RFID_tool Software User Guide

This software could only run on Windows OS.

Download and Install

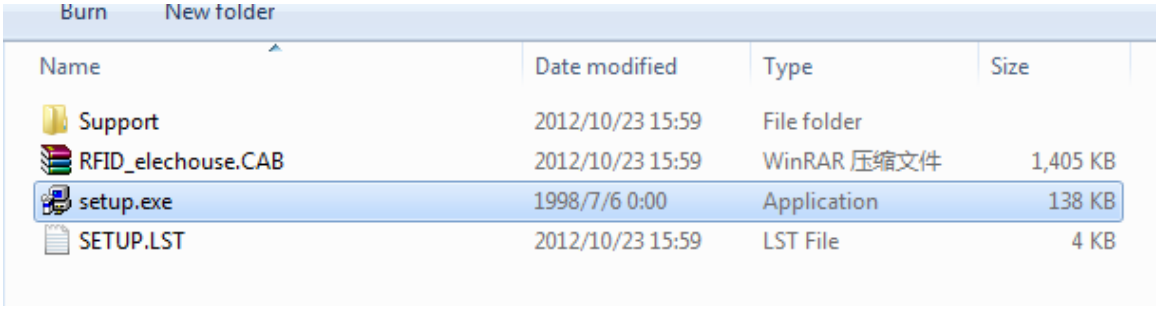
Please lick here to download it: RFID_tool.zip

Note:

1. Anti-virus software might treat it as virus. Please add it in its white list.
2. RFID_elechouse_green_version.exe is green. You could double click it to run, without installation. But it needs the support of ActiveX on your PC. If you can't run it, please install full version.
3. Please ignore any confliction error during installation.
4. If it couldn't run after installation (usually because of anti-virus software), please restart your PC.
5. As source code is available, we don't guarantee the safety to your PC if you download from other source.

