L1110-10U
User Manual

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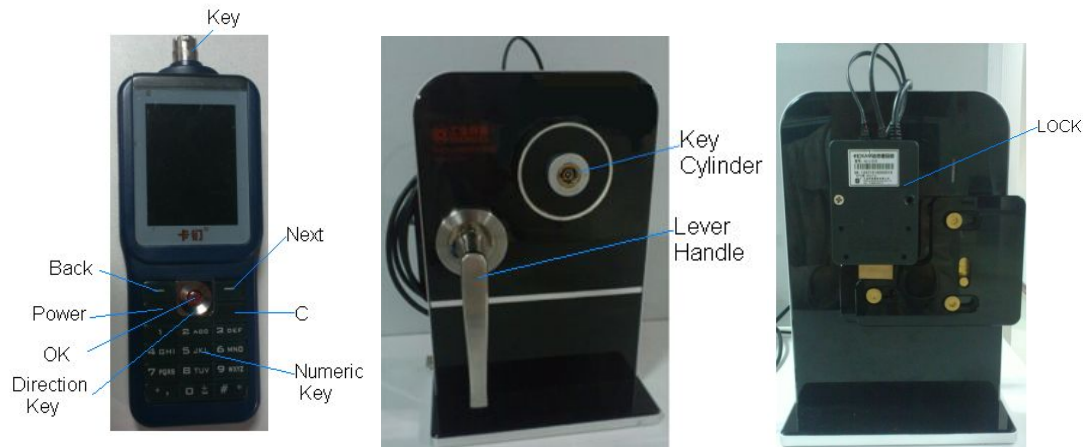
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1. Instruction

The L1110-10U contains 2 parts, PDA(Personal Digital Assistant) and LOCK. Only you can operate the LOCK just by using the PDA and a correct password.

The components of PDA and LOCK, please refer to the figures below, it may be helpful to you to operate the L1110-10U.

2. Power Supply

There's two possible ways for PDA's power supply:1.use the battery; 2.use the Power Adapter. Of course, it's OK to use the battery and power adapter at the same time, the battery in the PDA will be charged in this way.

2.1 Install the battery

Step 1. Lift up the 2 screws by using a screwdriver(*Figure 2.1-1*);

Step 2. Insert the tip of your finger or a thin object firmly into the opening on the bottom side of the PDA, between the PDA and the battery cover. Then lift up the cover slowly but firmly(*Figure 2.1-1*).

Step 3. Align the metal contact of the battery with the metal contact of the PDA cabinet(*Figure 2.1-2*);

Step 4. Press the battery towards the PDA and press down until it is buckled(*Figure 2.1-3*).

| Figure 2.1-1 | Figure 2.1-2 | Figure 2.1-3 |

2.2 Remove the battery

Step 1. Lift up the battery cover(please refer to the *Install the battery step 1,2 above*).(*Figure 2.1-1*)

Step 2. Lift up the battery slowly(*Figure 2.1-3*).

2.3 Power Adapter

Connect the PDA to a power outlet by using the cable of a power adapter(*Figure 2.3*).

Figure 2.3

2. 4 Power On

Short press the **Power** key, and wait for seconds. Once done you should now seeing the **Desktop** Screen(*Figure 2.4*). And then, you can press any function key(except the **Power** key) to open the **Main** menu of the system.

2. 5 Power Off

Long press the **Power** key for seconds until the screen shutoff(*Figure 2.5*).

