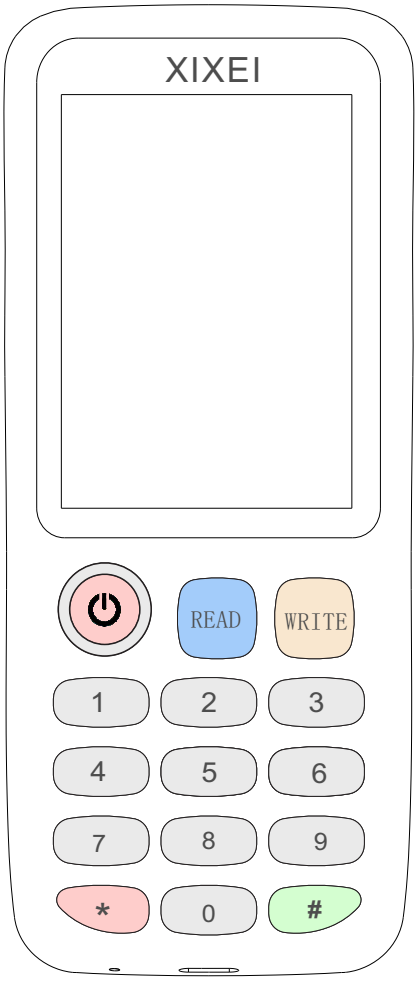
NETWORK SECURITY TECHNOLOGY



SMART CARD REPLICATOR

(USB interface)

--USER MANUAL

For more information, please visit our website www.xixei.com

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Chapter 1 Product Introduction

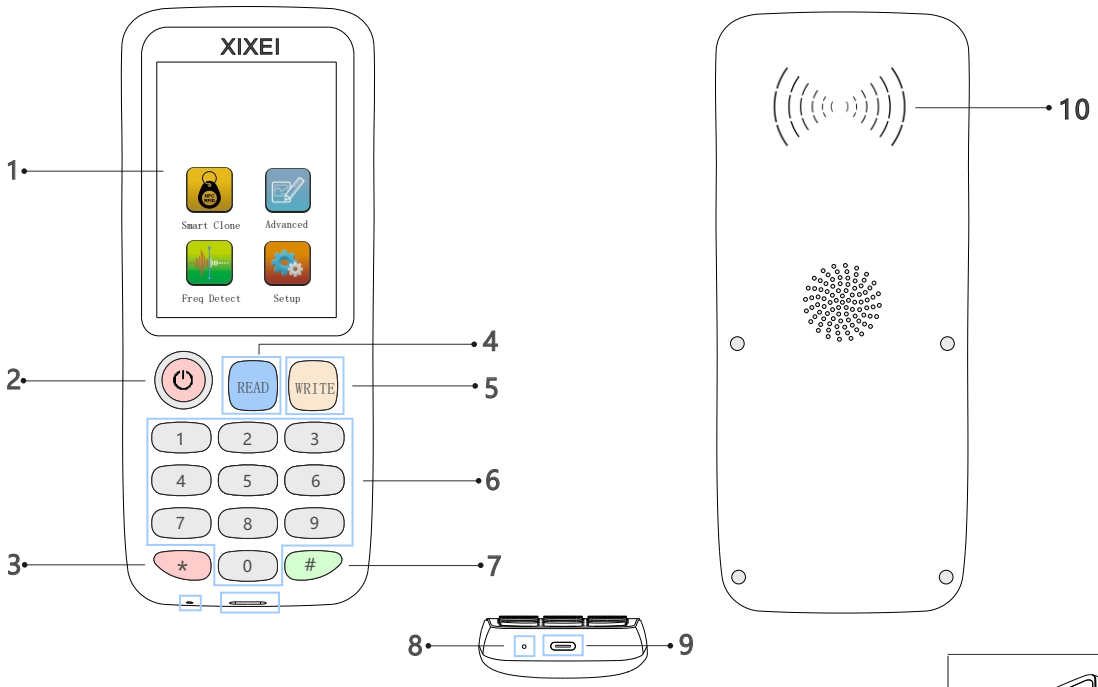
1.1 Product information

Item: Smart Card Replicator
Model:XIXEI-X7
Size:141*59*23mm
Tip: Display prompt/buzzer tone
Interface: Type-C interface
Company Address: Floor 4, Building 6, Heng Sheng Fa Industrial Park, Heming East Road, Liulian Community, Pingdi Street, Longgang District, Shenzhen City

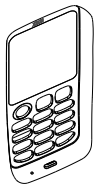
1.2 Product Description

●Accessories
Including 1 charging cable and 1 OTG adapter.
●Power on/off
Press the power button to start the device,then it will show “ Disclaimer Interface”,and then you can start your operation.
And long press the power button to turn off the power.
●Charging
Plug the Type-c side of the cable into the device charging port at first, then plug the other USB side of the cable to the power source (5v, 300mA). And then press “READ” button or “#” button to enter Smart Clone “Shortcut” interface, it will show the green lightning icon on the top and the screen keeps lighting when it is charging.

1.3 Product Appearance



1 Display screen
2 Power button
3 Switch button
4 Read button
5 Write button
6 Numbers
7 Confirm button
8 Reset port
9 Charging port
10 Sensing area



Side view of this model device.

Figure 1 Front side and back side of this model device

Chart 2 Illustration

NO.	NAME	EXPLANATION
1	SCREEN	Resolution: 240 x 320 RGB
2	⏻	Power button
3	*	Switch button
4	READ	Read button
5	WRITE	Write button
6	0~9 Numbers	Directly enter the card number to write the card
7	#	Confirm button
8	Reset port	Once the device crashed, prick the reset port with a needle to restart
9	Charging port	To charge the device
10	Sensing area	Put the card in this area, easily sensed

Chapter 2 Product Performance

2.1 Features and Functions

1. Advantages: Easy to read and write
   Automatically full frequency sweep, it’s easy to find out the offset frequency cards
   Protect personal information, cards management package, store a lot of data
   High speed to transfer, meanwhile the device stably works Simple operation and no stuck
   Compact design, easy to carry and use
2. Features and uses: It can copy ID+IC dual-band card, full-band ID card, IC card, HID card
   Penetrate the firewall
   Break through flawless card
   With new decoding software
   One-click automatic decoding ability
   The color screen comes with lithium battery
   The product continuously being upgraded

2.2 Scope of application

1. Compatible system: compatible with the most of systems, such as Windows XP, Windows 7, Windows 8 (please see below figure 2).

Figure 2 Compatible with the most of systems

Scope of application:

Buildings Access controller Elevator Attendance

Figure 3 It can be used in a lot of places

Chapter 3 Operating Instructions

3.1 Main uses and operations

3.1.1 Read and write card:

Read and write IC card: IC card (frequency is 13.56mhz), put the IC card in the sensing area, then press "READ" button, if the card is non-encryption card or button, the device will display "Reading succeeded", and then replace the IC card with an IC copy card, put it in the sensing area, press "WRITE" button to write it, meanwhile the device will display " Writing succeeded"(then you can check this card whether can be used or not, otherwise the device will display " Card writing failed)

Read and write ID card: ID card(frequency is 125khz), put the original ID card in the sensing area, then press "READ" button, the device will display "Reading succeeded", and then replace the ID card with an ID copy card, put it in the sensing area, press "WRITE" button to write it, meanwhile the device will display " Writing Succeeded" (then you can check this card whether can be used or not) , otherwise the device will display " Card writing failed".