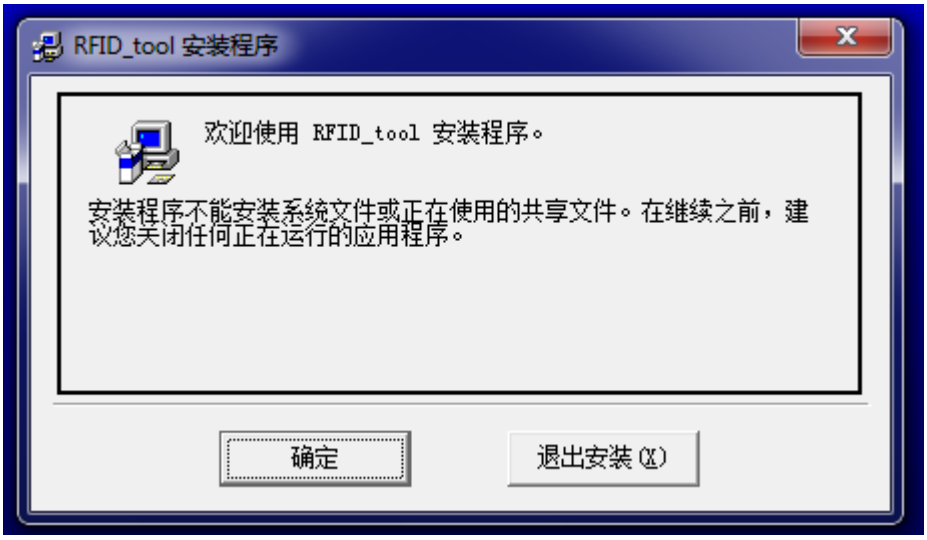
Step 1

*Double click the setup.exe in the folder **RFID_tool_install_version***



Step 2

Click "OK" to continue

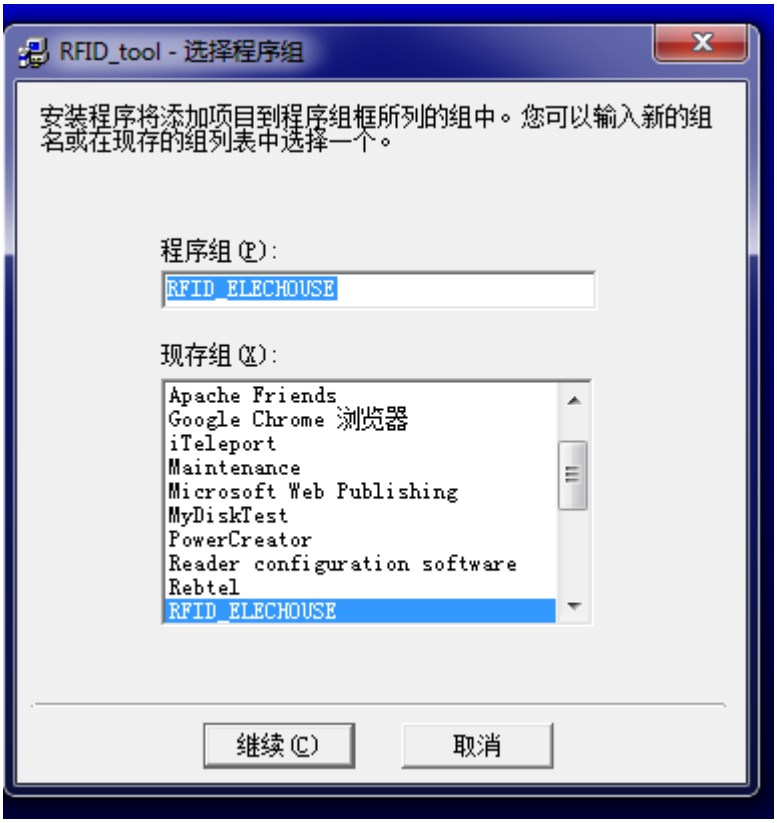


Step 3

Click the installation button in the read box shown in the picture below

Step 4

Click "Continue"



Step 5

A confliction error might occur here. Usually on you windows os there is an MSCOMM32.OCX file under:

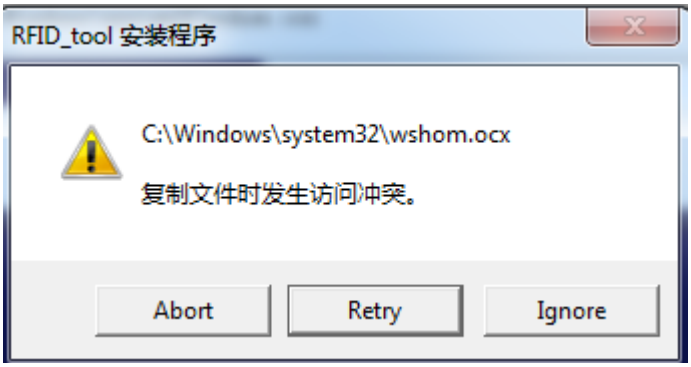
- *Windows 95/98/Me C:/Windows/System*
- *Windows NT/2000 C:/WINNT/System32*
- *Windows XP/WIN7 C:/Windows/System32*

If on your PC this file exists, this error might occur while your MSCOMM32.OCX file is newer than the one in the software.

Please click "Yes" to keep your file.

Step 6

The following conflict error might occur. Just Ignore it.