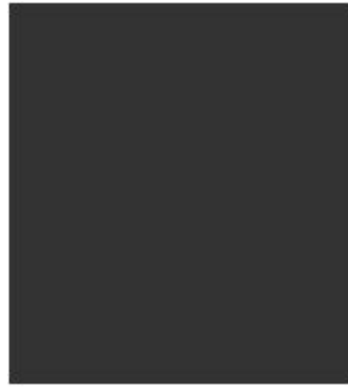

Figure 2.4   Figure 2.5

2. 6 LOCK's Power Supply

Particularly, the LOCK's power depends on the PDA(its power is supplied by PDA). The LOCK only can active(such as open/close lock operation) while it connecting with the PDA.
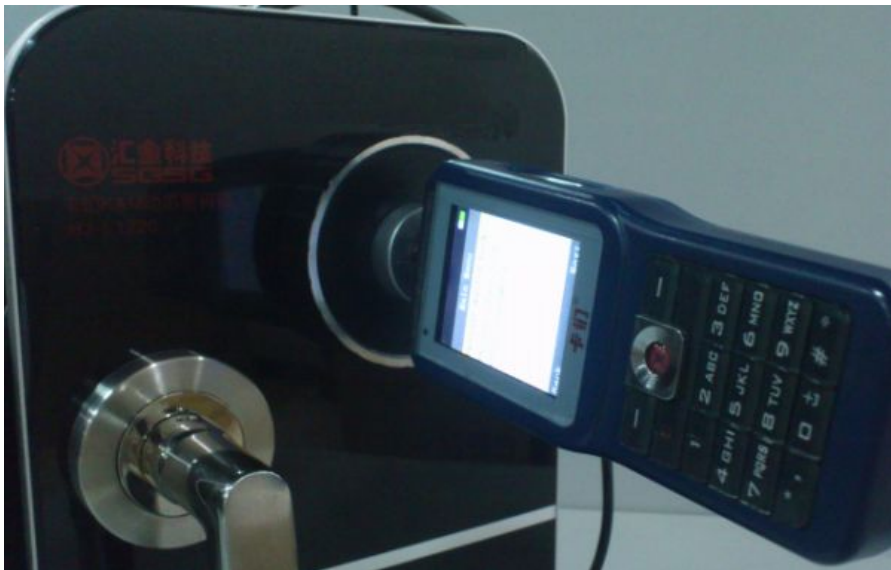

Figure 2.6

3. Main Lock Operation

Please press any function key(except **Power** key) to open the **Main** menu after the PDA power on(*Figure 3.0-1*). And then use the **Direction key** to select the **Operate master Lock** item and press the **Next** key to entry the **password** screen(*Figure 3.0-2*).
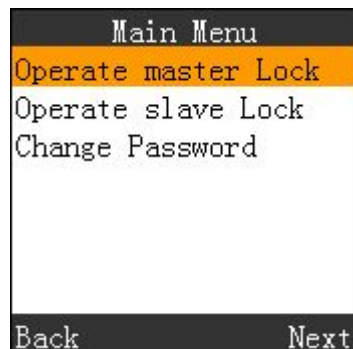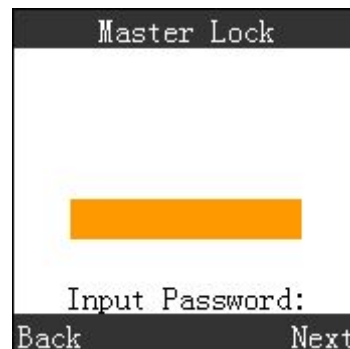
<div style="text-align:center">Figure 3.0-1   Figure 3.0-2</div>

3.1 Password Verification

1.Input the password(fixed to 8 digits) to the text box (*Figure 3.1-1*).

Notice:

1)This moment, please do not press any key on the PDA before connecting to the LOCK when you have inputted the password , or the password verification will get a timeout error;

2)Of course, you can do the step 2,3 first, then step 1, and then step 4.

