numbers, terminal time, lock time, double locked, low voltage, etc.

Specific steps are as follows:

Step 1: Choose “Read Lock Info” in the menu, and then press “OK” button to enter the following interface:

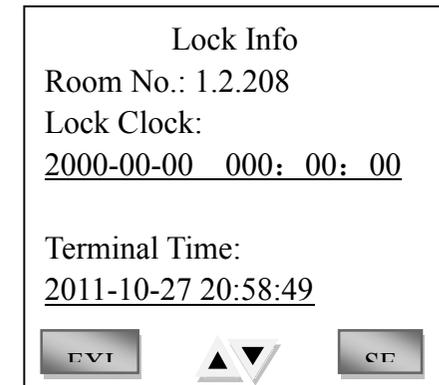


Please operate according to the instructions in the PDA, just as below. Special attention should be paid that location of PDA's data sensing area varies from different types of locks



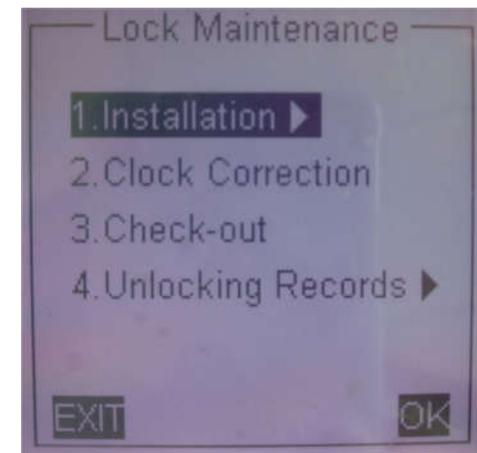
Step 2: When PDA closes to the lock, there will be a sound of “di” which

indicates that it is sending data. When the sending is over, there will be a sound of “di-di” (one short another long) on the lock. Meanwhile, you will see the latest lock information on the LCD. If there is a sound of “di” for 4 times, which means that your operation is failed.



You can view more information by pressing up and down arrow keys.

### 6.Lock Maintenance



### 6.1 Guest room installation

The function of guest room installation helps you get rid of the trouble of making thousands of Installation Cards, which improves the efficiency and accuracy, and saves time.

Specific steps are as follows:

(1) Download guest room installation information to the PDA

eLock management software, DLock management software and SLock management software are available for PDA downloading.

● **Use DLock management software to download**

Step 1: Choose “PC Synchronization” in the menu, and then press “OK” button the enter the following interface”

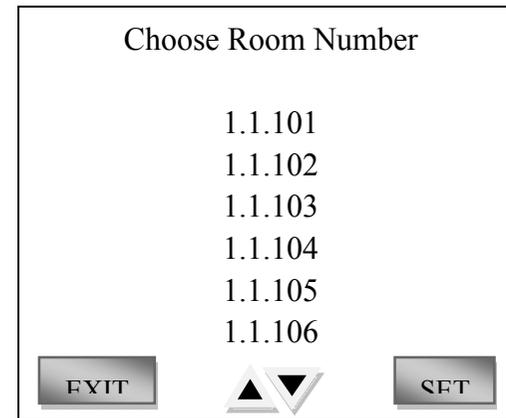


Step 2: connect USB as it reminds, and a few seconds later, the PDA will remind that “Connect to PC successful!”

Step 3: click “Handsim Setting” →”guest room number setting” in the DLock to get into guest room setting interface.

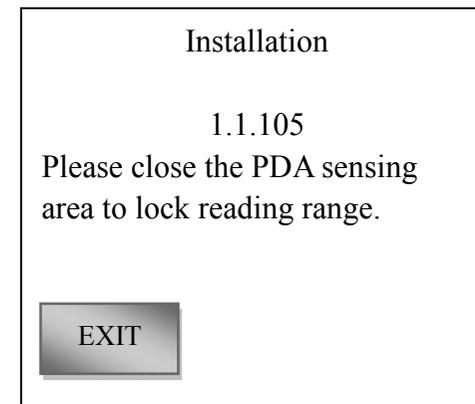
Step 4: click “Download to PDA” button, a few seconds later, DLock will remind you that “operation success” which indicates that you have finished downloading.

