Deciphering & Copying Set for 125k RF Card
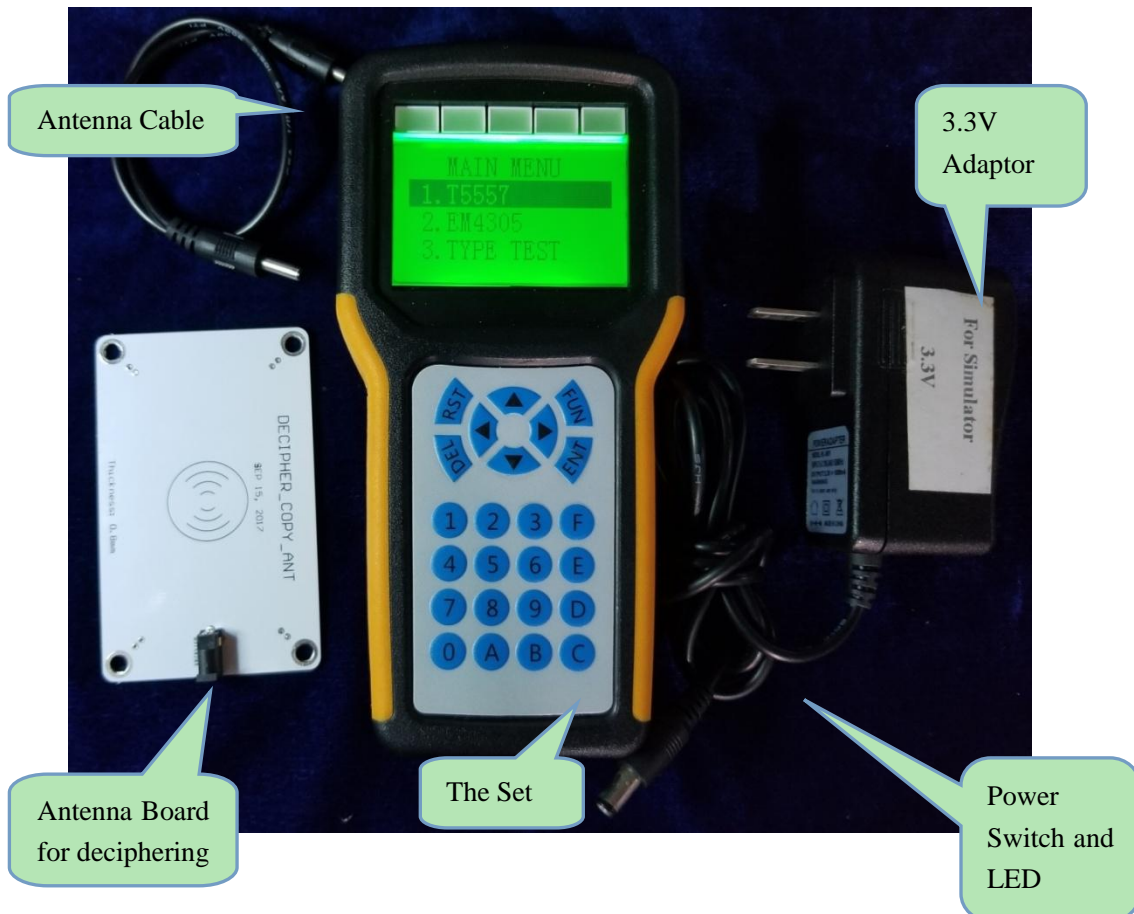
User's Manual

The set could be used for deciphering passwords of 125k RF cards and copying them quickly (including T5557 and EM4305 serial cards).

You could pay the money of the part functions selected according to your needs to save your money. When you would want to add the new functions in the future, you could upgrade the set after you should add payment.

Attention: You could not decipher a password if you have only a card.

If you want to decipher password by the set, you must use the set with your card and the application system of the card (including a reader and personal computer with the software maybe).

If a card is not set in password mode, you could not decipher a password by the set, because the card set in no password mode has not password. Please view Section 3.2 or T5557.pdf/EM4305.pdf.

Antenna Cable

3.3V Adaptor

Antenna Board for deciphering

The Set

Power Switch and LED

Contents

1. Functions and Parameters

1.1 Basic Functions

▼Identify the types of 125k RF cards, including T5557/EM4305/EM4100.

▼Edit password, data and control byte of a card.

▼Non-volatile data storage.

▼Remote upgrade the functions.

1.2 The Functions to be Selected

A Copy T5557/T5567/T5577

B Decipher T5557/T5567/T5577

C Copy EM4305/EM4205

D Decipher EM4305/EM4205

Attention:

The next functions could not be opened in the set. It is depend on your payment whether or not a function is opened. If you want to open a new function, please connect with us. You could upgrade the set by UPGRDADE, please view Section 2.7.

1.3 Parameters

♣ Time of deciphering a password is the time that your application system write card.

♣ Time of copying a piece of card：1s

♣ 4 × AAA cells（7#）, or 3.3V DC adaptor.

♣ Size：162×80×28mm^3（L×W×H)

♣ Passwords storage：14

♣ Data storage：All data of a piece of card

2. Manual

2.1 The functions of the keys

ENT: Enter, go to the next menu, or be sure after inputting.

DEL: Delete, return to the last menu.

RST: Reset, reset the set, and view the password after deciphering.