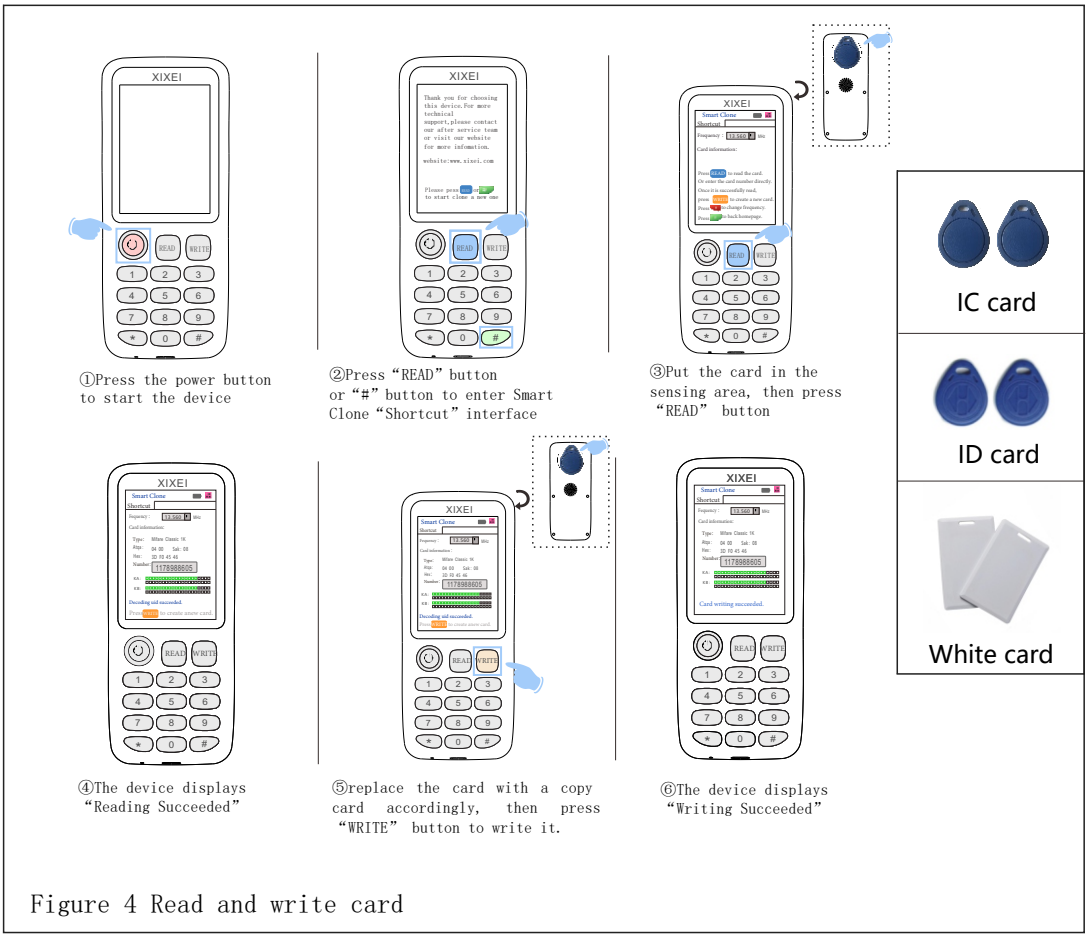


Figure 4 Read and write card

3.1.2 Directly enter the card number to write the card:

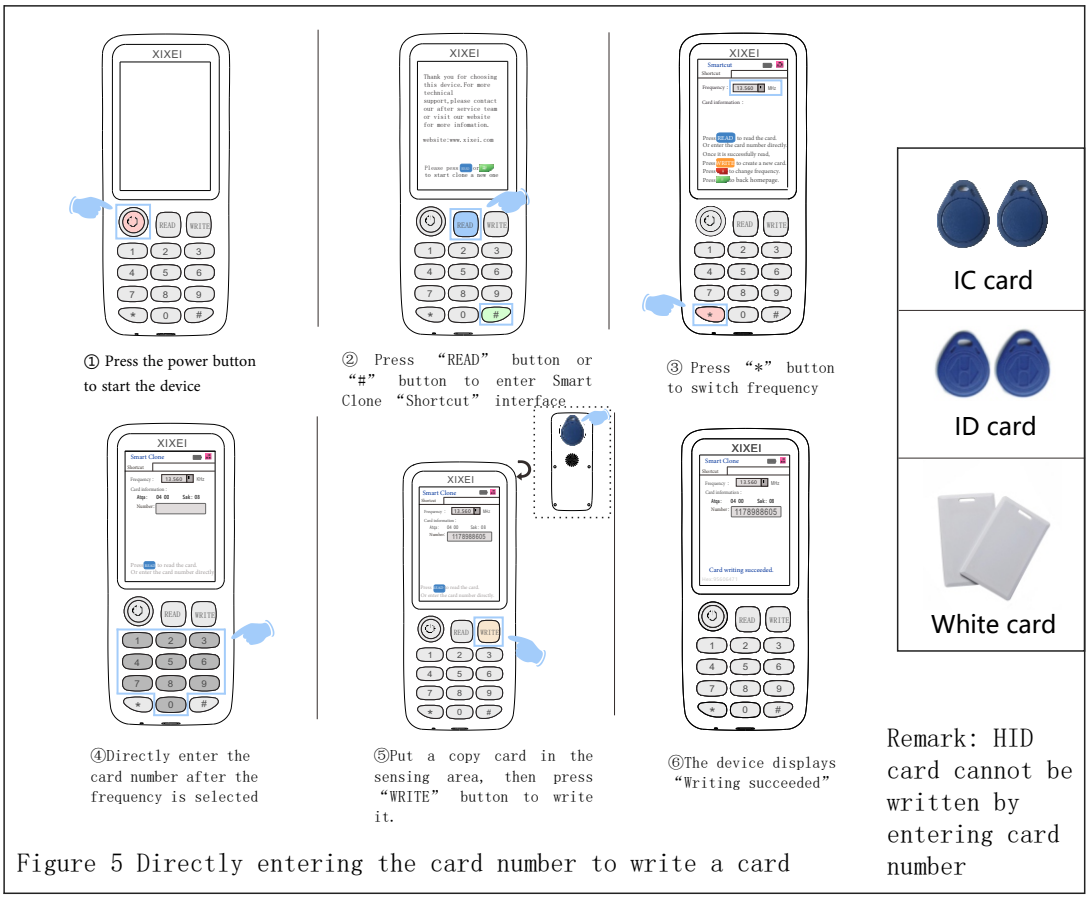


Figure 5 Directly entering the card number to write a card

3.1.3 Format IC card

3.1.3.1 Read IC card in format interface

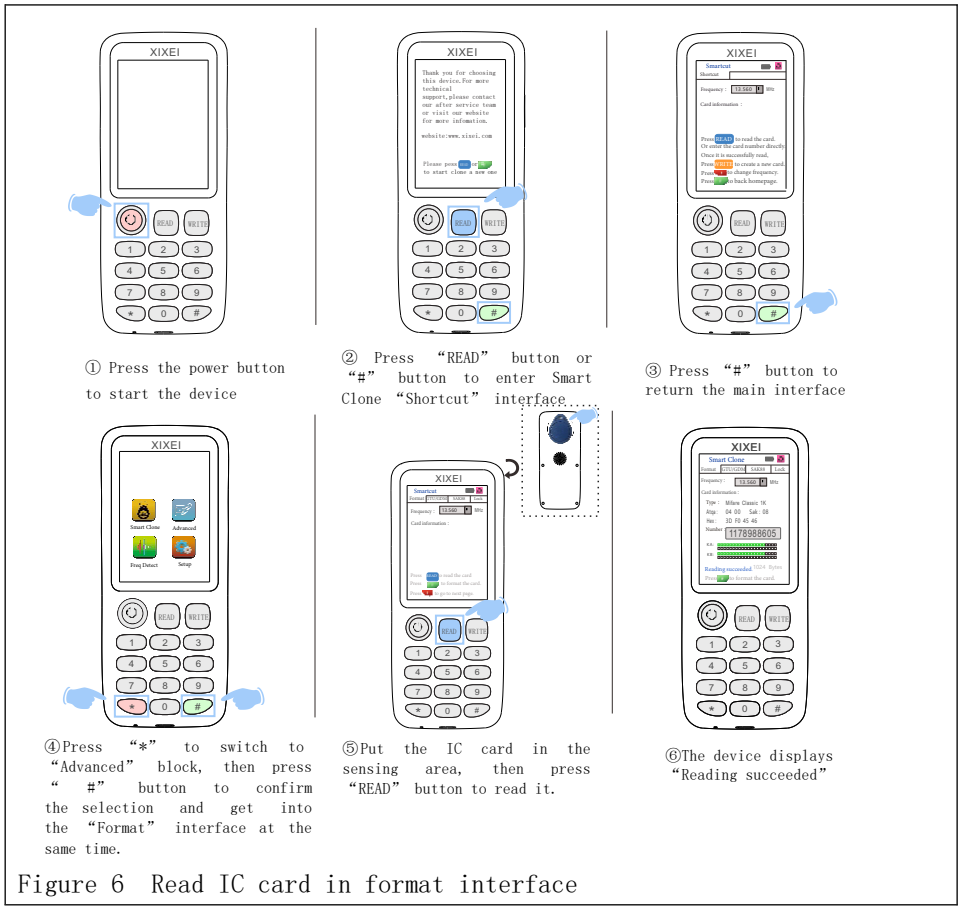
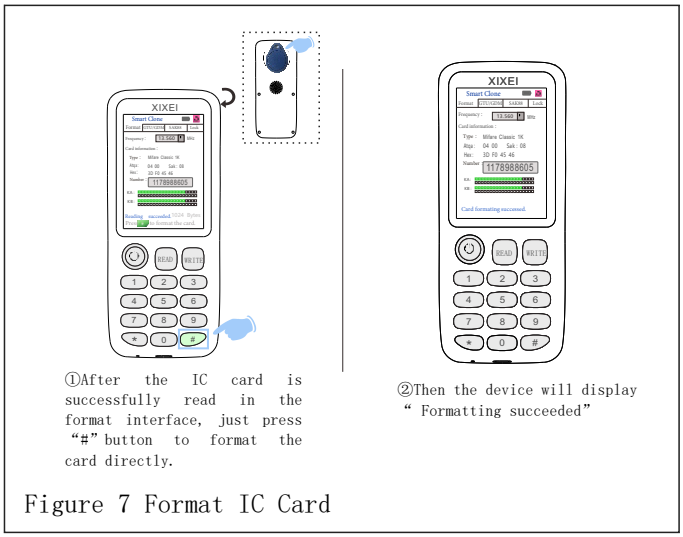