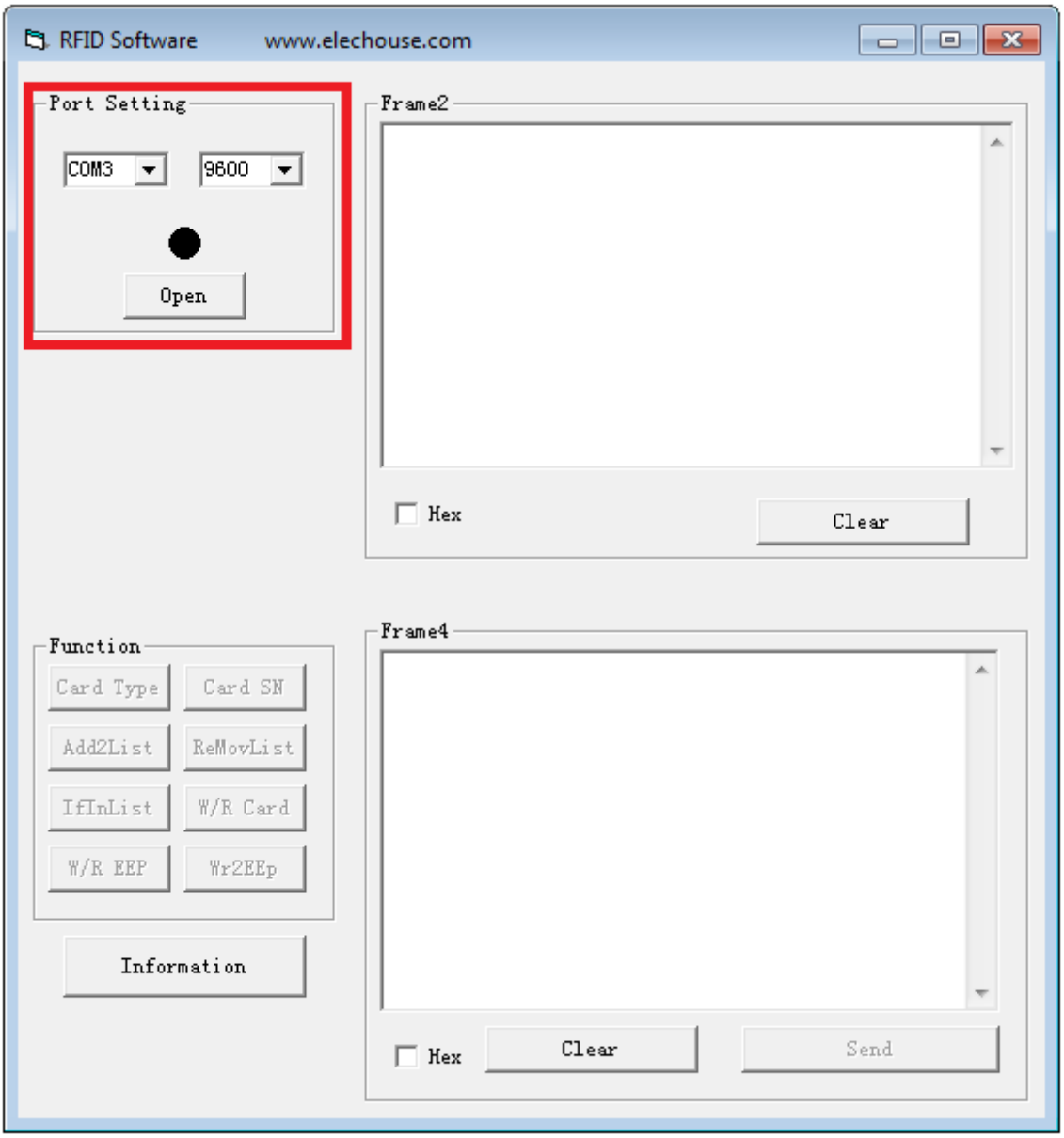


Then the installation is done.

Software Usage Guide

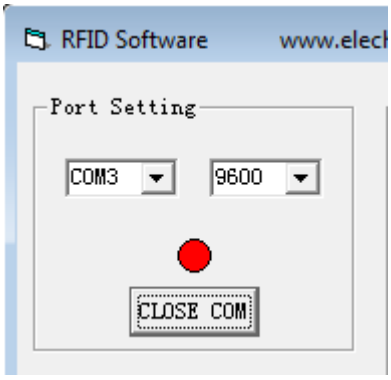
Start the software

Double-click the software to start it.