FUN: Reserved

◀▶: Left and right shift the cursor.

▲▼: Up and down shift the cursor. Change the selection of the menu. In copying mode, ▼ cleans the sum of copying cards, ▲ changes from the handle mode to the automatic mode.

0-F：They are digits in hex.

2.2 Copy T5557

Step 1: After power on, the set displays the main menu as follows as Fig.2.2.1. Pressing ▼ to change selection of the main menu.
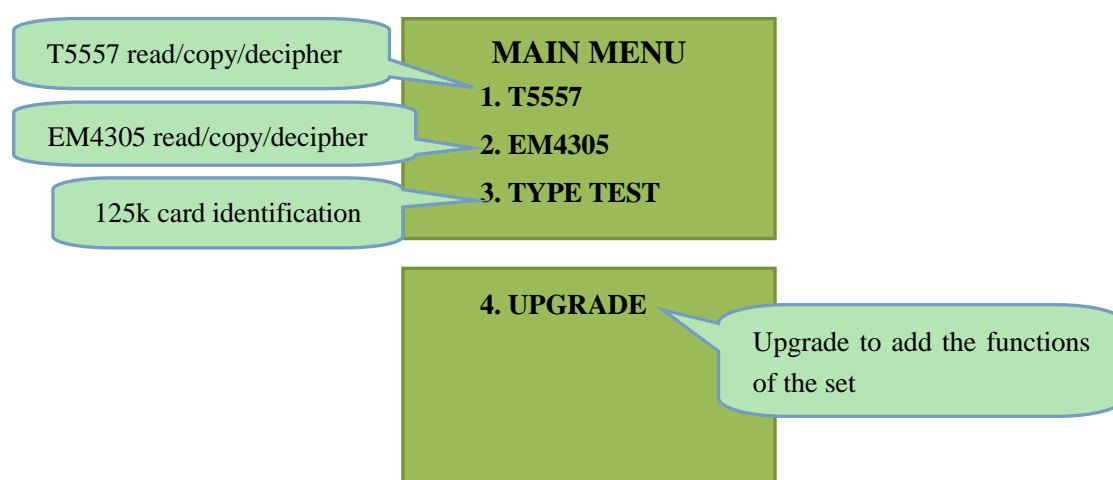
T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig 2.2.1 Main Menu

Step 2: Press ▲/▼ to select **T5557**, and then press **ENT**, the set displays as follows as Fig 2.2.2.

T5557 MENU
1. PWD TEST — Decipher password
2. PWD READ — Read card with password if a card is set in password mode
3. COPY — Copy

4. READ — Read card without password if a card is set in no password mode
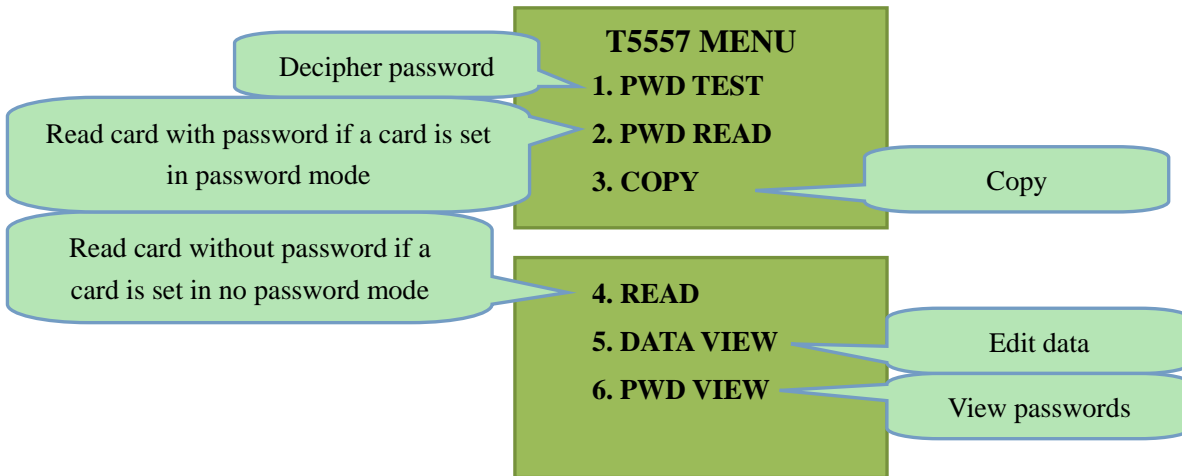5. DATA VIEW — Edit data
6. PWD VIEW — View passwords

Fig 2.2.2 T5557 menu

Step 3: If a card to be read is in no password mode: you must select **READ** and then go to Step5. If a card is in password mode, you must select **PWD READ** and then the set displays as Fig2.2.3 to wait for you to input 8 digits of password.

Attention: If you could not confirm the type of your cards (in password mode or in no password mode), please to identify the type in the main menu to select **TYPE TEST**.
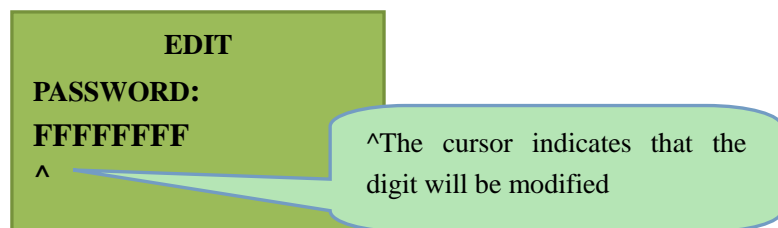
EDIT
PASSWORD:
FFFFFFFF
^ — ^The cursor indicates that the digit will be modified

Fig2.2.3 Password Edit

Step 4: Input 8 digits of password. And then put the mother card on the back of the set, **not on the "Antenna Board for deciphering"**, and then press **ENT** to read the mother card.