Figure 6 Read IC card in format interface

3.1.3.2 Format IC Card



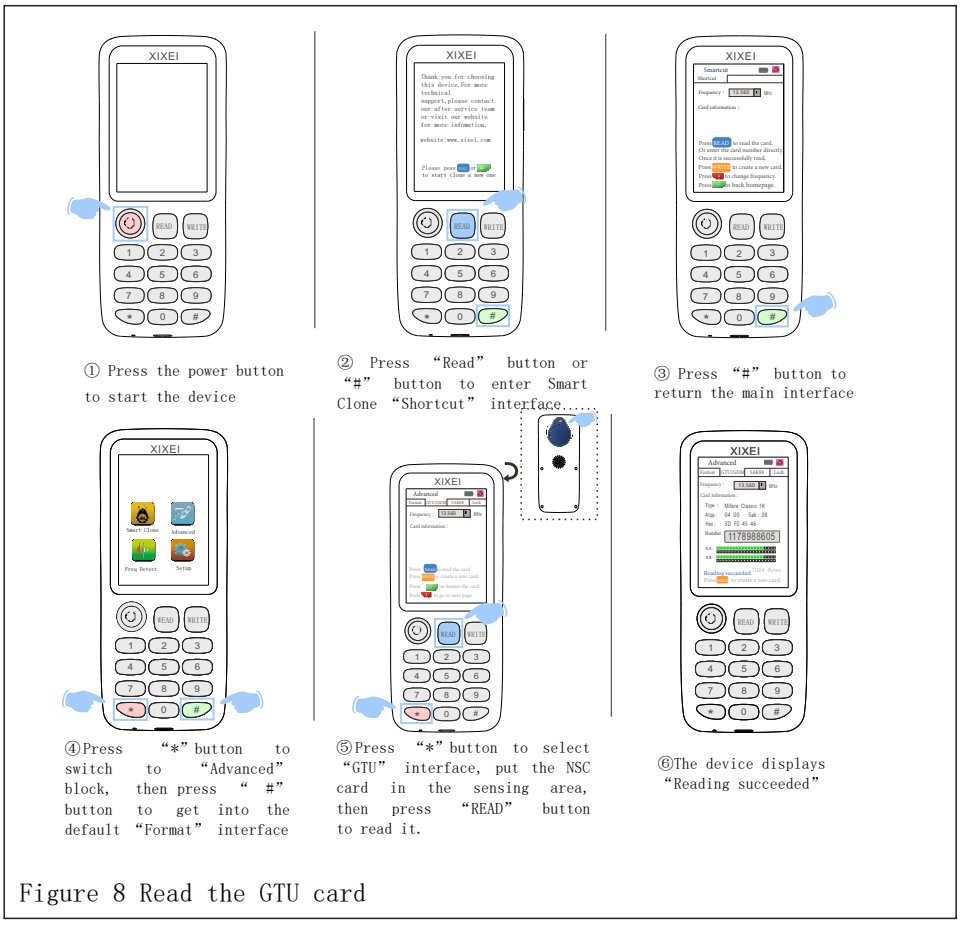
①After the IC card is successfully read in the format interface, just press "#" button to format the card directly.

②Then the device will display " Formatting succeeded"

Figure 7 Format IC Card

3.1.4 Process GTU card

3.1.4.1 Read GTU card



① Press the power button to start the device

② Press "Read" button or "#" button to enter Smart Clone "Shortcut" interface.

③ Press "#" button to return the main interface

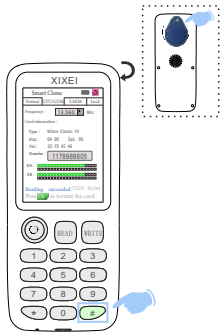
④Press "*"button to switch to "Advanced" block, then press " #" button to get into the default "Format" interface

⑤Press "*"button to select "GTU" interface, put the NSC card in the sensing area, then press "READ" button to read it.

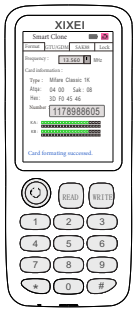
⑥The device displays "Reading succeeded"

Figure 8 Read the GTU card

3.1.4.2 Format GTU card



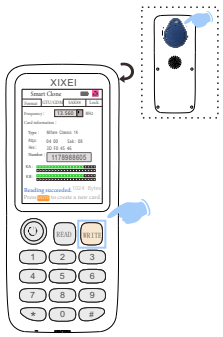
① After the GTU card is successfully read in the GTU interface, just press "#" button to format the card directly.



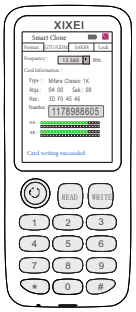
② Then the device will display " Formatting succeeded"

Figure 9 Format GTU card

3.1.4.3 Write GTU card



①After the GTU card is successfully read in the GTU interface, put a copy card in the sensing area, then press "WRITE" button to write it



② Then the device will display " Writing succeeded"

