

125 kHz USB RFID ID Card Reader Writer Instruction



Introduction:

RFID (Radio Frequency Identification) is a technology that uses electromagnetic fields to identify objects in a contactless way; it is also called proximity identification. There are two elements in **RFID** communications: the **RFID** module (or reader/writer device) and an **RFID** card (or tag).

Card/Tag: composed by coupling components and chip, every tag has only electronic coding, adhere to the target object identifier

Reader/Writer: equipment used to read (sometimes can write) tag information; can be designed for handheld or stationary.

RFID Reader is desktop readers are smart modules without touching based on international standard agreement **ISO14443A**, It is very easy to Secondary development by this device. High capability, anti-jamming, small size and good quality, which brings more convenience.

Packing List:

- RFID Reader Writer Unit - 1 UNIT
- Mini USB Cable - 1 PCS
- 125 kHz ID Cards (Rewritable / Clone) - 5 PCS
- 125 kHz ID Key Fob (Rewritable / Clone) - 5 PCS

Specification:

- **Model** : USB Reader ID
- **Frequency** : 125kHz
- **Supported Card/Tag** : EM4100/EM4001/EM4102, TK4100, EM4305, T5577, T5557, T5566 or compatible ISO cards/tags
- **Size** : 9.5cm×6cm×1.2cm
- **Color** : Black
- **Interface** : USB
- **Power Supply DC** : 5V
- **Operating Distance** : < 3cm
- **Weight** : 32 gram
- **Cable length** : 1m
- **Material of reader** : Plastics
- **Operating System** : Win XP, Win 7, Win 8 & Win 10
- **Indicators** : Buzzer & LED (Red & Yellow)