Step 5: If reading a card successfully, the set displays as Fig2.2.4, and then you could press **ENT** or **DEL** to the last menu. The data will be saved in the set, and is not lost after power off. If you want to view the data again, please select to **DATA VIEW**.

| BLOCK |
| 0:001480D8   1:12345678 |
| 2:12345678   3:12345678 |
| 4:12345678   5:12345678 |
| 6:12345678   7:FFFFFFFF |

ERROR

Fig2.2.4 Read successfully   Fig2.2.5 Read fail

Step 6: Pressing **ENT**, the set returns to Fig2.2.2, and then please select **COPY** to enter to Fig2.2.6.

successful: 00000
MODE: Manual

Fig 2.2.6 Copy Menu

Step 7: Put the new card on the back (induction region) of the set, and then press ENT to copy a card.

Attention: The set has two types of copying modes, manual mode or automation mode, please press ▲ to change.

Manual mode: Press ENT to start copying a card.

Automation mode: No press ENT to start copying after putting a card in the induction region.

If copying successfully, the count will be increased. The count is not lost after the set is power off. In the manual mode, the count will be clean if you press ▼. If copying fail, the set displays ERROR。

2.3 Copy EM4305

Step 1: After power on, the set displays the main menu as follows as Fig.2.3.1. Pressing ▼ to change selection of the main menu.
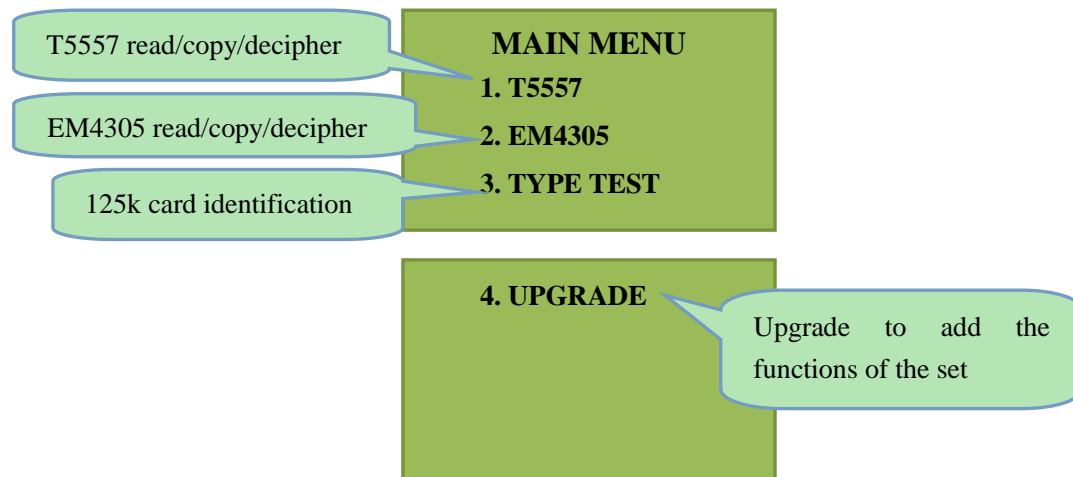
T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig 2.3.1 Main Menu

Step 2: By pressing ▲/▼ to select **EM4305**, and then pressing **ENT**, the set displays as follows as Fig 2.3.2.

Decipher password

Read card with password when a card is set in password mode

Read card without password when a card is set in no password mode

EM4305 MENU
1. PWD TEST
2. PWD READ
3. COPY

Copy

4. READ
5. DATA VIEW
6. PWD VIEW
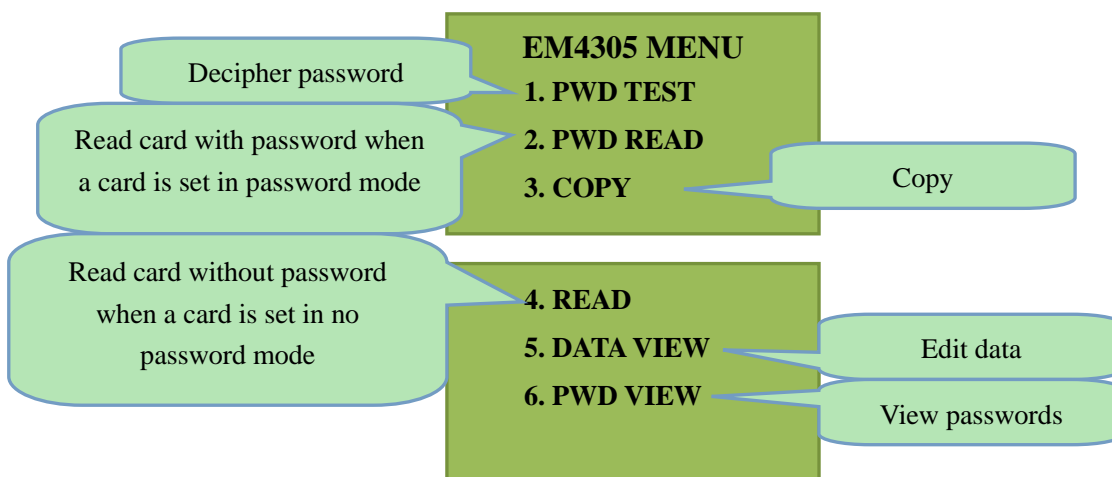
Edit data

View passwords

Fig 2.3.2 EM4305 menu

Step 3: If a card is in no password mode, you must select **READ** and then go to Step5. If a card is in password mode, you must select **PWD READ** and then the set displays as Fig2.3.3 to wait for you to input 8 digits of password.