Figure 10 Write GTU card

3.1.5 Process QL88 card(Card model:QL88)

3.1.5.1 Read QL88 card

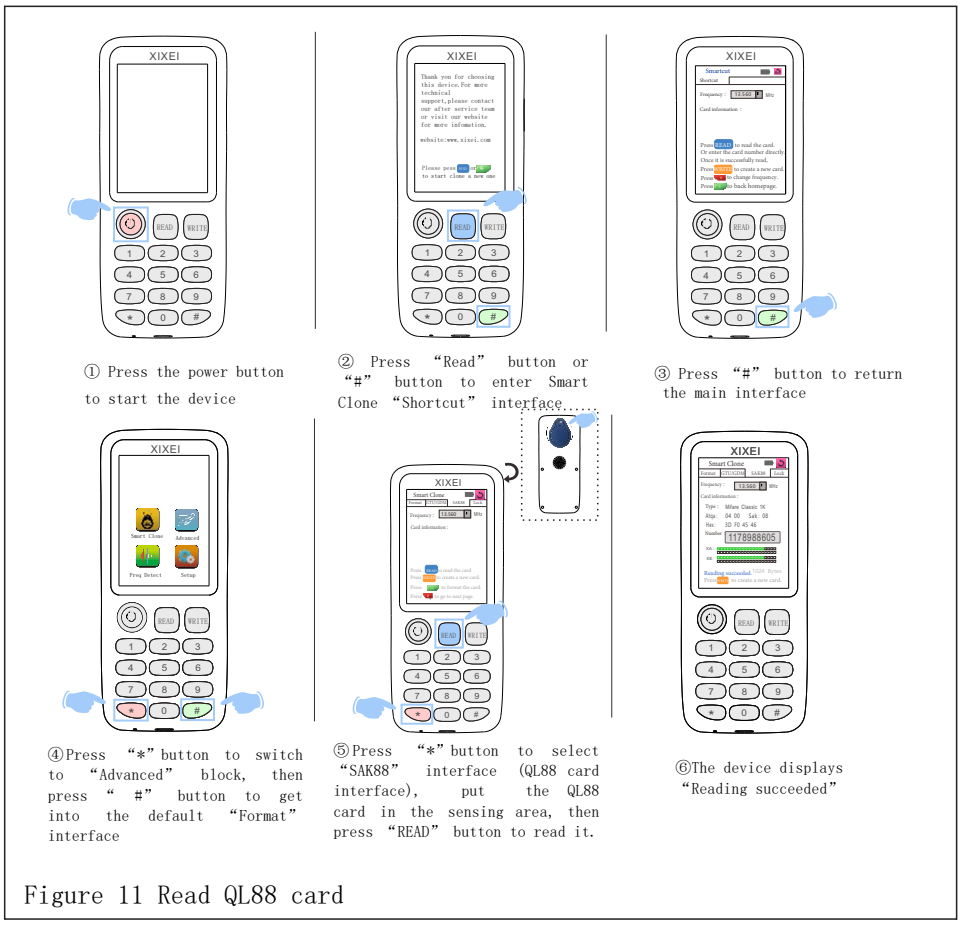


Figure 11 Read QL88 card

3.1.5.2 Format QL88 card

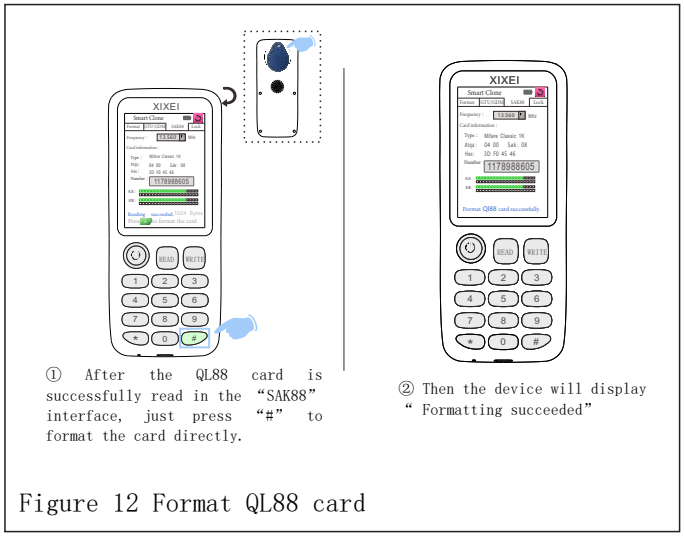
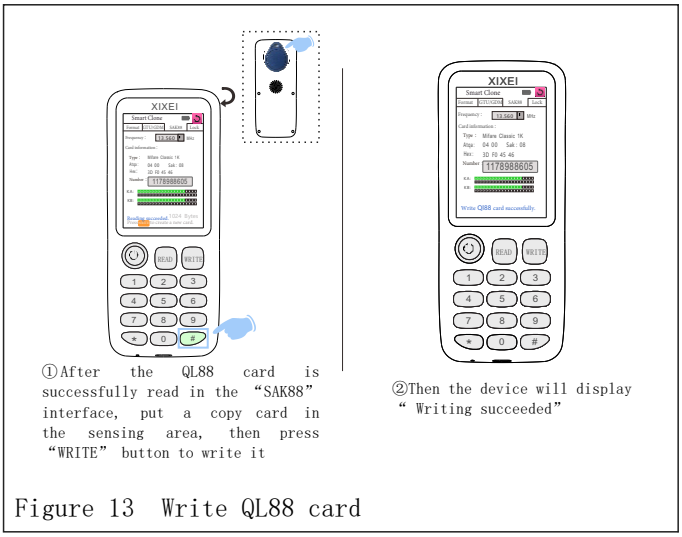


Figure 12 Format QL88 card

3.1.5.3 Write QL88 card

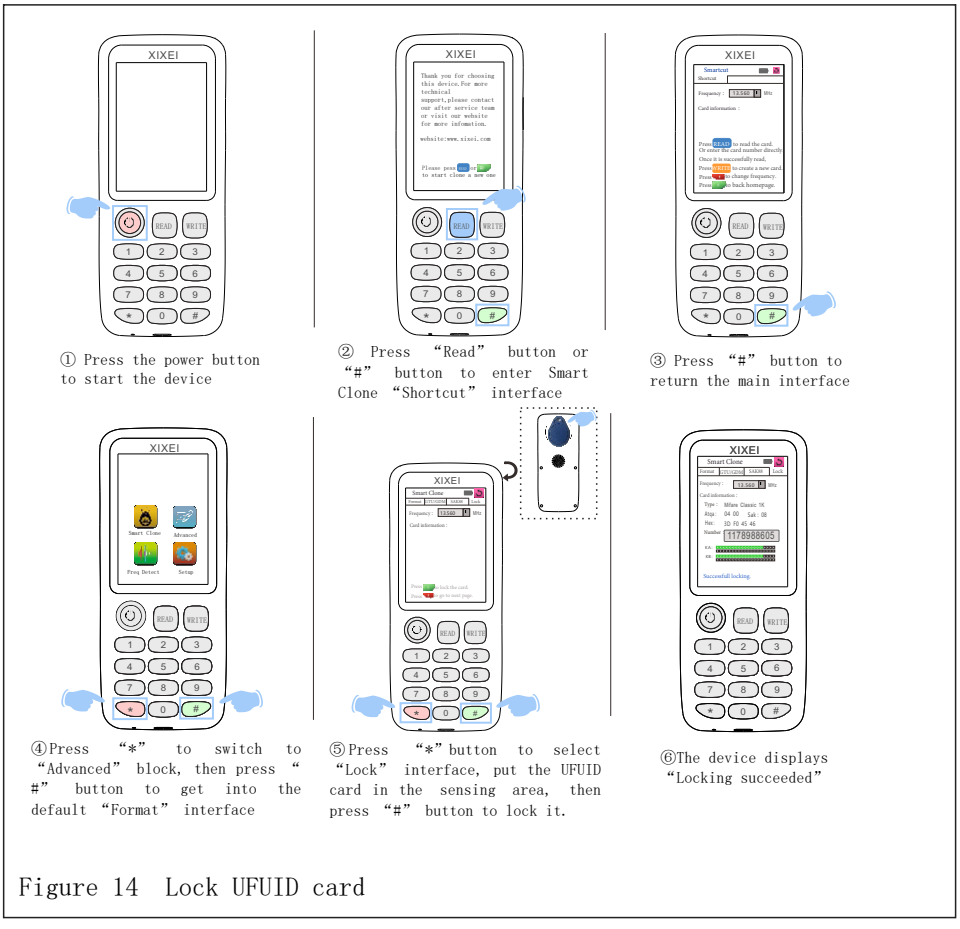


①After the QL88 card is successfully read in the "SAK88" interface, put a copy card in the sensing area, then press "WRITE" button to write it

②Then the device will display " Writing succeeded"

Figure 13 Write QL88 card

3.1.6 Lock UFUID card



① Press the power button to start the device

② Press "Read" button or "#" button to enter Smart Clone "Shortcut" interface

③ Press "#" button to return the main interface

④Press "*" to switch to "Advanced" block, then press "#" button to get into the default "Format" interface

⑤Press "*" button to select "Lock" interface, put the UFUID card in the sensing area, then press "#" button to lock it.

⑥The device displays "Locking succeeded"

Figure 14 Lock UFUID card

3.2 Operation through computer

（For computer, only support Windows OS.）

1. Decoding operations through computer:

①Connected the machine to a computer through the cable, plug the USB side of the cable into the USB port of the computer. Open the computer to find the USB flash disk, then find the shortcut of the software, double-click it to install the software. Or open www.xixei.com or www.nsccn.com in the browser to find the latest version software, click it and install it on the desktop.

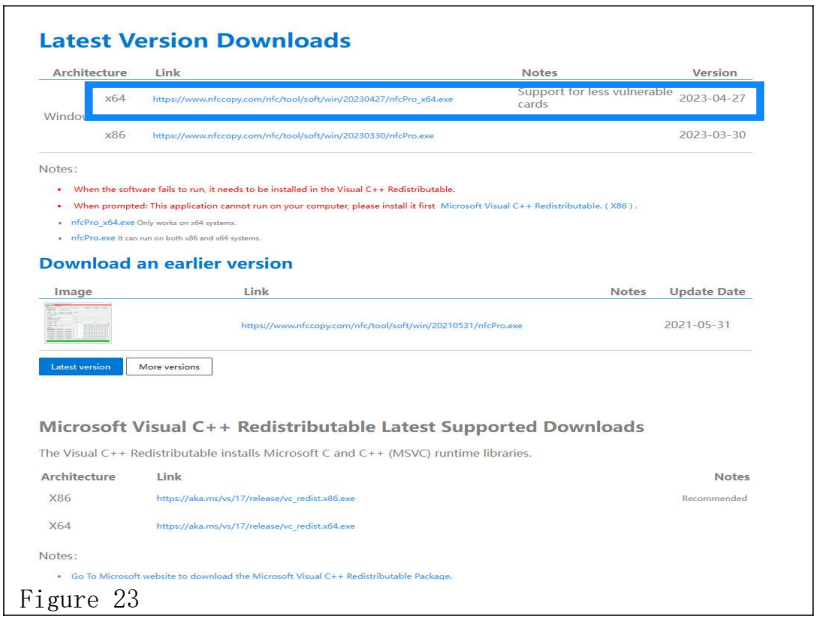


Figure 23

②After the machine connecting with the computer, press the power button to start the device at first, then press “READ” button or “#” button to enter Smart Clone “Shortcut” interface, the USB flash disk is closed at this time. Open the software from the computer, the computer will display the default “Basic” interface, show the device model and serial no. at the lower left corner, that means the machine is successfully connected to the computer or the sector is verified successfully.