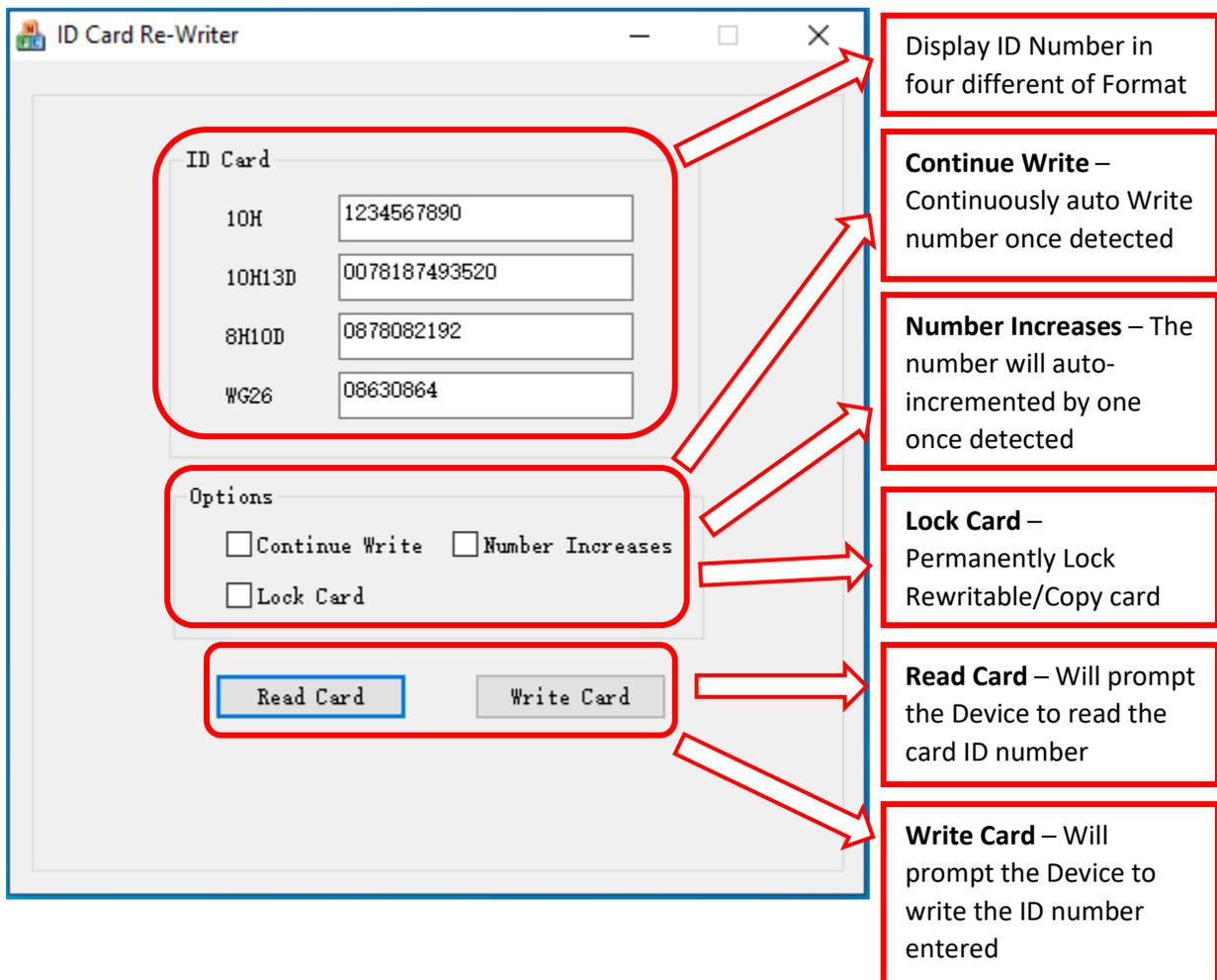


Manual / Guide

A). Software Interfaces

1. Download the software from link provided below.
2. Launch the program 'ID Card Re-Writer.exe', a small popup window will display as below.
3. Driver will install automatically on connected with PC.
4. ID Card Re-Writer V2.0 Program.

(<https://home.mycloud.com/action/share/fdaf88ba-e05c-4510-ab63-0f85ed51f570>)



The screenshot shows the 'ID Card Re-Writer' application window. It features a table for card types and their corresponding ID numbers, a section for options with checkboxes, and two main buttons: 'Read Card' and 'Write Card'. Red boxes and arrows highlight these elements, with callout boxes providing detailed explanations for each.

ID Card	10H	10H13D	8H10D	WG26
	1234567890	0078187493520	0878082192	08630864

Options

Continue Write Number Increases
 Lock Card

Buttons: Read Card, Write Card

Callouts:

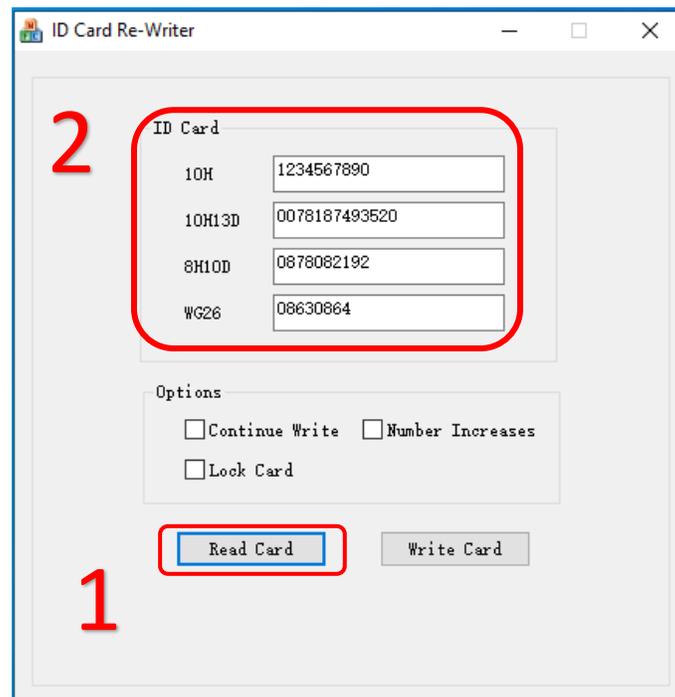
- Display ID Number in four different of Format** (points to the ID Card table)
- Continue Write –** Continuously auto Write number once detected (points to the Continue Write checkbox)
- Number Increases –** The number will auto-incremented by one once detected (points to the Number Increases checkbox)
- Lock Card –** Permanently Lock Rewritable/Copy card (points to the Lock Card checkbox)
- Read Card –** Will prompt the Device to read the card ID number (points to the Read Card button)
- Write Card –** Will prompt the Device to write the ID number entered (points to the Write Card button)

B). Reading Card ID using the Provided Program

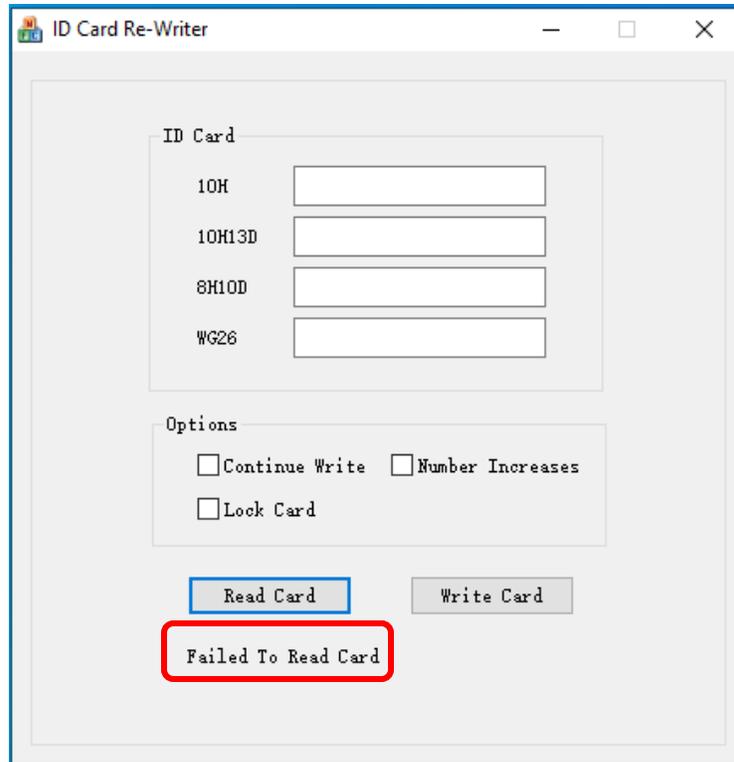
1. Connect the RFID Reader Writer to PC and launch the '**ID Card Re-Writer.exe**' program.
2. Place the 125 kHz Card on the top of Reader.



3. Click on the '**Read Card**' button in the program, the device will beep & the yellow LED will flash once. The program will display your ID number in all supported format, 10H, 10H13D, 8H10D & WG26.



4. If the device fail to Read the Card ID it will beep twice & the program will display “Fail to Read Card”.



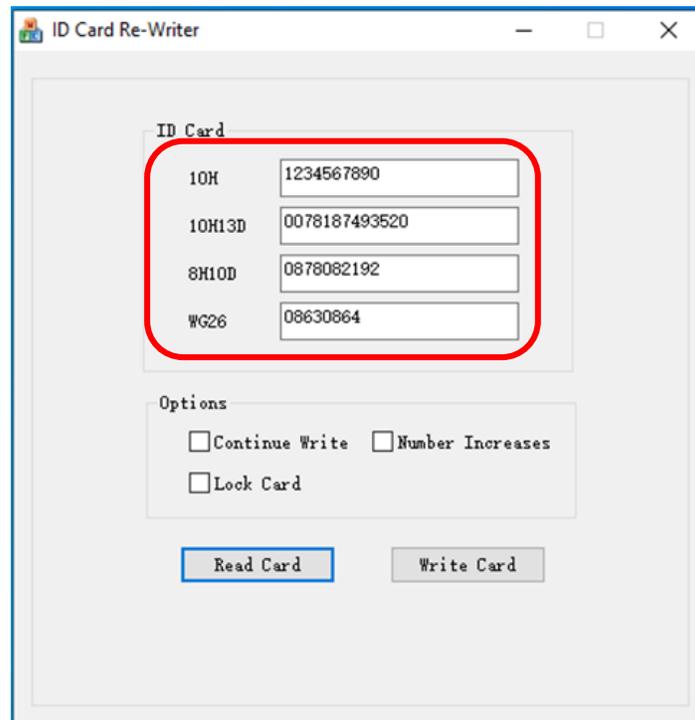
5. Note that if you test it with brand new Rewritable or Clone Card/Tag it will normally fail to read them. This is because **RFID 125kHz Clone Card & Tags** come with **'000000000'** (invalid ID in most reader) or **Blank No Digit**. Write the 10 Digit ID first before use (can be random or from other card/tag).

C). Writing Card ID using the provided Program

1. Connect the RFID Reader Writer to PC and launch the **'ID Card Re-Writer.exe'** program.
2. There are two ways to write the ID to Card:-

I. Key-In ID numbers manually

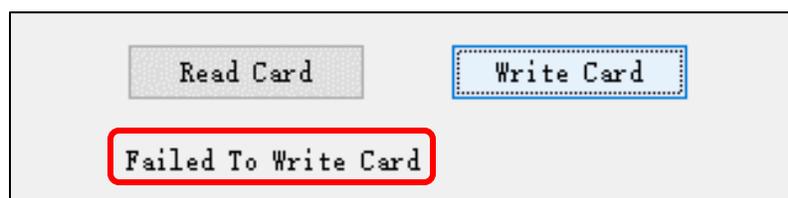
Enter your ID number inside the respective format either the 10H, 10H13D, 8H10D & WG26.



II. Duplicate ID numbers from other Card

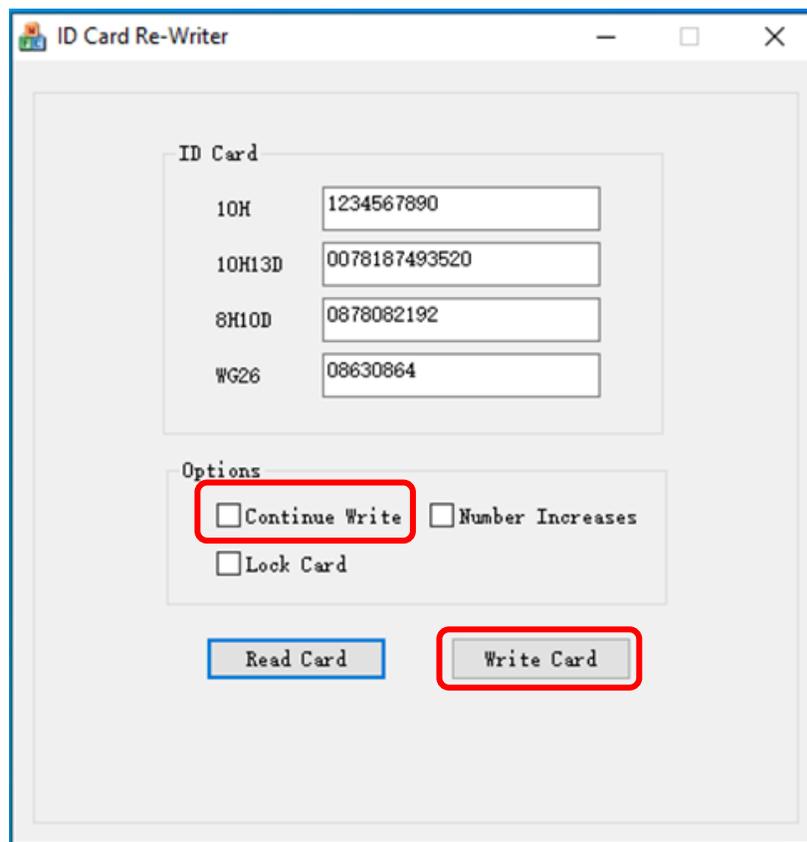
Scan other ID card as [previous guide](#) to get the ID.

3. Place the 125 kHz RFID Read/Write Card on the Reader. Click on **'Write Card'** the device will beep & the yellow LED will flash once to indicate Write/Duplicate successful.
4. You can re-scan the card to confirm if ID already written.
5. If the Device fail to write the Card ID it will beep twice & the program will display **"Fail to Write Card"**.



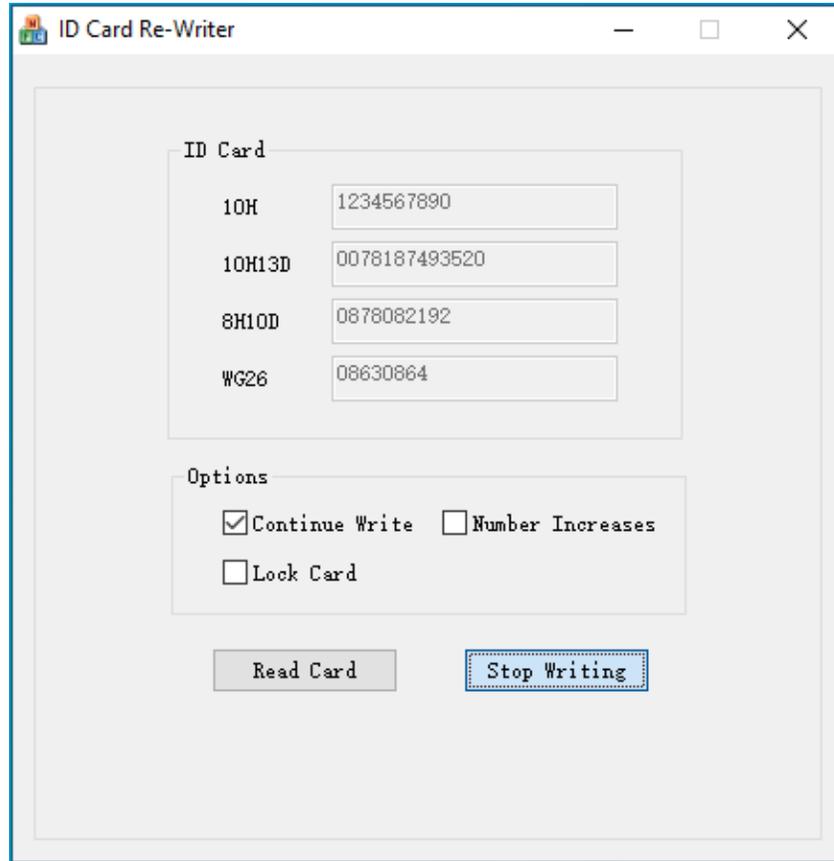
D). Continuous ID write mode

1. This option will allow the user easily duplicate ID number in bulk.
2. Connect the RFID Reader Writer to PC and launch the 'ID Card Re-Writer.exe' program.
3. Write the ID number [manually](#) or [duplicate](#) it from other card.
4. Tick the "Continue Write" check box & click the "Write Card" button to start.



5. Tap any 125 kHz RFID Read/Write Card on the Reader to write. User will no longer need to click on "Read Card" button since the device will automatically write the ID whenever card detected.

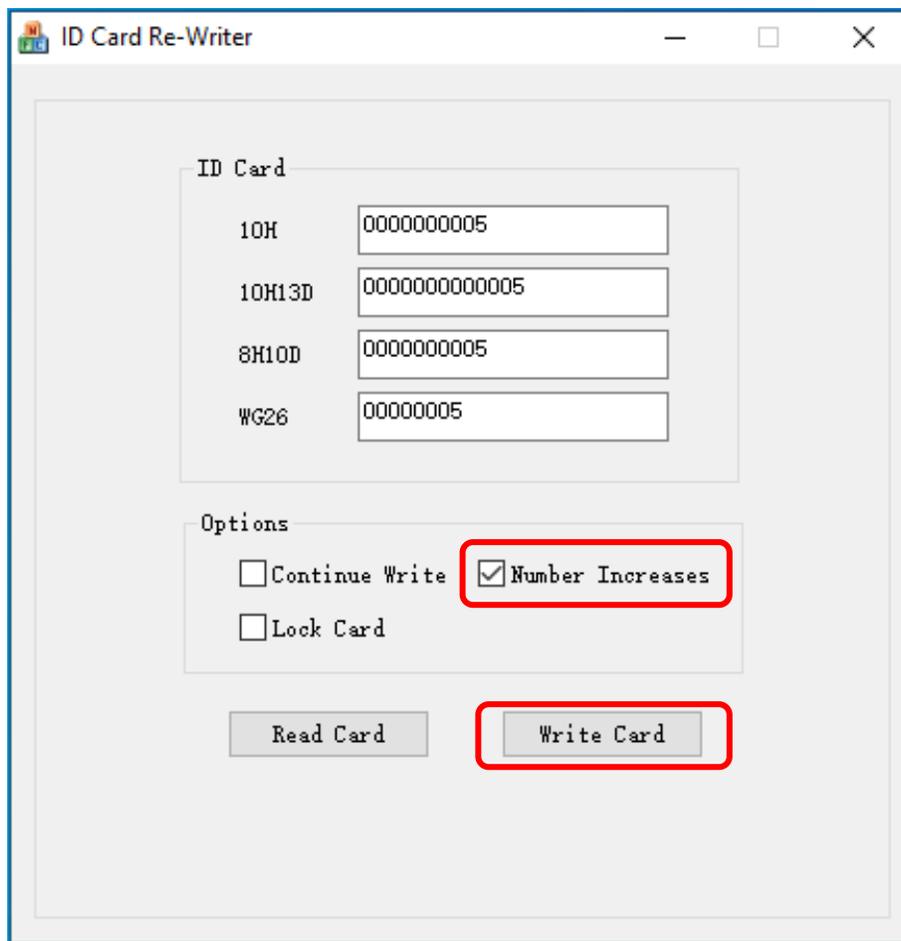
6. Click on **“Stop Writing”** to stop the process.



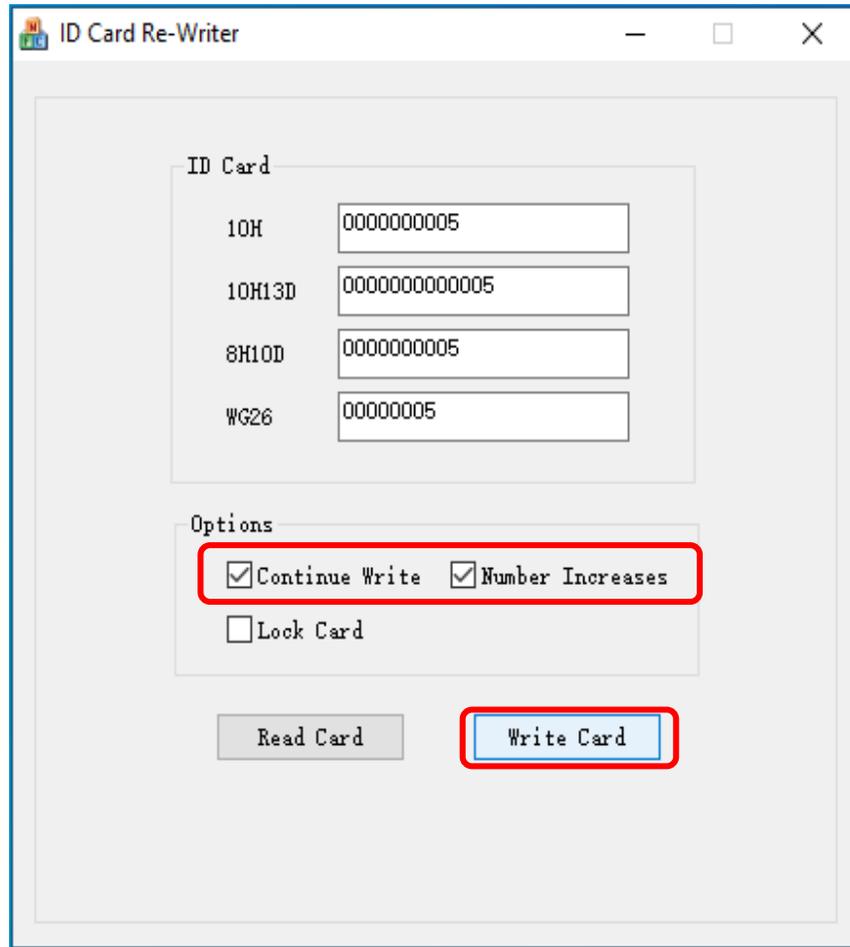
7. Note that when using this mode user must enter / scan ID number first before use. To change other ID user must stop the process first.

E). Auto Increase ID Numbers

1. This option will increment your ID number by one digit. For example, the first card number is “0000000001” once the user swap other cards it will add one digit, and “0000000002” is the ID for the next card.
2. Connect the RFID Reader Writer to PC and launch the ‘ID Card Re-Writer.exe’ program.
3. Write the ID number [manually](#) or [duplicate](#) it from other card.
4. Tick on “**Number Increases**” and click on “**Write Card**” to begin. Once user click on “**Write Card**” the ID number will start increase by one digit.



- Alternatively, user can tick both the **“Continue Write”** and **“Number Increase”** check box. This will combine both operation.
- The device will automatically increment any clone card whenever user tap it.



- Click on **“Stop Writing”** to exit this mode.
- Note that when using this mode user must enter / scan ID number first before use. To change other ID user must stop the process first.