Attention: If you could not confirm the type of your cards (in password

mode or in no password mode), please to identify the type in the main menu to select TYPE TEST.

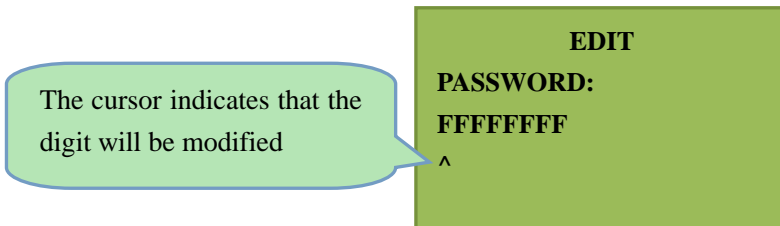The cursor indicates that the digit will be modified

EDIT
PASSWORD:
FFFFFFFF
^

Fig2.3.3 Password Edit

Step 4: Input 8 digits of password. And then put the mother card on the back of the set, **not on the "Antenna Board for deciphering"**, and then press ENT to read the mother card.

Step 5: If reading a card successfully, the set displays as Fig2.3.4, and then you could press ENT or DEL to the last menu. The data will be saved in the set, and is not lost after power off. If you want to view the data again, please select DATA VIEW.

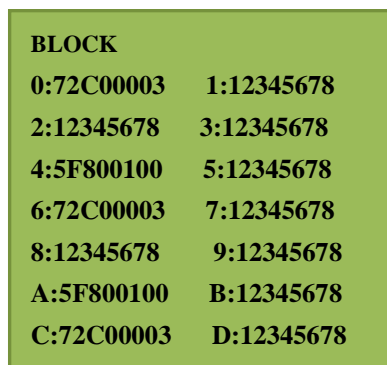BLOCK
0:72C00003   1:12345678
2:12345678   3:12345678
4:5F800100   5:12345678
6:72C00003   7:12345678
8:12345678   9:12345678
A:5F800100   B:12345678
C:72C00003   D:12345678

ERROR

Fig2.3.4 Read successfully   Fig2.3.5 Read fail
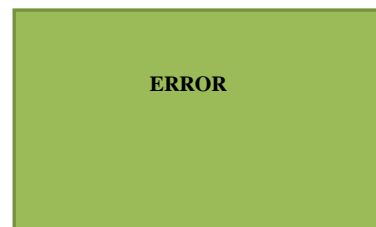
Step 6: Pressing ENT, the set returns to Fig2.3.2, and then please select COPY to enter to Fig2.3.6.
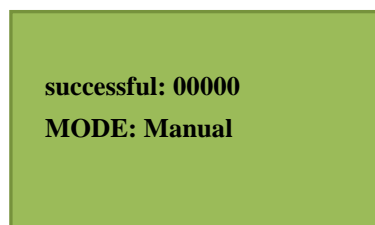
successful: 00000
MODE: Manual

Fig 2.3.6 Copy Menu

Step 7: Put a new card on the back (induction region) of the set, and then press ENT to copy the card.

Attention: The set has two types of copying modes, manual mode or automation mode, you could press ▲ to change the mode.

Manual mode: Press **ENT** to start copying a card.

Automation mode: Start copying after putting a card in the induction region automatically.

If copying successfully, the count will be increased. The count is not lost after the set power off. In the manual mode, the count will be clear pressing ▼.

If copying fail, the set displays ERROR。

2.4 Decipher T5557

Step 1： Connect Antenna Board with the set, please view Fig2.4.5.