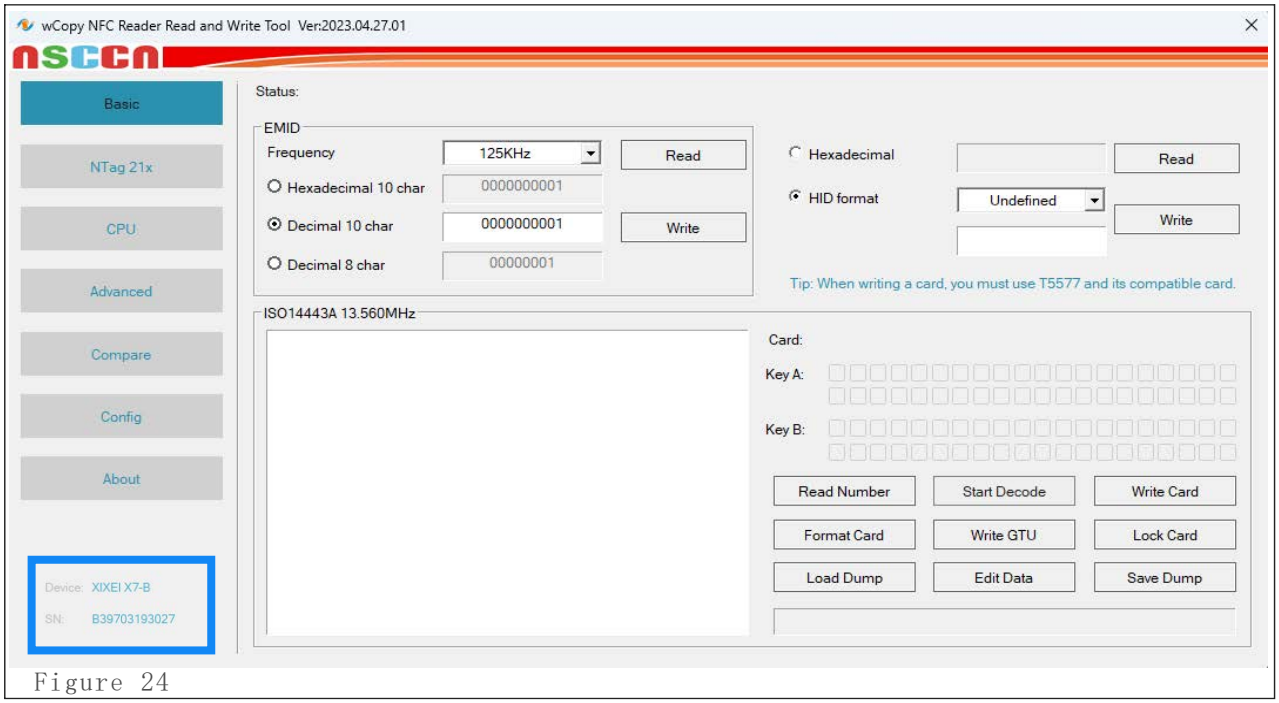


Figure 24

③Put the card in the sensing area that is under the device, then click "Start Decode" button on the computer screen, because the encrypted cards with different contents, the time of cracking are also different. Some only takes a few seconds, some takes a few minutes, some takes even longer, please do not move the device and the card, and just be patient to wait.

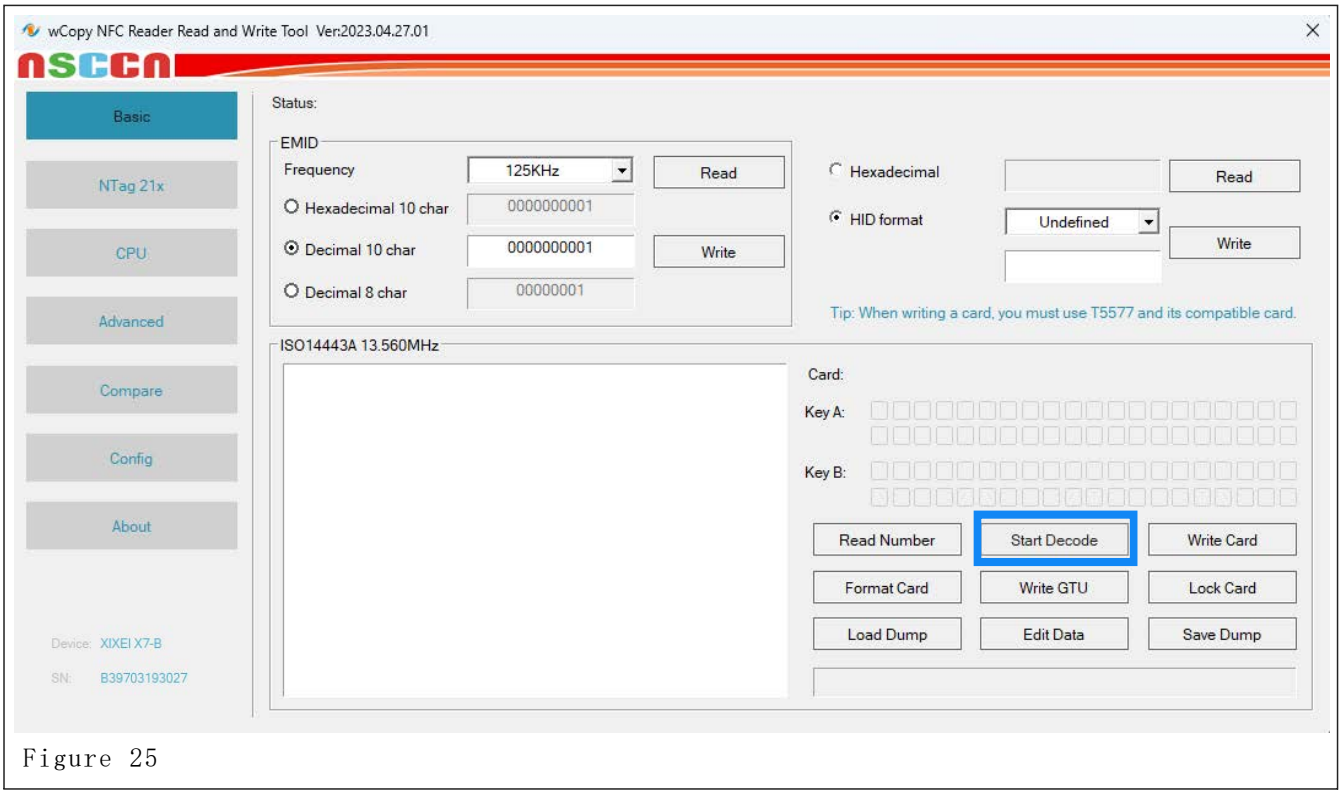


Figure 25

④After the successful crack, the device will sound one "beep" voice and software prompts "Status: Auth with all sectors succeeded!" that means the card is decoded successfully.