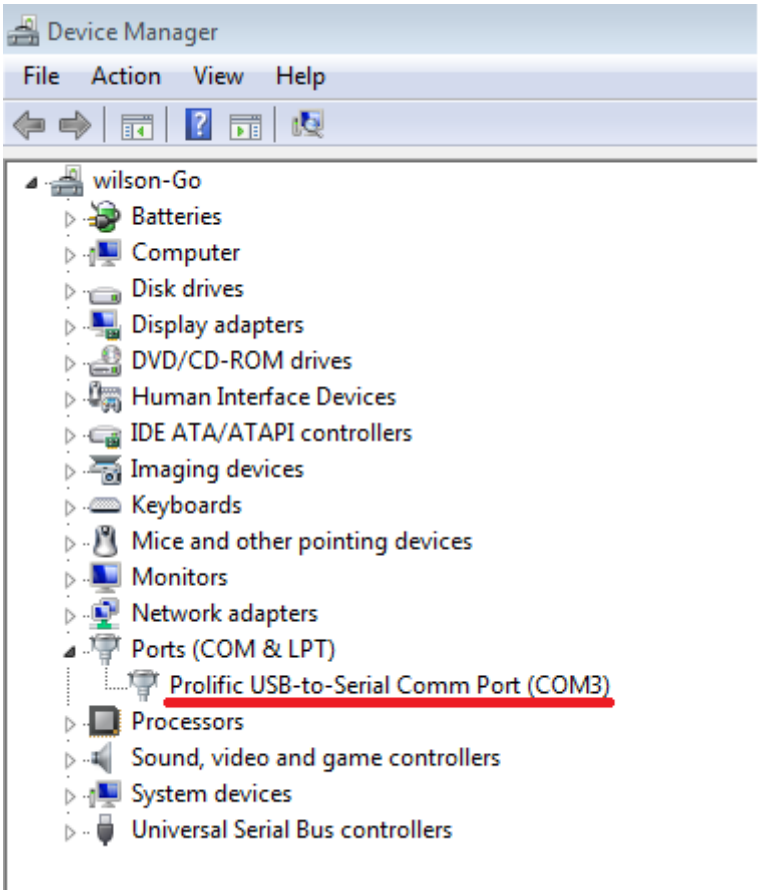


Choose the COM port number and the baud rate, and then click open.

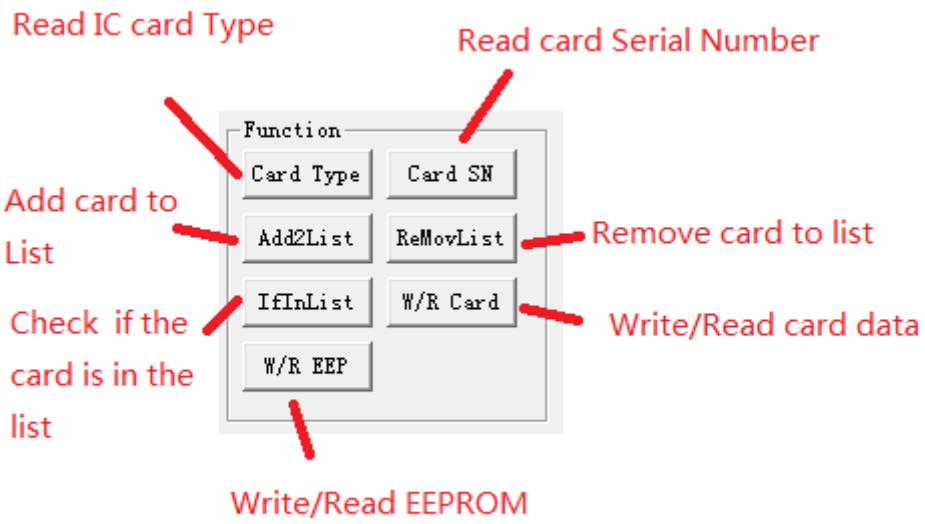
The circle will become red.



*You could find the COM number in **Device Manager**:*



Function Test

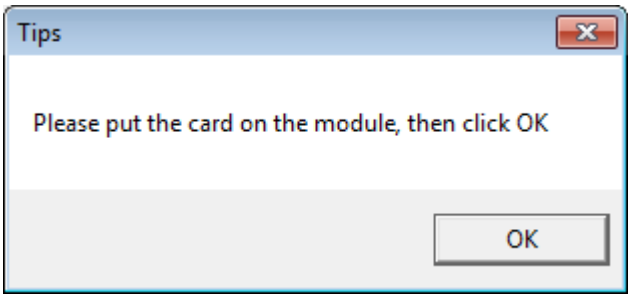


We will show how to test the functions one by one. We will give the commands corresponding to the buttons. You could refer to the Manual for more information.

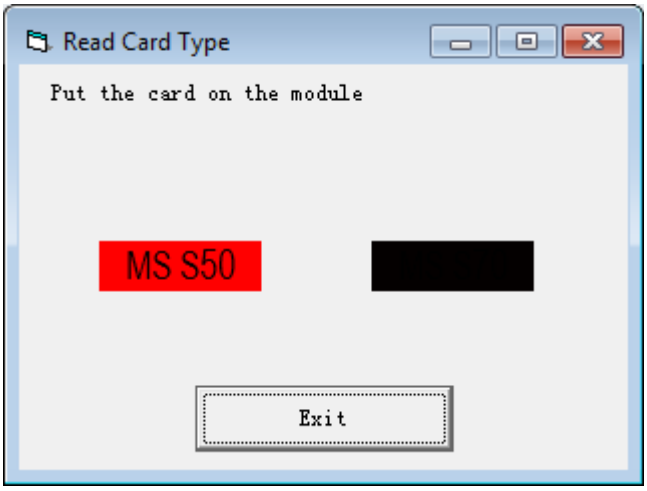
Card Type

*This command refers to the command **AB 02 01***

Click the button and you will get the following prompt:



*Now please put the IC card on the module. After you click "OK", the software will send **AB 02 01** to this RFID module. You could get the following result:*

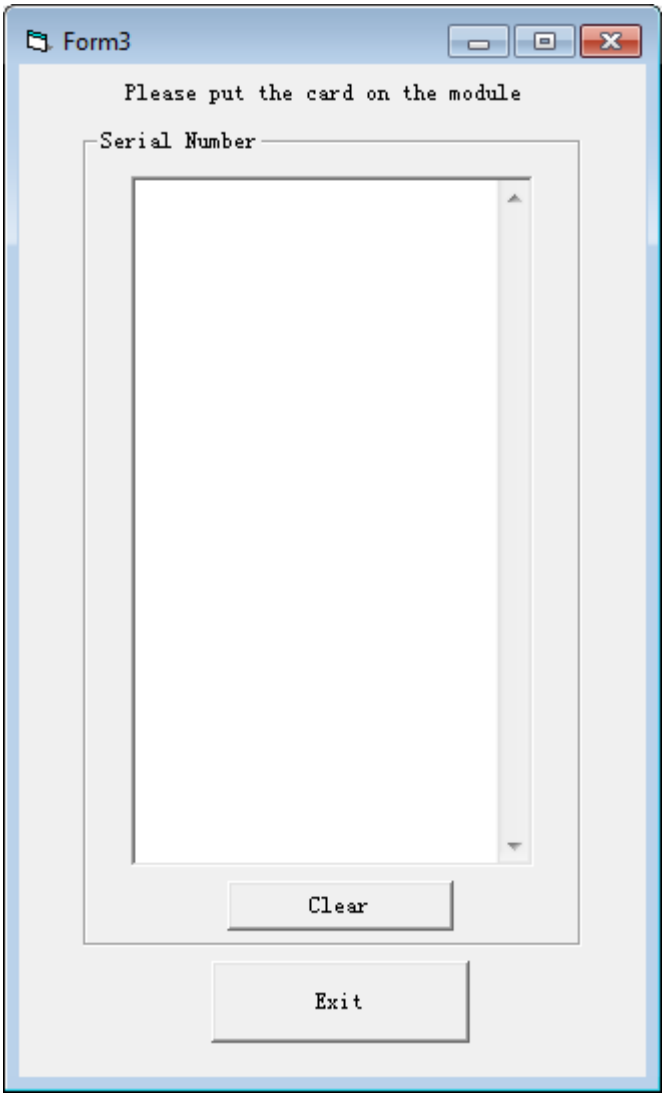


Please note if you need to read a second card, you have to repeat all the steps above.

Card SN

*This command refers to the command **02***

*Click this button, the software will send **02** to the RFID module. You will get the following window:*