Step 2: After power on,, the set displays the main menu as follows as Fig.2.4.1. Pressing ▼ to change selection of the main menu.
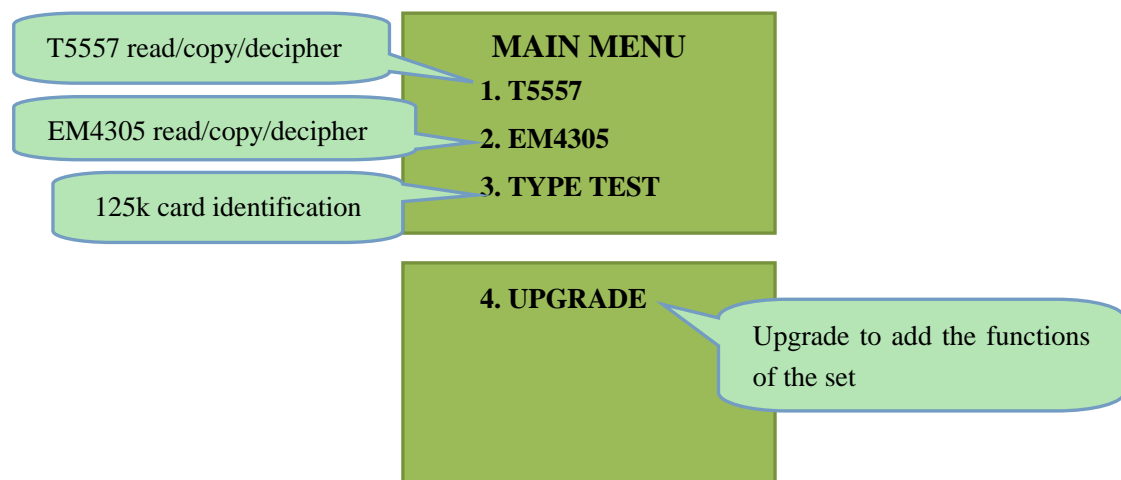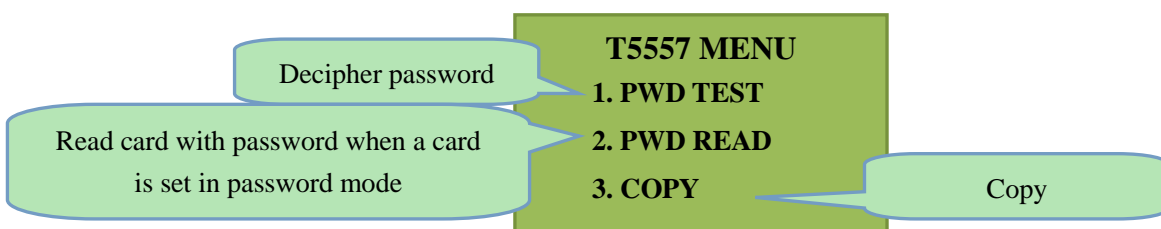
T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig 2.4.1 Main Menu

Step 3: By pressing ▲/▼ to select 1.T5557， and then pressing **ENT**, the set displays as follows as Fig 2.4.2.

Decipher password

Read card with password when a card is set in password mode

T5557 MENU
1. PWD TEST
2. PWD READ
3. COPY

Copy

Read card without password when a card is set in no password mode

4. READ
5. DATA VIEW
6. PWD VIEW

Edit data

View passwords
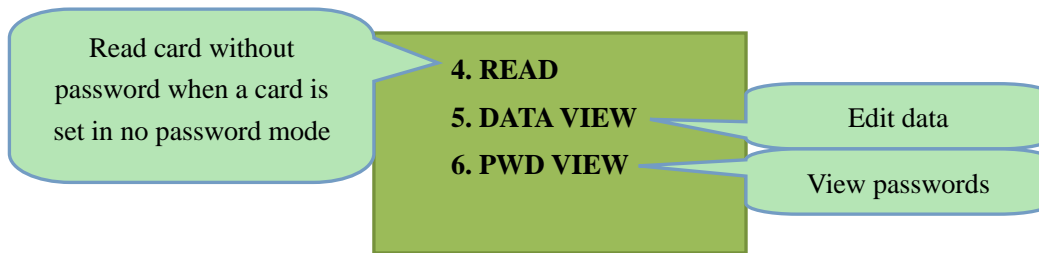
Fig 2.4.2 T5557 menu

Step 4: By pressing ▲/▼ to select **1.PWD TEST**, and then pressing **ENT**, the set displays as follows as Fig 2.4.3, the set starts to deciphering password, and displays "…WAITING…".

…WAITING…

Fig 2.4.3 Deciphering State

Step 5： Put the Antenna Board between the card (to be deciphered) and the reader (application system).

Step 6： Make the application system accesses the card. When the centre LED (Fig2.4.5) lights which means to decipher a password successfully, please press **RST**, and then the set displays as Fig2.4.4. The digits are password. If the set displays ERROR, it means fail.

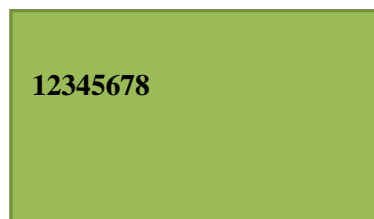If deciphering fail, please try to put the Antenna Board on the card and then try it again.

12345678

Fig2.4.4Decipher successfully

The centre LED lighting means that the set deciphers successfully, and then press.RST to view password.

The reader of application system

Under deciphering, the set displays …WATING…

The card to be deciphered

The antenna board

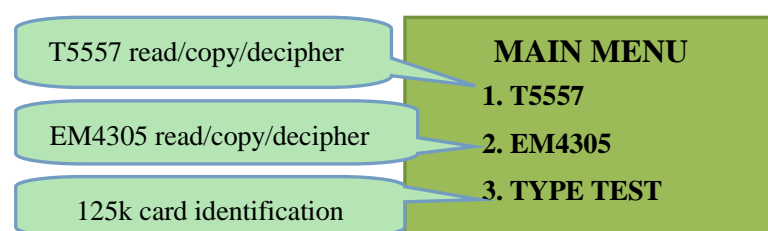Fig2.4.5 The connection of deciphering password

2.5 Decipher EM4305

Step 1：Connect Antenna Board with the set, please view Fig2.4.5.

Step 2：After power on,, the set displays the main menu as follows as Fig.2.5.1.
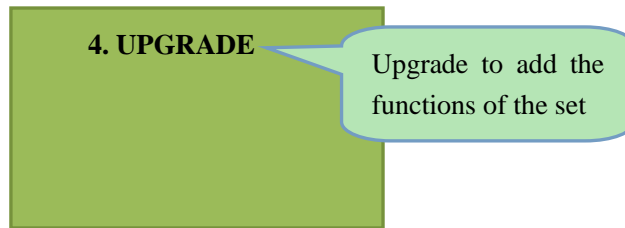
Pressing ▼ to change selection of the main menu.

T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig 2.5.1 Main Menu

Step 3: By pressing ▲/▼ to select **2.EM4305,** and then pressing **ENT**, the set displays as follows as Fig 2.5.2.

EM4305 MENU

Decipher password
1. PWD TEST

Read card with password when a card is set in password mode
2. PWD READ

3. COPY
Copy

Read card without password when a card is set in no password mode
4. READ

5. DATA VIEW
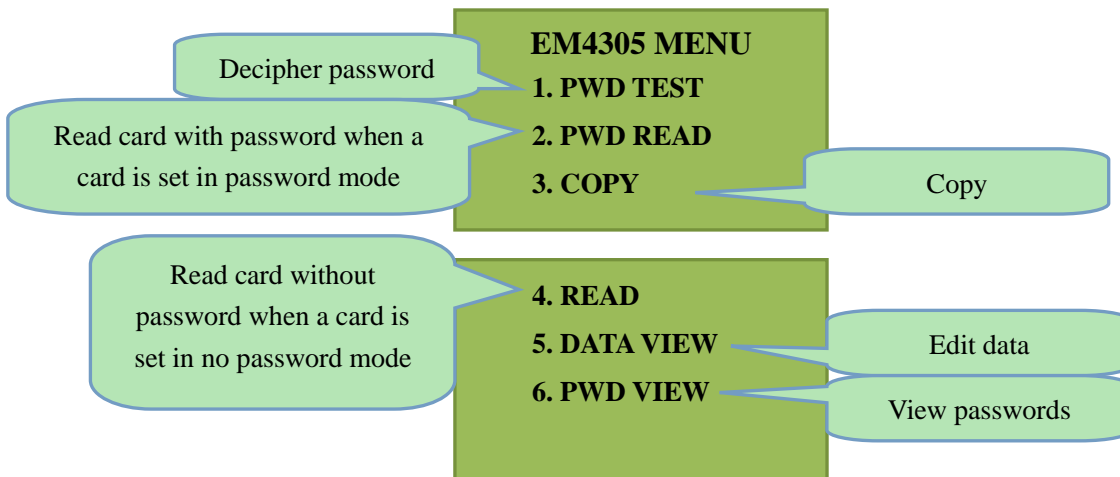Edit data

6. PWD VIEW
View passwords

Fig 2.5.2 EM4305 menu

Step 4: By pressing ▲/▼ to select **1.PWD TEST**， and then pressing **ENT**, the set displays as follows as Fig 2.5.3, the set starts to decipher password, and displays "…WAITING…".

…WAITING…

Fig 2.5.3 Deciphering State

Step 5： Put the Antenna Board between the card (to be deciphered) and the reader (application system).

Step 6： Make the application system accesses the card. When the centre LED (Fig2.4.5) lights which means to decipher a password successfully, please press **RST**, and then the set displays as Fig2.5.4. The digits are password. If the set displays ERROR, it means fail.

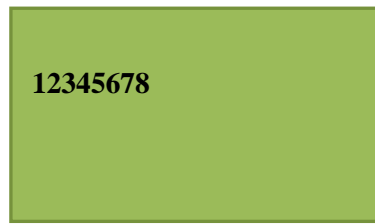If deciphering fail, please try to put the Antenna Board on the card and then

try it again.

12345678

Fig2.5.4 Decipher successfully

2.6 T5557 Edit

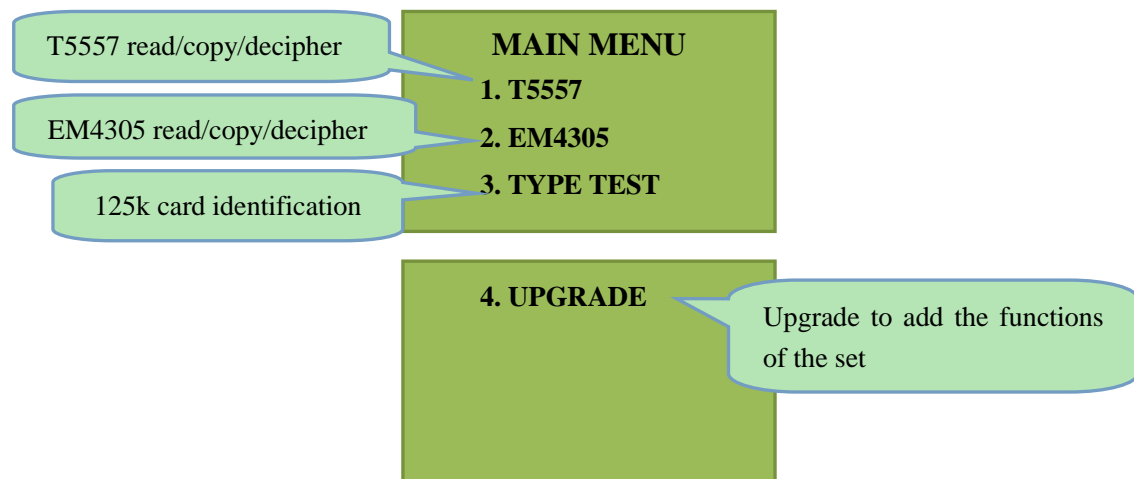**Step 1:** After making the set power on, the set displays as Fig2.6.1 (**MAIN MENU**).

T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig2.6.1 Main Menu

Step2：Please select "**1. T5557**", and then press **ENT** go to Fig2.6.2.

Decipher password

Read card with password when a card is set in password mode

Read card without password when a card is set in no password mode

T5557 MENU
1. PWD TEST
2. PWD READ
3. COPY

Copy

4. READ
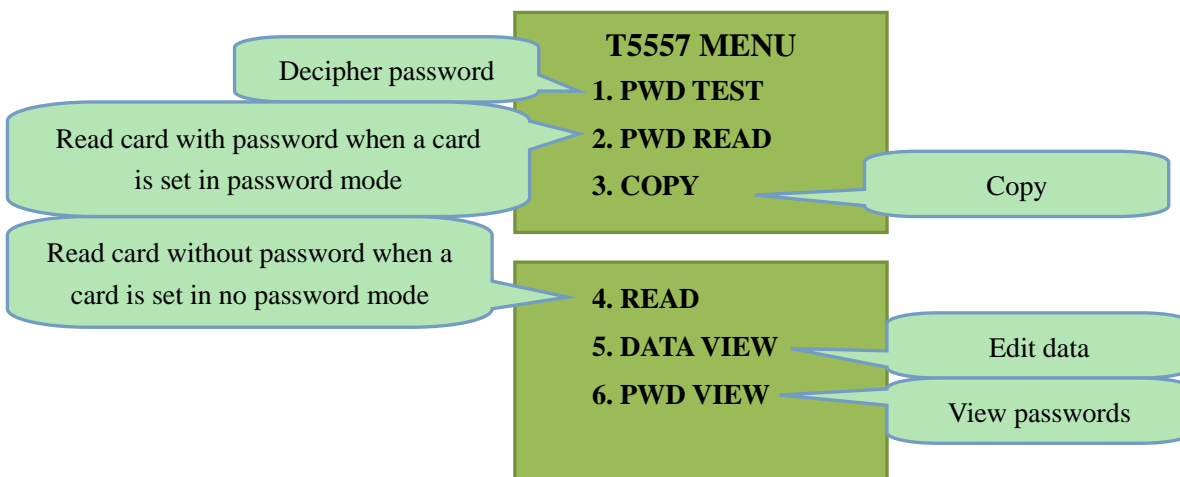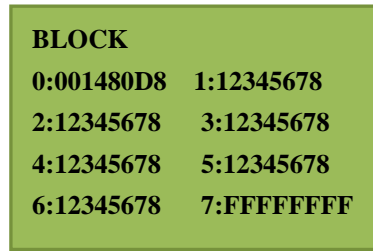**5. DATA VIEW**
6. PWD VIEW
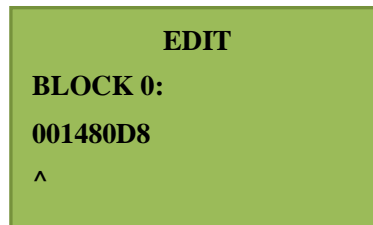
Edit data

View passwords

Fig 2.6.2 T5557 menu

Step3： Please select "5. DATA VIEW" then displays Fig2.6.3.

```
BLOCK
0:001480D8    1:12345678
2:12345678    3:12345678
4:12345678    5:12345678
6:12345678    7:FFFFFFFF
```

Fig2.6.3 Data View

Step4： Press a digit key to select the sector to be viewed, then the set displays Fig2.6.4.

```
              EDIT
BLOCK 0:
001480D8
^
```

Fig2.6.4 Data Edit

Step5： Move the cursor to the digit to be modified, and press **ENT** to save the data and return to Fig 2.6.3.

2.7 EM4305 Edit

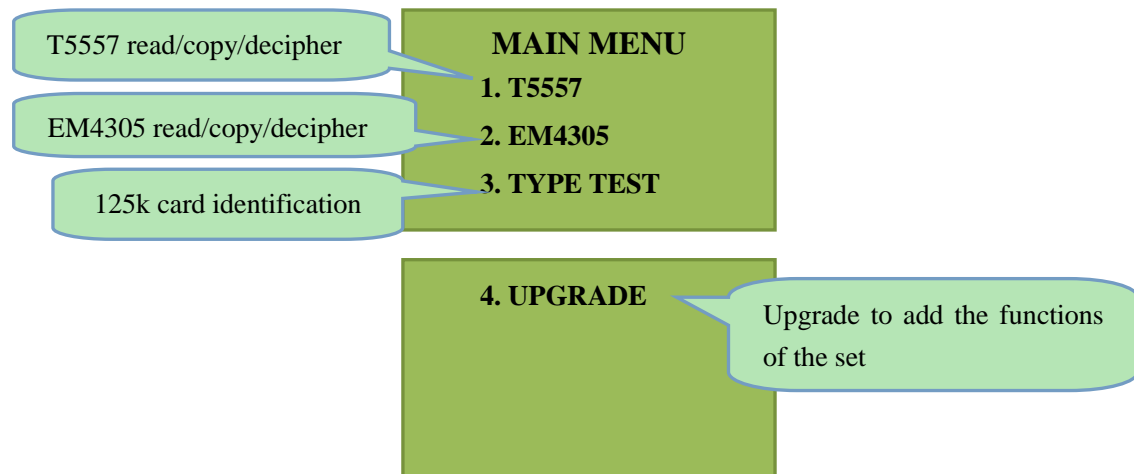**Step 1:** After making the set power on, the set displays as Fig2.7.1 (**MAIN MENU**).