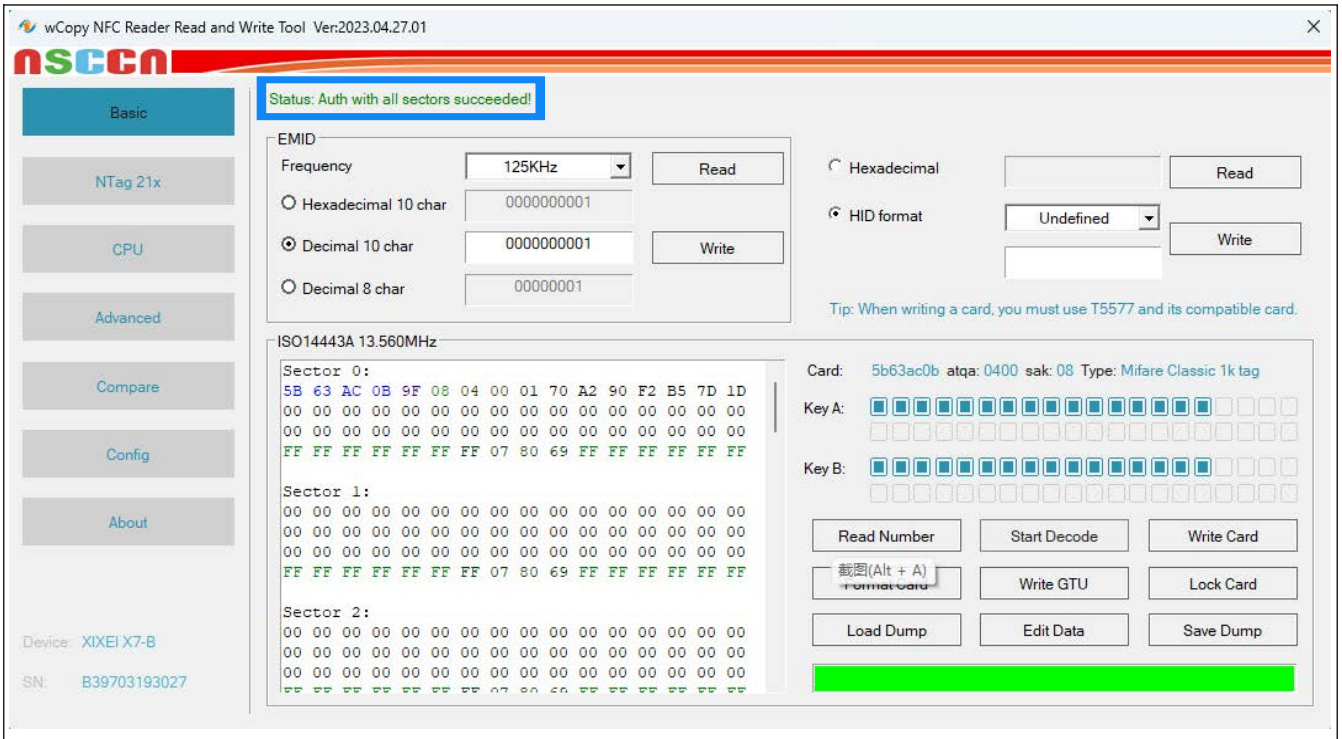


Figure 26

2 Write card by computer:

①Method 1, After the card has been decoded, the computer will display the data of 16 sectors(Hexadecimal format), at this time, replace the card with a copy card accordingly, then click the "Write Card" button on the computer screen to write the card, then the software will indicate "Status: Writing to CUID card is successful ". that means the card is written successfully.

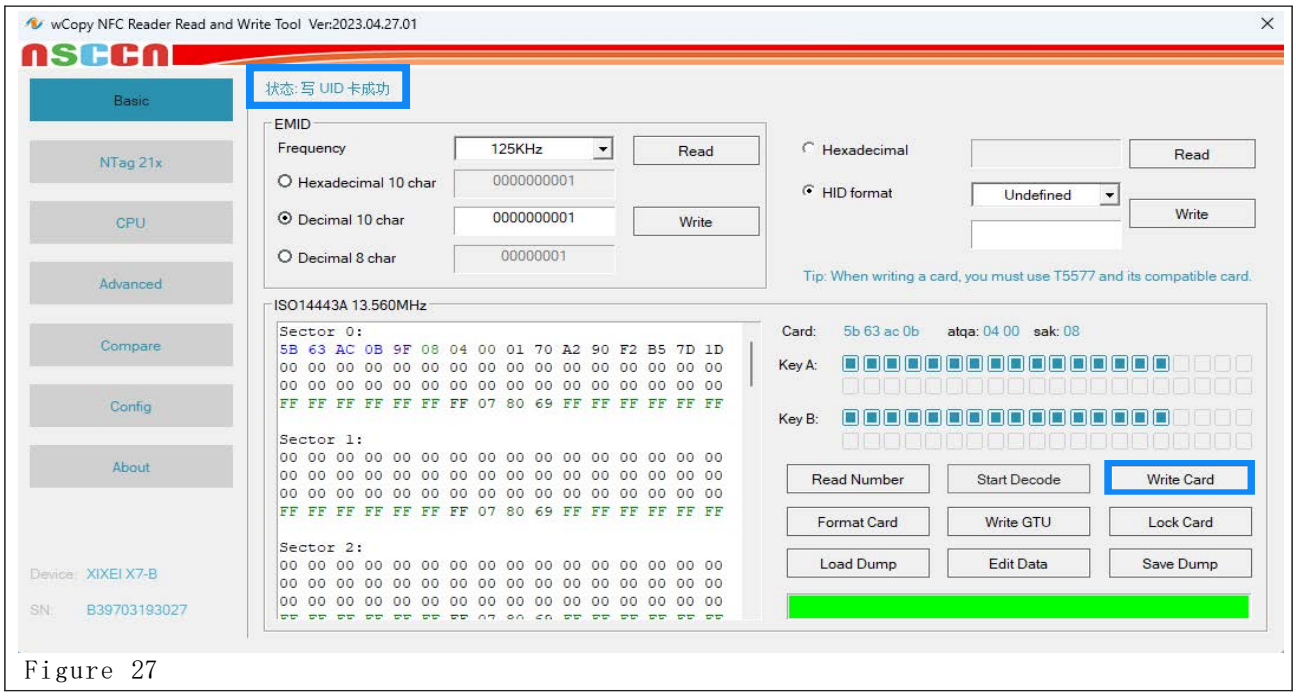


Figure 27

②Method 2, After the card has been successfully decoded, click "Save Dump" button on the computer to save the decoded dump file, then replace the card with an empty copy card accordingly, click "Load Dump" button to import the previously saved dump file, finally press " Write Card" button to write the card. The software will indicate " Status: The file is imported successfully", that means the card is written successfully.

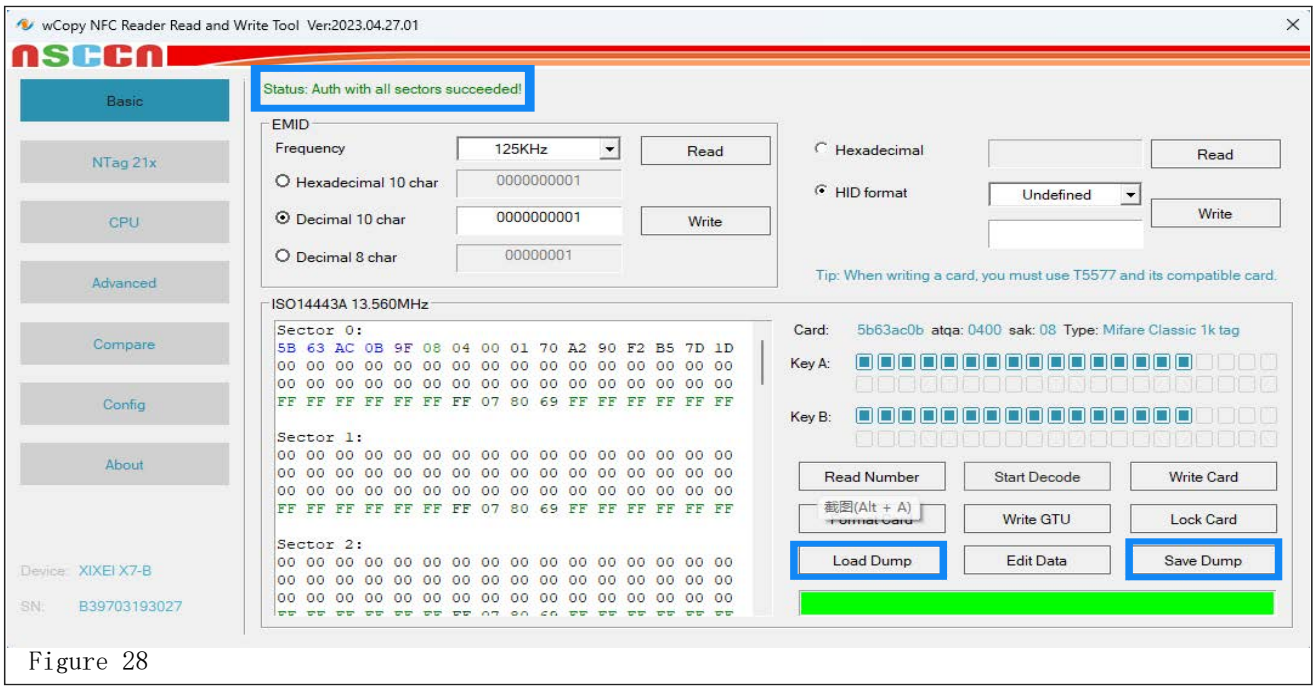


Figure 28

The above two operations are possible ways to write, after the card is written successfully, the device will sound one "beep" voice and software also prompt on the computer as well.

3.How to modify a single block data:

Click “ Edit Data” button at first, then find the sector that need to be modified, fill in the block data accordingly, then click “ OK” to confirm the modification.

Put put a empty card in the sensing area of the device, click “Write Card” button on the computer to write the card. The device sounds one beep and the software also prompt on the computer “Status: Writing to CUID card is successful “. Or click “Save Data” button on the computer to save the modified dump file.