2.Align the key of the PDA (please refer to the figure in chapter 1 *Instruction*) with the keyway on the key cylinder of the LOCK.(*Figure 3.1-2*)

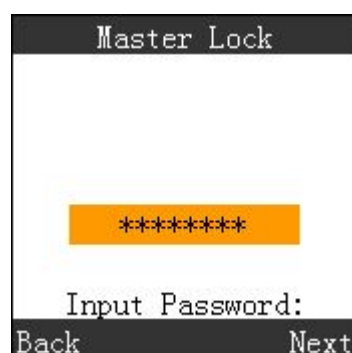3.Push the key straightly to the deep of the key cylinder.(*Figure 3.1-2*)

<div style="text-align:center">Figure 3.1-1   Figure 3.1-2</div>

4.Press the **Next** key, and verify the password.

Notice:

Please do not remove the PDA away from the LOCK before the PDA screen displaying any message, or the PDA will not communicate with the LOCK.

1)If you entry the next menu(open/close lock menu), it means that the password is verified OK, and then you can do next operation.(*Figure 3.1-3*)

Figure 3.1-3

2)If you get an *Invalid Password* or *Password incorrect* message, you should try to input a correct password to the text box, and try to verify it again.(*Figure 3.1-4,Figure 3.1-5*)

Figure 3.1-4   Figure 3.1-5

3)If you get an *Operation timeout* message, it means that the password is verified fail. This moment, you need to press **back** key to return to the **Desk** screen, and retry.(*Figure 3.1-6*)

Notice:

If you get *password incorrect* message 3 times, the LOCK will be Frozen for 300 seconds, this time, you should just waiting.(*Figure 3.1-7*)
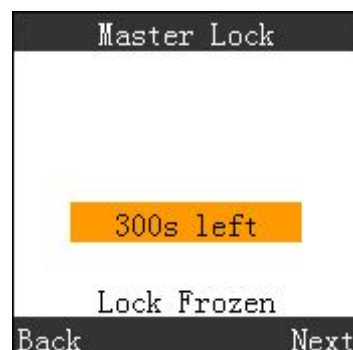

Figure 3.1-6   Figure 3.1-7

3. 2 Open Lock

When you entry the open/close lock menu successfully. Congratulations, you can operate the LOCK now!

1)Please use the **Direction key** to select the **Open Lock** item(*Figure 3.1-3*), and press the **Next** key.

2)Then, you might get a "*Please Open Lock*" message if the LOCK was locked previous. (*Figure 3.2-2*)If the Lock was unlocked previous, you would get an "*Open successfully*" message
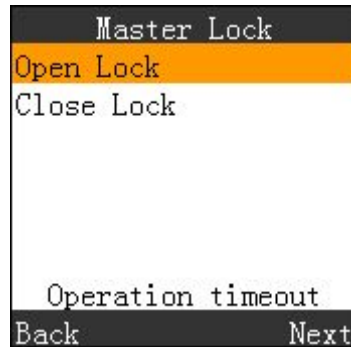
directly.(*Figure 3.2-4*)

Figure 3.2-1

3)Please turn the key(PDA) in a **clockwise** direction(about 90 degrees).(*Figure 3.2-3*) Once done you will get an "*Open successfully*" message.(*Figure 3.2-4*)
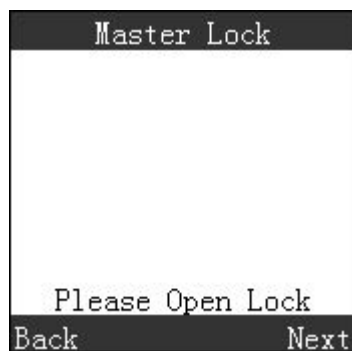
Figure 3.2-2   Figure 3.2-3   Figure 3.2-4

3.3 Close Lock

1)Please use the **Direction key** to select the **Close Lock** item after you entry the open/close menu(*Figure 3.3-1*), and press the **Next** key to do next operation.