T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

```
         MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST
```

```
     4. UPGRADE
```

Upgrade to add the functions of the set

Fig2.7.1 Main Menu

Step2： Please select "2. EM4305", and then press **ENT** go to Fig2.7.2.

Fig 2.7.2 EM4305 menu

Step3： Please select "5. DATA VIEW" then displays Fig2.7.3.

Fig2.7.3 Data View

Step4： Press a digit key to select the sector to be viewed, then displays Fig2.7.4.

Fig2.7.4 Data Edit

Step5： Move the cursor to the digit to be modified, and press **ENT** to save the data and return to Fig 2.7.3.

2.8 Remote Upgrade

Before upgrading, please connect with us by email (shichengdz@163.com). Please tell us the function to be upgraded and pay the money of the function to us.

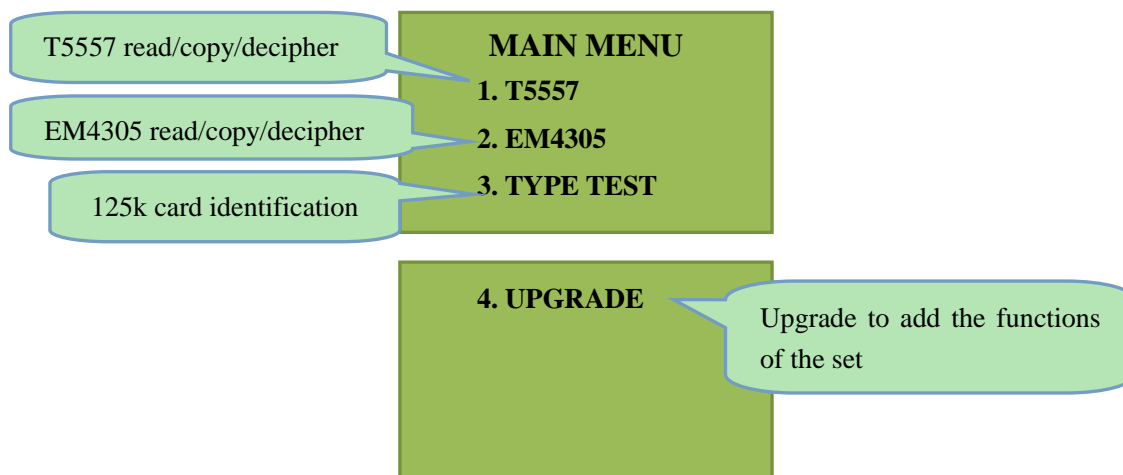**Step 1：** After making the set power on, the set displays as Fig2.8.1 (**MAIN MENU**).

T5557 read/copy/decipher

EM4305 read/copy/decipher

125k card identification

MAIN MENU
1. T5557
2. EM4305
3. TYPE TEST

4. UPGRADE

Upgrade to add the functions of the set

Fig2.8.1 Main Menu

Step 2：Please select "4. UPGRADE", and then press ENT go to Fig2.8.2.

UPGRADE
KEY:
01 02 03 04 05 06 07 08
PWD:
00 00 00 00 00 00 00 00
^

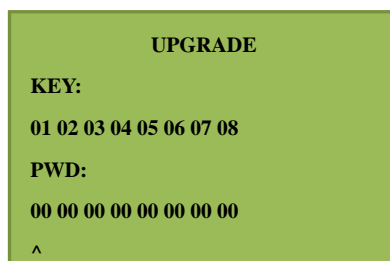图 2.8.2 Remote Upgrade

Step 3：Please send the 16 digits behind KEY to us (Guangzhou Setchief Electronics Technology Company).

Step 4: When we receive your data, we shall sent another 16 digits to you, please input these digits under PWD by digit keys.

Step 5：Press ENT，if the set displays OK, the upgrading is successful. If the set displays error, the upgrading is fail, please try it again.

3. Normal Questions

3.1 "READ" and "PWD READ"

T5557 and EM4305 cards could be set in password mode or in no password mode. Please view T5557.pdf. The setting is written by application system of the card so that we could not change. When we read a card, we have to select the same mode (in password mode or in no password mode) to read the card. If you do not know the mode

of a card, you could test the card by "TYPE TEST".

3.2 In Password Mode and in No Password Mode

From T5557.pdf and EM4305.pdf, we know that T5557and EM4305 cards are in password mode (PWD bit set as 1) or in no password mode (PWD bit set as 0). The setting is written by application system of the card so that we could not change. Only in this case of a card has been set in password mode, the card has a password so that the card could be deciphered by the set.

If a card has been set in no password mode by application system, the card could be encrypted by its UID algorithm normally, so that the copying cards from a mother card could not work well.

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