(2) choose “Installation” in the PDA to enter the following interface:



**NOTE:** if it is a Mifare lock, it will automatically tick “√” when it has been installed.

(3).use “up” and “down” buttons to move, “left” and “right” buttons to turn pages. Choose the room numbers that you need to set, and click “OK” button, there will be an interface as follows:



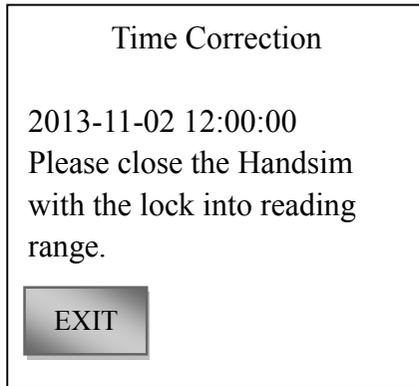
(4)please operate according to the instructions on the PDA. When there is a sound of “di-di”, it means the lock information installation success.

### 6.2 Clock Correction

If you correct time with card, the clock in card will not go. Therefore, the correction sometimes will play a counter. However, the clock in PDA will keep synchronization with that in computer, and make the correction more convenient and accurate.

Specific steps are as follows:

Step 1: choose “Clock Correction” in the menu, and you will enter the following interface:



Step 2: please operate according to the instructions on the LCD. When you operate successfully, there will be a sound of “di-di” (one short another long). If the lock is RF50, there will be a prompt of “correction success” on the LCD, while RF57 lock will not.

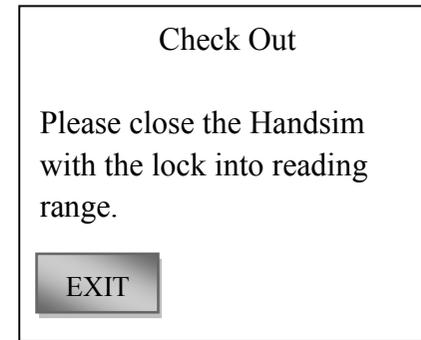
**NOTE:** before your time correction, please make sure that the time in PDA is right. Otherwise, you can set time in the menu of system setting.

### 6.3 Check-out operation

Check-out by PDA is the same with check-out by swiping card on the lock, which is to make the guest card invalid.

Specific steps are as follows:

Step 1: choose “check-out operation” menu, and then press “OK” button to enter check-out interface:



Step 2: please operate according to the instructions on the LCD. When there is a sound of “di-di” (one short another long), it means that your operation is success. If the lock is RF50, there will be a prompt of “check-out success” on the LCD, while RF57 lock will not.

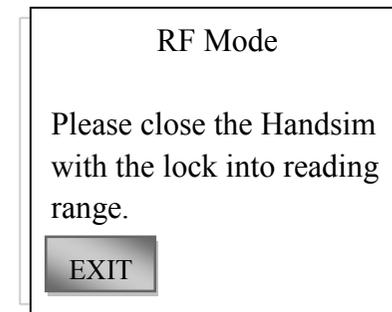
### 6.4 Output Unlocking Records

The PDA can output 2016 records at most, while the specific number depends on how many records the lock supports. PDA just outputs the unlocking records from the lock. If you want to view the records, you will need the lock management software.

Specific steps are as follows:

#### a).PDA outputs unlocking records

Step 1: choose “Unlocking Records” → “Reading via RF” menu, and you will enter the following interface, and the red light will flash at the same time.



Step 2: please operate according to the instructions on the LCD. When you put the PDA close to the lock, there will be a sound of “di” on the lock, and then the green light starts to flash, which means that it is sending data. The PDA reads that “Reading data”, during which do not take away the PDA.

Step 3: after the reading success, there will be a sound of “di-di” (one short another long), and the LCD will prompt that “data output success”. If there is a sound of “di” for four times, it means that the output fails, and the LCD will prompt that “data output failed”.

**b).View unlocking records with DLock**

Step 1: Choose “PC Synchronization” in the menu, and then press “OK” button the enter the following interface”

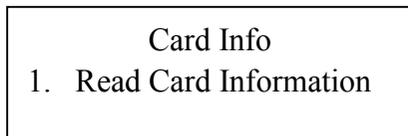


Step 2: connect USB as it reminds, and a few seconds later, the PDA will remind that “Connect to PC successful!”

Step 3: click “Read Info.” → “Unlocking Records” in the menu, and then click “Read” button in the interface.

**7.Read card**

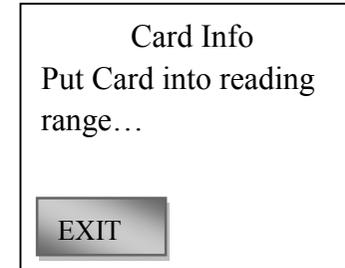
It only reads RF50 card (Mifare card) to check card information.



**7.1 Read card information**

Specific steps are as follows:

Step 1: choose “Read Card” menu, and you will get into the following interface, and the red light keeps flashing at the same time.



Step 2: please swipe the card according to the instruction, and you will see the card information just as shown below:

