

## 125kHz 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 2 elements in **RFID** communications: the **RFID** module (or reader/writer device) and an **RFID** card (or tag).

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

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

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

**Packing List:**

- 1 x Card Reader/Writer
- 1 x USB Cable
- 5 x IC Cards (125kHz Read Write)
- 5 x Key Fob (125kHz Read Write)
- 1 x CD

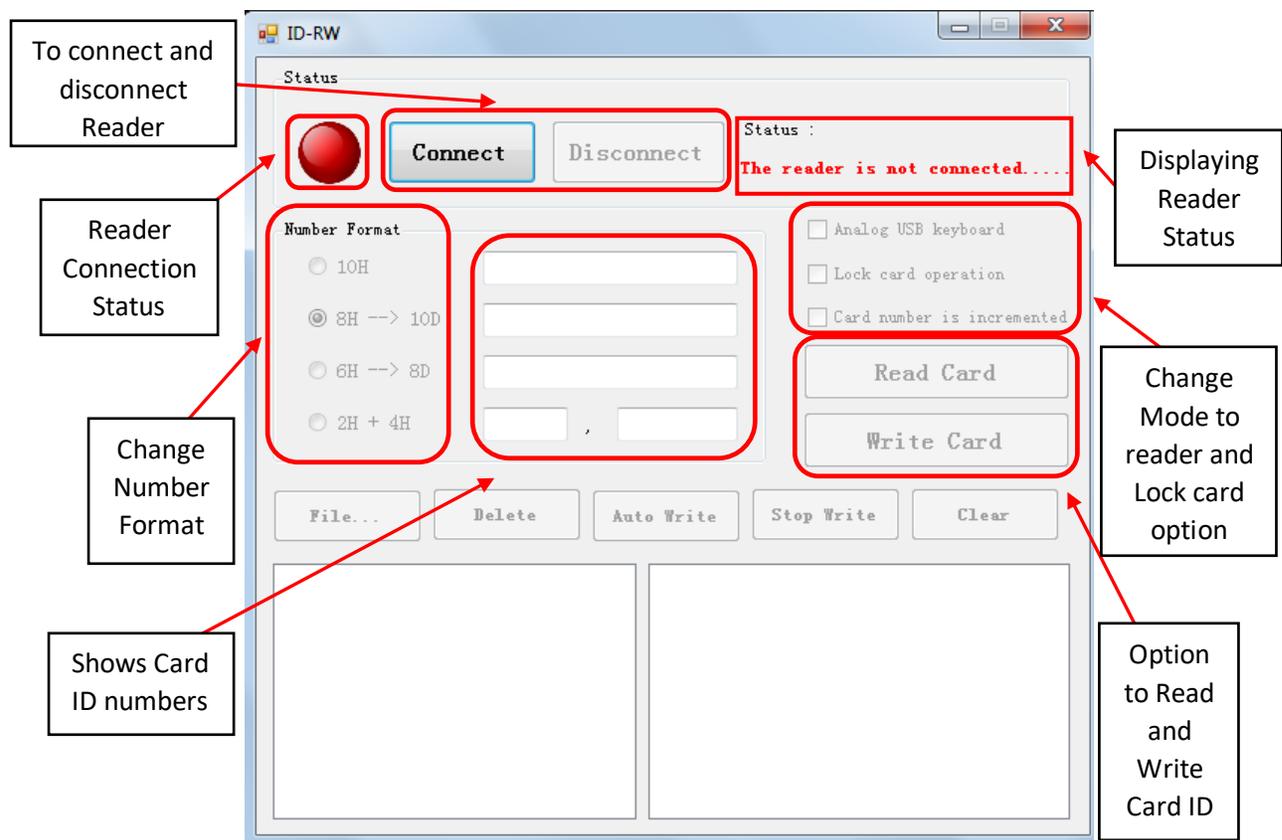
**Specification:**

- **Model** : USB-203
- **Frequency** : 125kHz
- **Supported Card/Tag:** EM4100/EM4001/EM4102, TK4100, EM4305, T5577, T5557, T5566 or compatible ISO cards/tags
- **Size** : 9.5cm×6cm×1.2cm
- **Colour** : Black
- **Interface** : USB
- **Power SupplyDC** : 5V
- **Operating Distance** : 0cm-3cm (related to the card or the environment)
- **Weight** : 32 gram
- **Cable length** : 1m
- **Material of reader** : Plastics
- **Operating System** : Win XP, Win 7, Win8 & Win 10
- **Indicators** : Buzzer & LED (Red, Green & Yellow)

## Guide:

### (A). Setup the RFID Reader & Writer with PC:

1. Connect the RFID reader writer to computer using the provided USB cable. Note that the reader may install driver automatically when connected to PC.
2. Insert the CD given into PC and Open the **ID-RW-NO-Drive-EN.exe** application. A New application window will pop up as step number 3 below.
3. Program Description.

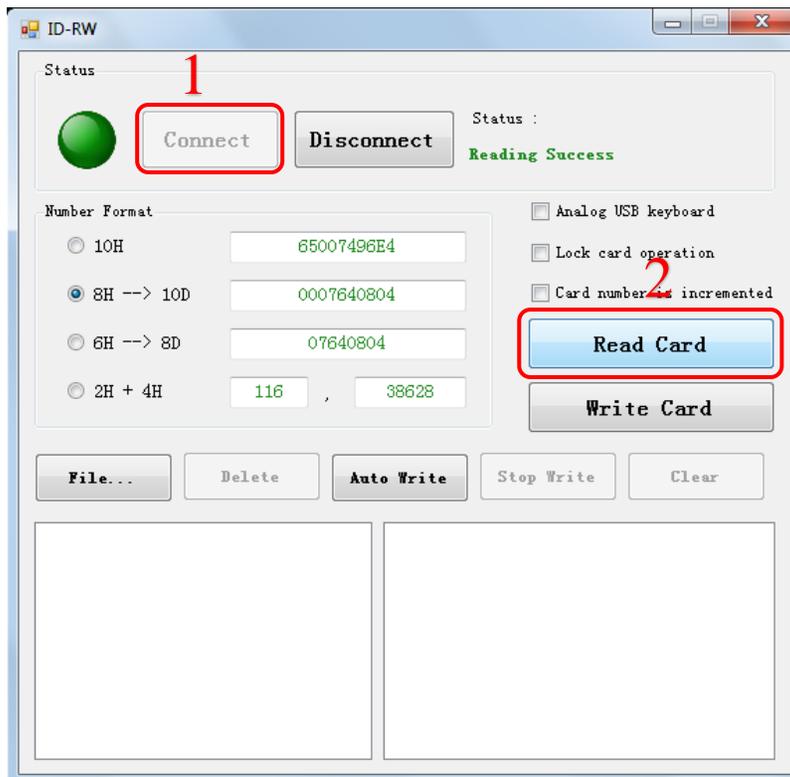


**(B). Reading Card ID using the Reader and provided Software:**

1. Connect the RFID Reader & Writer to PC and Open **ID-RW-NO-Drive-EN.exe** application / software provided, same as earlier step (A) above.
2. Place the 125kHz RFID Read/Write Card on the Reader.



3. On **ID-RW-NO-Drive-EN** application / software click on **Connect** button. After the reader Status show '**Reader connection is successful**' click on **Read Card**, the card ID will be displayed.

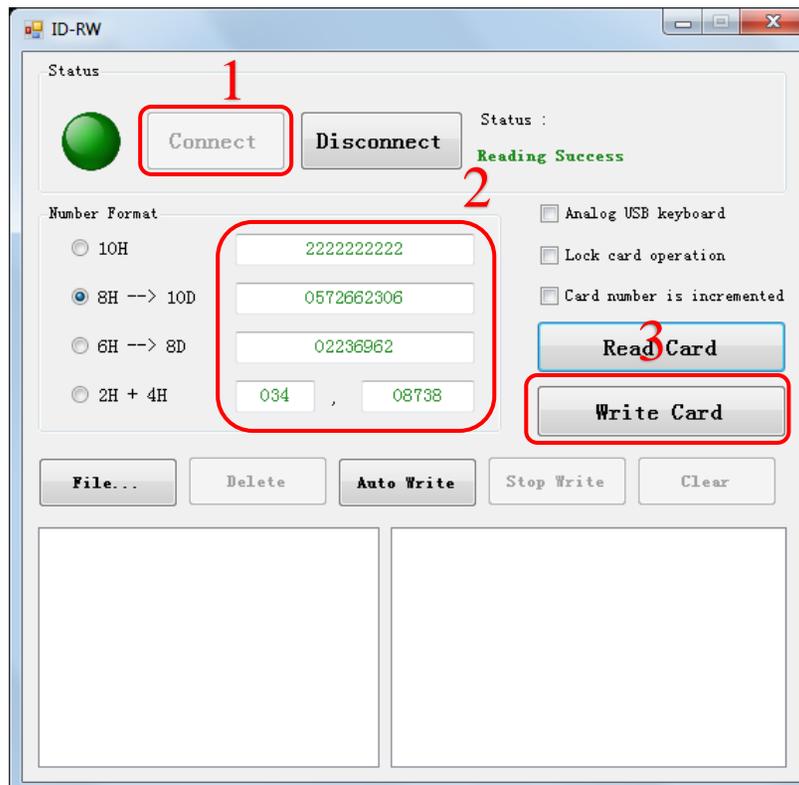


### (C). Writing Card ID using the Reader and provided Software

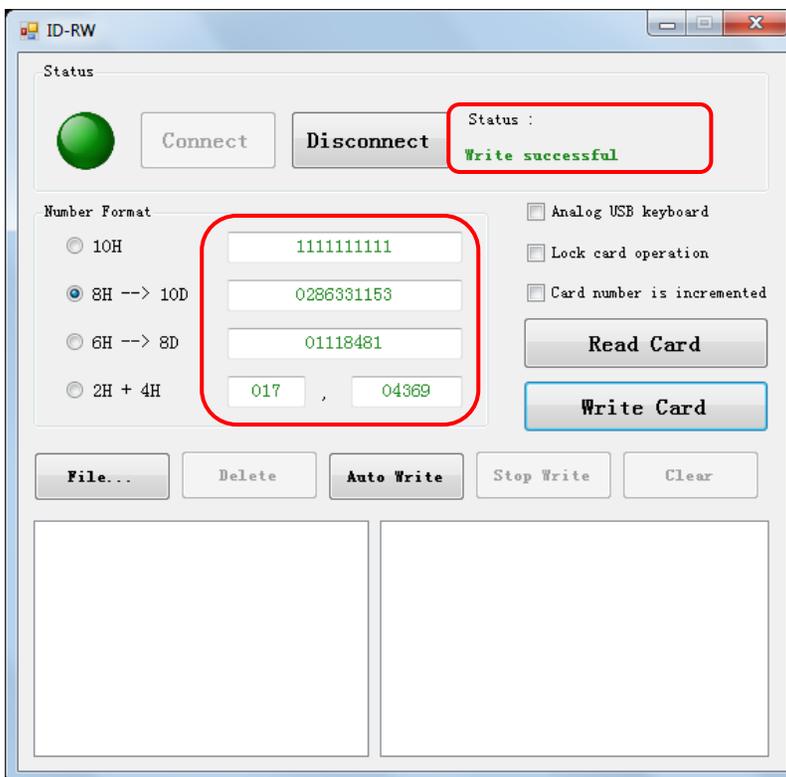
1. Connect the RFID Reader & Writer to PC and Open **ID-RW-NO-Drive-EN.exe** application / software provided, same as earlier step (A) above.
2. Place the 125kHz RFID Read/Write Card on the Reader.



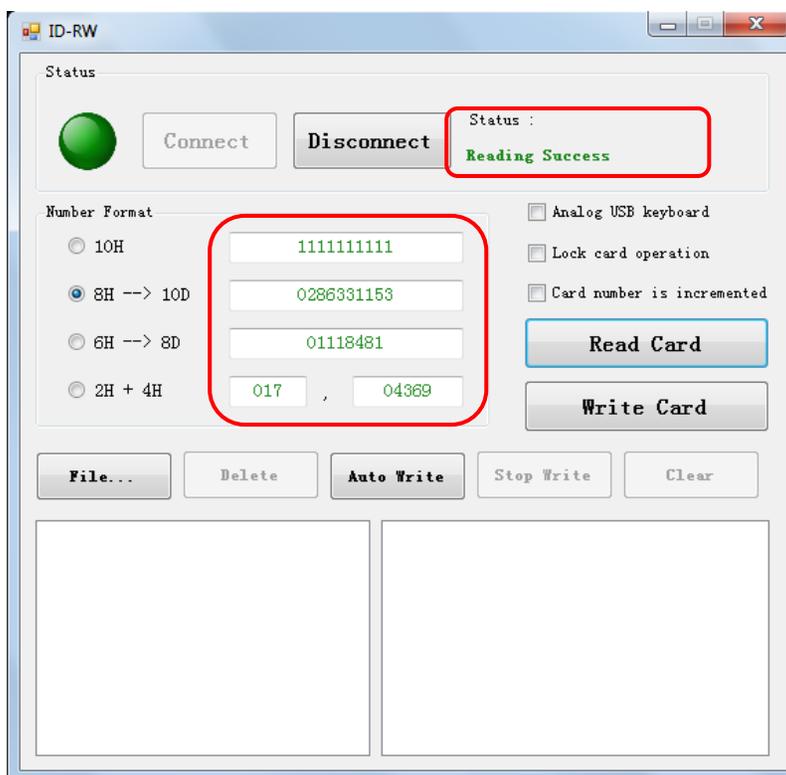
3. On **ID-RW-NO-Drive-EN** application / software click on **Connect** button. After the reader Status show '**Reader connection is successful**'. Fill in the 10H box with the new ID that want to be changed. Click on **Write Card** to start writing new value to Card.



4. If the reader was successfully written the new value to the card, the '**Write Successful**' text will be displayed and you may check the card by repeating Step (B).



Re-check values after changing:-

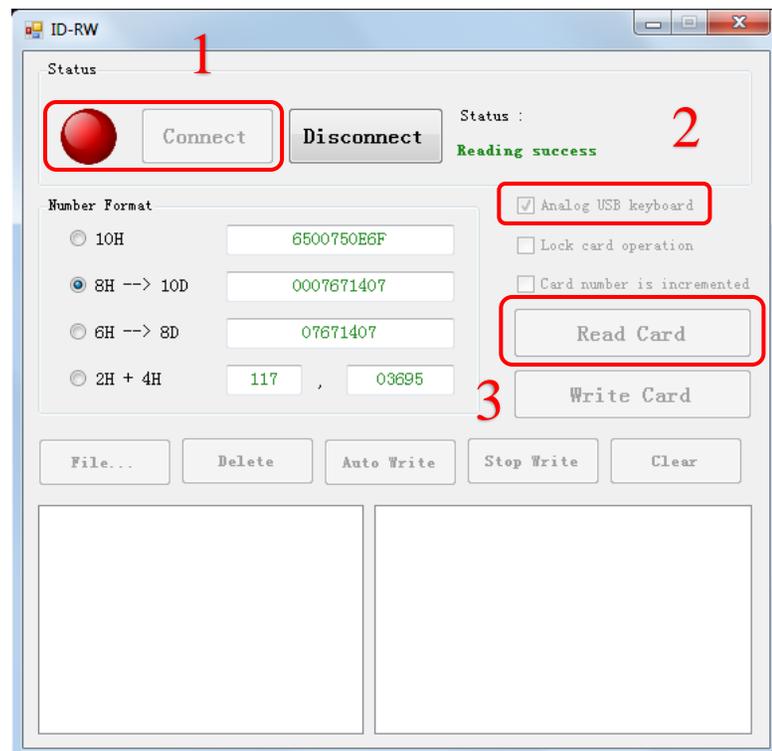


**(D). Change to Automatic Reader Mode:**

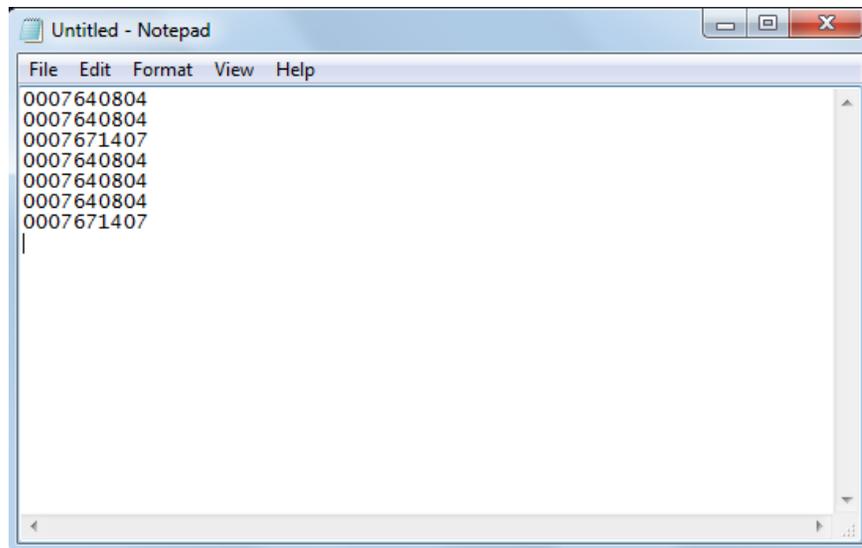
1. Connect the RFID Reader & Writer to PC and Open **ID-RW-NO-Drive-EN.exe** application / software provided, same as earlier step (A) above.



2. On **ID-RW-NO-Drive-EN** application / software click on **Connect** button. After the reader Status show '**Reader connection is successful**' check the **Analog USB Keyboard** option box. Next, click on Read Card the reader LED indicator should flashing.



3. Open any text writing software (example: Notepad, Excel, Word & WordPad) and click on area you want to write it.



4. Place the any 125kHz cards or Tags to get the card ID.



5. Click disconnect to stop using automatic reader mode.

### **Applications:**

- Access Control
- Parking Systems
- Prepaid Parking
- Ticketing
- Time and Attendance
- Admission Control
- POS system