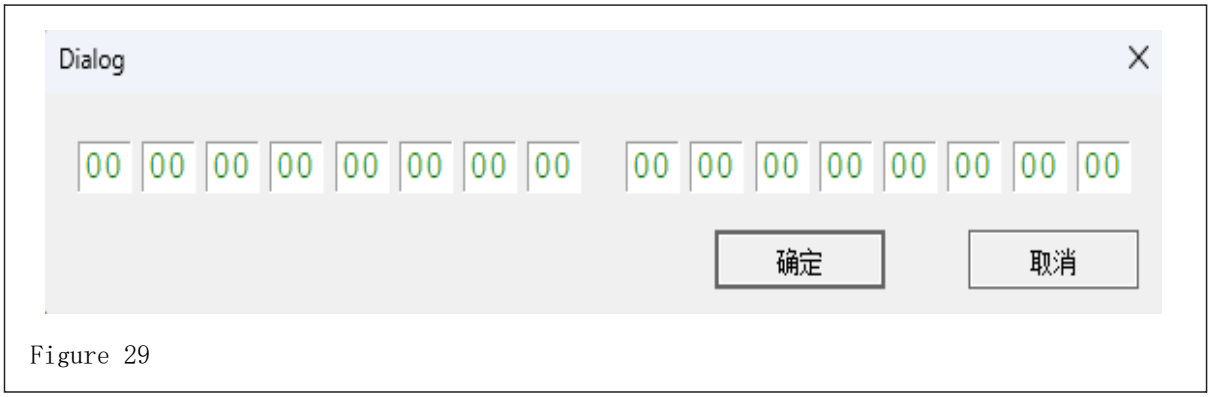


Figure 29

4.How to use the data comparison feature :

Switch to “Compare” interface at first, click the two “ Import” buttons to import the dump files that need to be compared, and then click the “ Compare” button that beneath “Import” button to compare, finally the computer will show the comparison result after finishing the comparison.

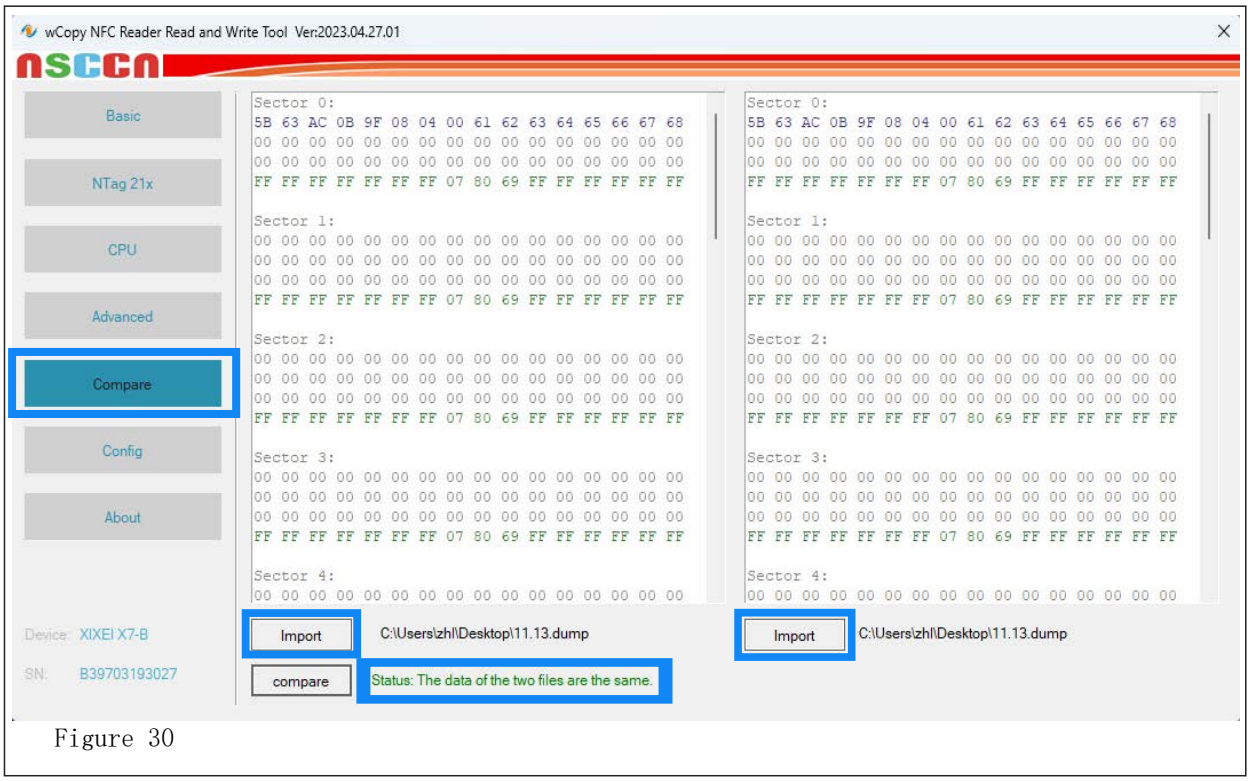


Figure 30

Chapter 4 Setup and help

4.1 Frequency detection and setting

4.1.1 Frequency detection

1. Open the detection interface

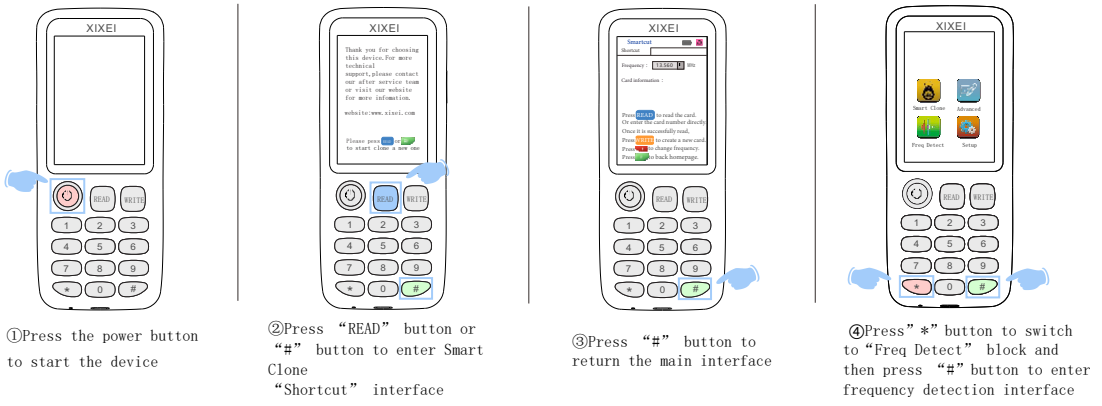


Figure 31 How to enter frequency detection interface

2.Frequency detection on door access controller

Frequency detection is mainly used to check access controller frequency, put the device close to the access controller and then press “READ” button, the device will display the frequency value in the right box of “Frequency”. The same value frequency card will be active at the farthest distance, frequency detection mainly can check out the correct frequency of the access controller.

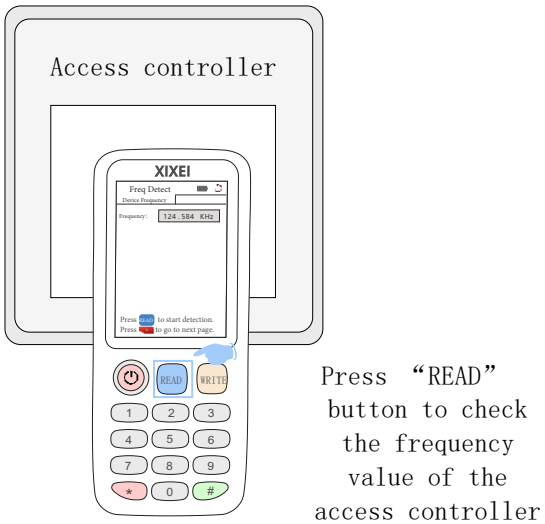


Figure 32 Frequency Detection

4.1.2 System setup

1. Open the setup interface

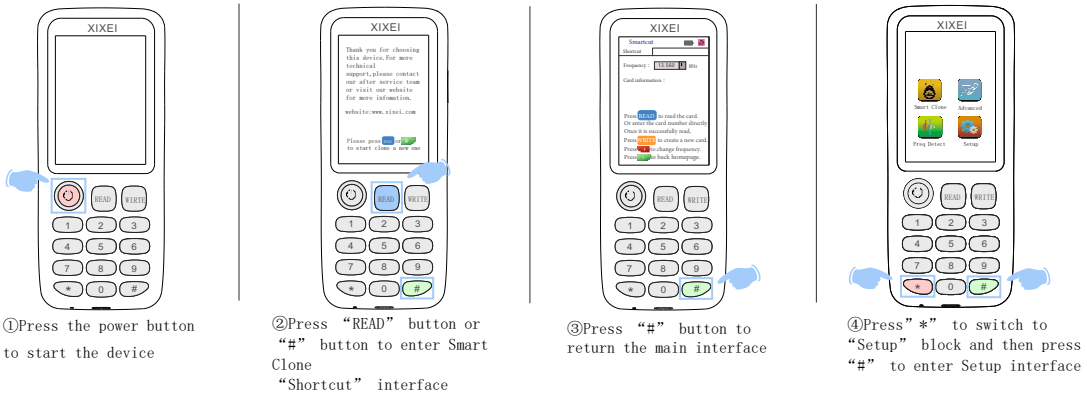


Figure 33 How to enter the Setup interface

2. Function Setting

After opening the setup interface, you can press “ * ” to select the function and then start to set up the function.