Figure 3.3-1

2)Then, you might get a "*Please Close Lock*" message if the LOCK was unlocked previous.(*Figure 3.3-2*)

If the Lock was locked previous, you would get an "*Close successfully*" message directly.(*Figure 3.3-4*)

3)Please turn the key(PDA) in an **anticlockwise** direction(about 90 degrees)(*Figure 3.3-3*). You will get an "Close *successfully*" message.(*Figure 3.3-4*)
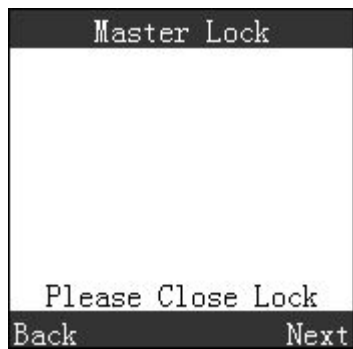
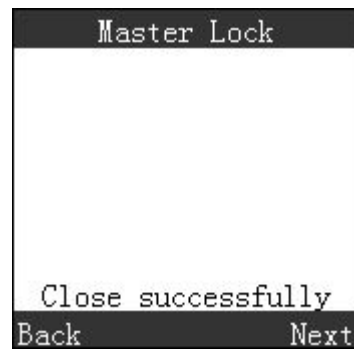|		
Master Lock Please Close Lock Back Next		Master Lock Close successfully Back Next
Figure 3.3-2	Figure 3.3-3	Figure 3.3-4

3. 4 Remove the PDA

If you want to remove the PDA from the LOCK, please press the **Back** key to disconnect the PDA with the LOCK first (this time the PDA will back to the **Desk** screen). And then, you can pull the PDA out from the Key Cylinder.

4. Slave Lock Operation

If there is something wrong with the master lock, you can use the **Slave Lock Operation** to operate the lock.

Please press any function key(except ***Power*** key) to open the ***main*** menu after the PDA power on. And then use the ***Direction key*** to select the ***Operate Slave Lock*** item(*Figure 4.0*) and press the ***Next*** key to entry the ***password*** screen.
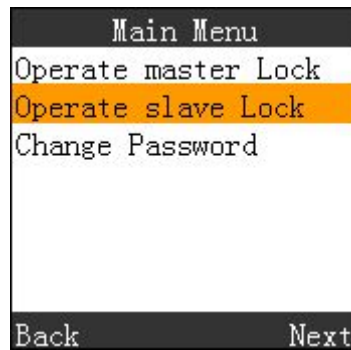

Figure 4.0

4.1 Password Verification

It's the same with the master lock password verification operation, please refer to the Section **3.1***Password Verification*.

4.2 Open Lock

1)When you entry the open/close lock menu successfully, please use the ***Direction key*** to select the ***Open Lock*** item, and press the ***Next*** key.(*Figure 4.2-1*)

2)Then, you will get a "*Please Open Lock*" message if successfully.(*Figure 4.2-2*)

3)Please turn the key(PDA) in an **anticlockwise** direction(about 90 degrees)(*Figure 4.2-3*). **But you will not get a message like *Open successfully* anyway because of the slave lock's structure.**
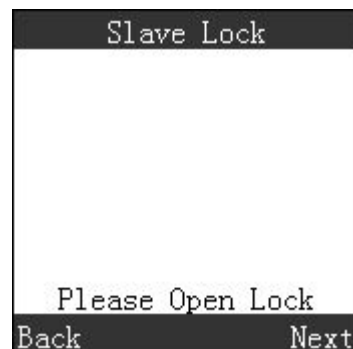

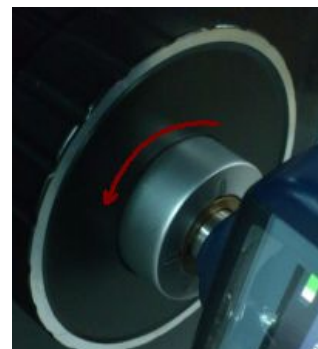Figure 4.2-1   Figure 4.2-2   Figure 4.2-3

4.3 Close Lock

1)When you entry the open/close lock menu successfully, please use the ***Direction key*** to select the ***Close Lock*** item(*Figure 4.3-1*), and press the ***Next*** key.