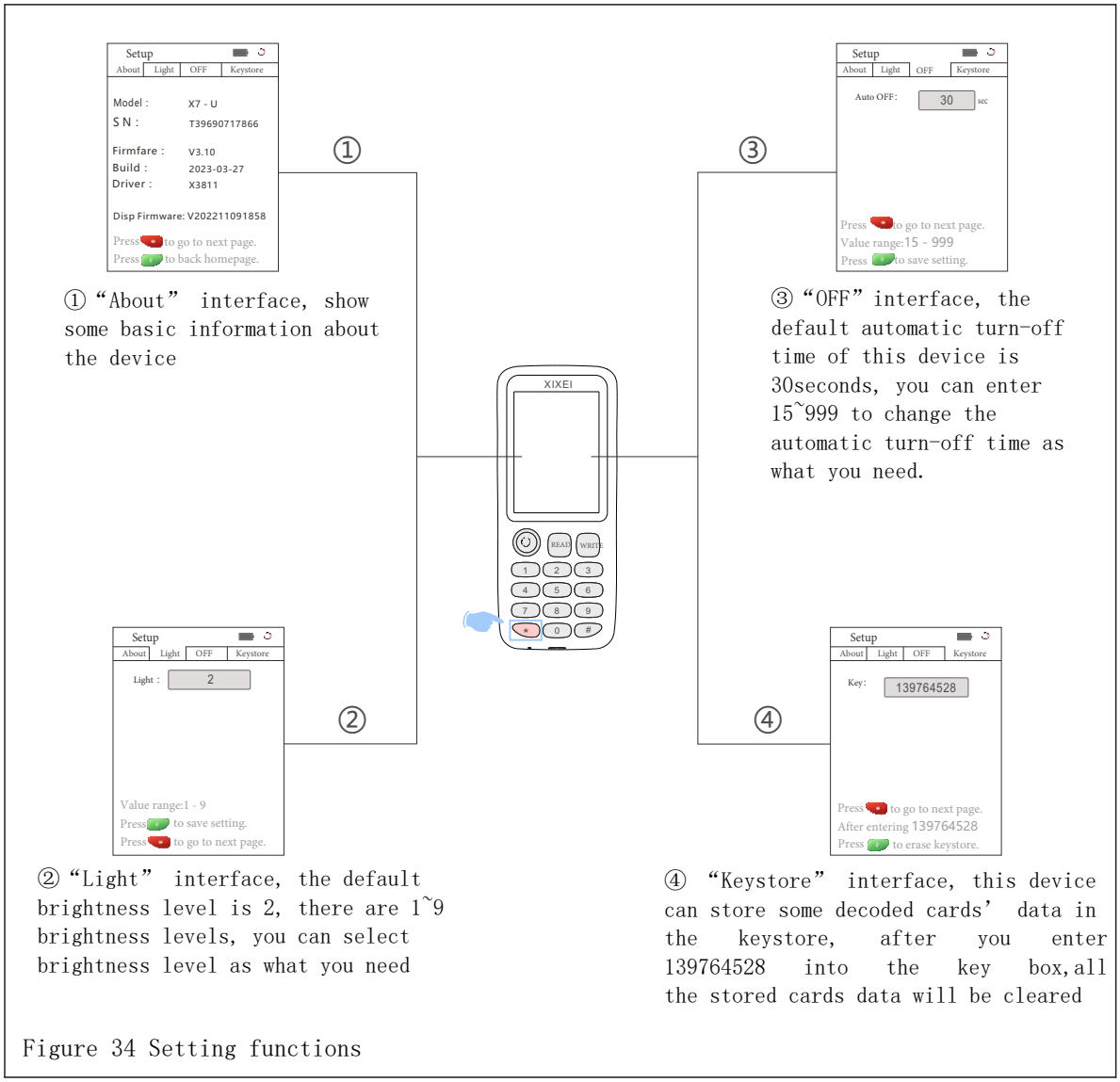


Figure 34 Setting functions

4.2 Attentions and Precautions

1. When the device crashes, please use the needle to plunge in the reset hole to restart it.
2. Do not put the device in the humid environment. Try to avoid moisture get into to damage it.
3. For different type cards or key fobs, the device will display different success reading information accordingly. (As shown in the figure)

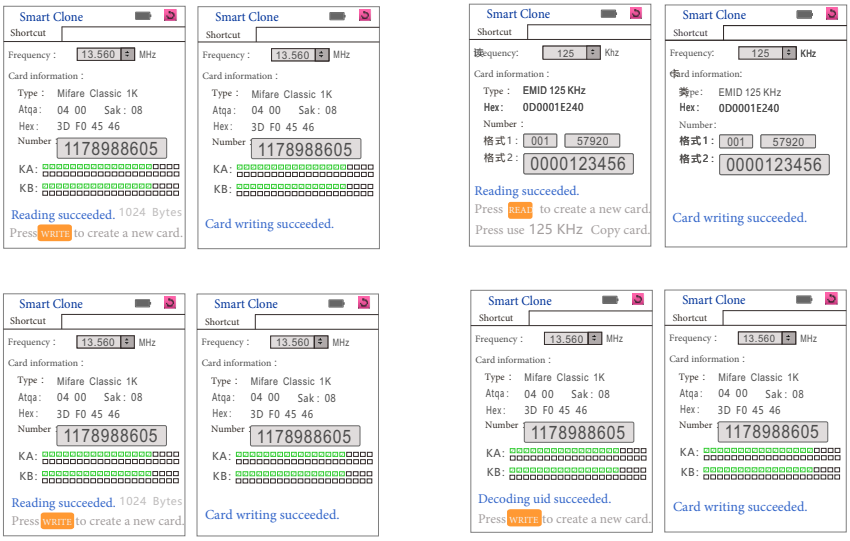


Figure 35 The card is read ad written successfully

4. If failed to read or write the card, please lay the card right in the sensing area, then try to read or write it again.

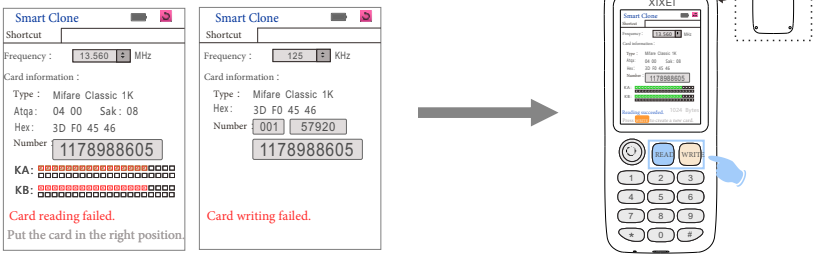


Figure 36 Reading or writing failed

5. If there is an encrypted sector, we don't suggest to write the card unless the card is decoded by phone or computer earlier.

4.3 FAQ

1. What cards does the device support to copy?

Usually it support house cards, access controller cards, elevator cards, attendance cards, parking cards etc. Can't use for water charge cards, canteen paying cards, bank cards, consumption cards and financial cards etc.

2.Is it possible to write several cards in one card?

The same type cards cannot be written in one card. 1 IC card or IC key fob and 1 ID card or ID key fob can be written in one card by dual-band card replicator, the copy card must be a dual-band type card or key fob.

3.How to identify the type of card?

(1)Usually having 8~18 digital number on the key card are ID key cards. IC cards without any number on key cards.
(2)IC card and ID card can be identified by the inside coil of the card, use strong light through the card, check the inside coil shape, square shape is IC card, round shape is ID card.

4.Is it possible to be replicated for all access control cards and elevator cards?

There are many types of access control cards and elevator cards, and some kinds of cards have their own copy-proof function, so that no guarantee it can copy all kinds of cards.

5.Is it possible to write for the old cards?

Common cards and copy cards are two different types, common cards have been fixed their numbers at the factory, their card numbers cannot be copied, so that common cards cannot be used as copy cards.

6.What is the scroll code system?

Usually use it for the elevator, occasionally use for access control, it is a repeated copy card system. The original card will not be workable once swiped by the duplicated card(and the duplicated card also perhaps cannot be used. Some of scroll code system can be copied by some special method.

7.Universal card / all-purpose card?

Usually people call the card having the maximum authority on the access control or elevator as universal card or all-purpose card, actually its capability is just a little better than some common cards, but they don't have universal or all-purpose abilities.

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.