2)Then, you will get a "*Please Close Lock*" message if successfully.(*Figure 4.3-2*)

3)Please turn the key(PDA) in a **clockwise** direction(about 90 degrees)(*Figure 4.3-3*). **But**

you will not get a message like *Close successfully* anyway because of the slave lock's structure.

Please press ***back*** key to finish this operation.
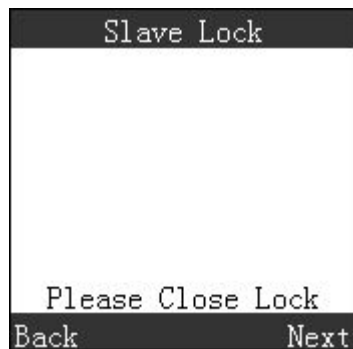

Figure 4.3-1	Figure 4.3-2	Figure 4.3-3

4. 4 Remove the PDA

If you want to remove the PDA from the LOCK, please press the ***Back*** key to disconnect the PDA with the LOCK first (this time the PDA will back to the ***Desk*** screen). And then, you can remove the PDA.

5. Change Password

1.Please press any function key(except **Power** key) to open the main menu after the PDA power on. And then use the **Direction key** to select the **Change Password***(Figure 5.1)* and press the **Next** key to entry to the **Change Password** screen.*(Figure 5.2)*

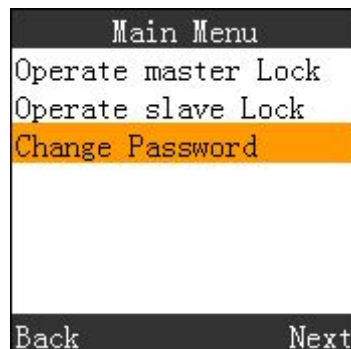Figure 5.1

2.Input the *Original Password(Figure 5.3)*, than press the **Next** key to entry.

Figure 5.2   Figure 5.3
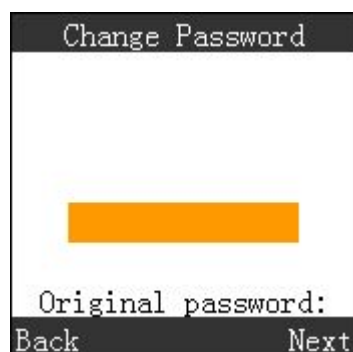
3.Input your New password, and press **Next** key.*(Figure 5.4)*
4.Input your New password again, and press **Next** key.*(Figure 5.5)*

Figure 5.4   Figure 5.5

5.Throughout the progress of these 3 steps, if you input wrong characters, you can press the **C** key to delete the characters one by one, it just like the **Backspace** key on PC.

Notice:

Please remember, all the password must be 8 digits, and you verify the passwords incorrect 3 times, the LOCK also will be frozen, and you would just waiting the 300s' countdown.*(Figure 5.6)*

Throughout the progress of changing password, if you remove the PDA, it will cause *Operation Timeout* message, and then you need to try it again.*(Figure 5.7)*
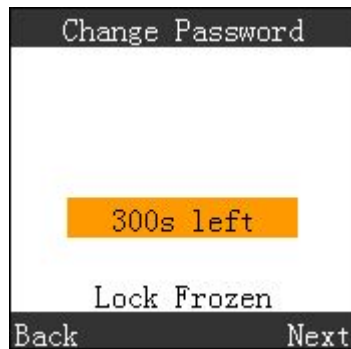

Figure 5.6   Figure 5.7

6.After step 4, if the lock changes password OK, it will reply PDA "*Change successfully*" and "*Please exit*" message.(*Figure 5.8*)

7.If the Lock changes password fail, it will reply PDA "*Operation failed*" message.(*Figure 5.9*) Please press **Back** key to turn to the **Desk** screen.

Figure 5.8   Figure 5.9

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Warning：

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different
from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body.