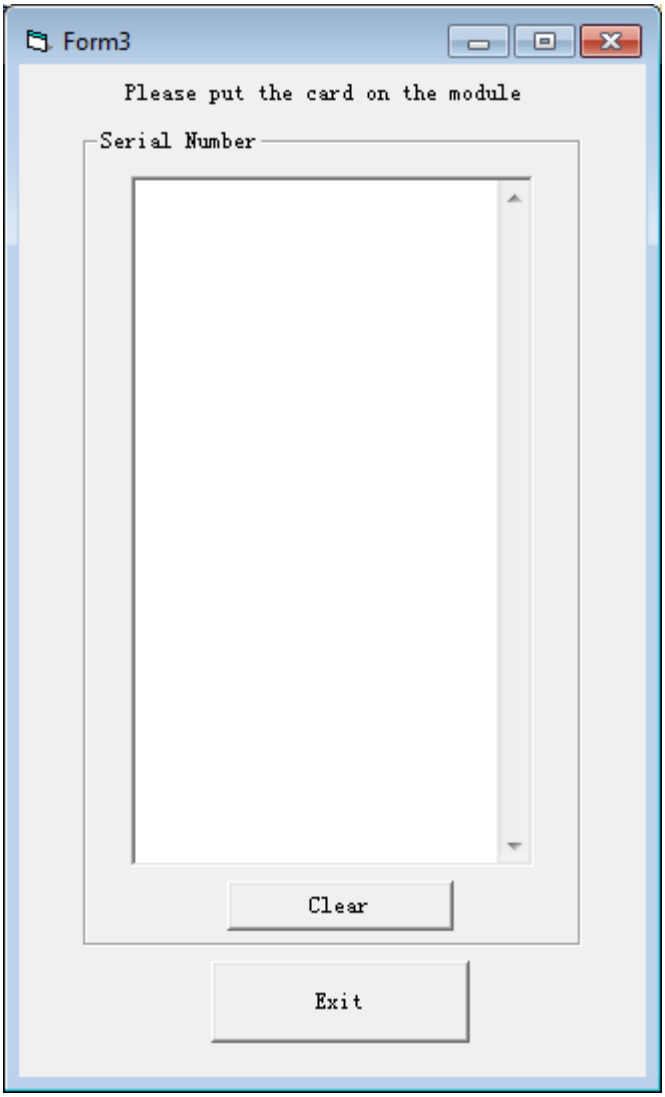


Just put IC card on the module and you will get the number displayed in the text box.

ADD2List

*This command refers to the command **03**.*

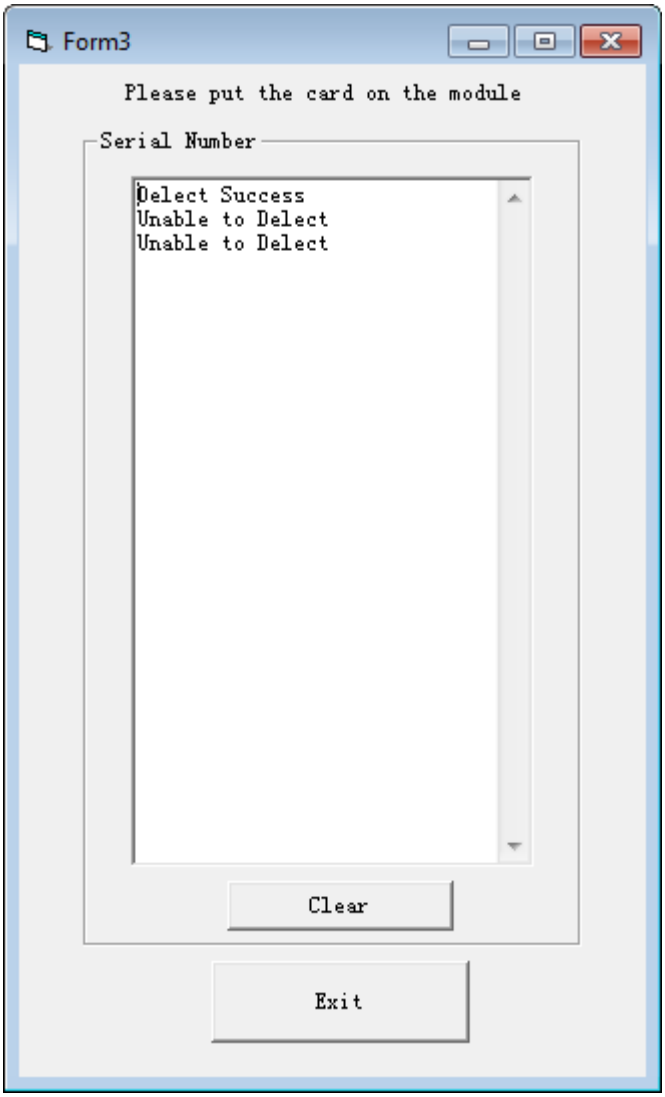
Click this button and you will get the following window:



If the number was recorded in the list, the message "Add success" will display.

ReMovList

*This command refers to the command **05**.*

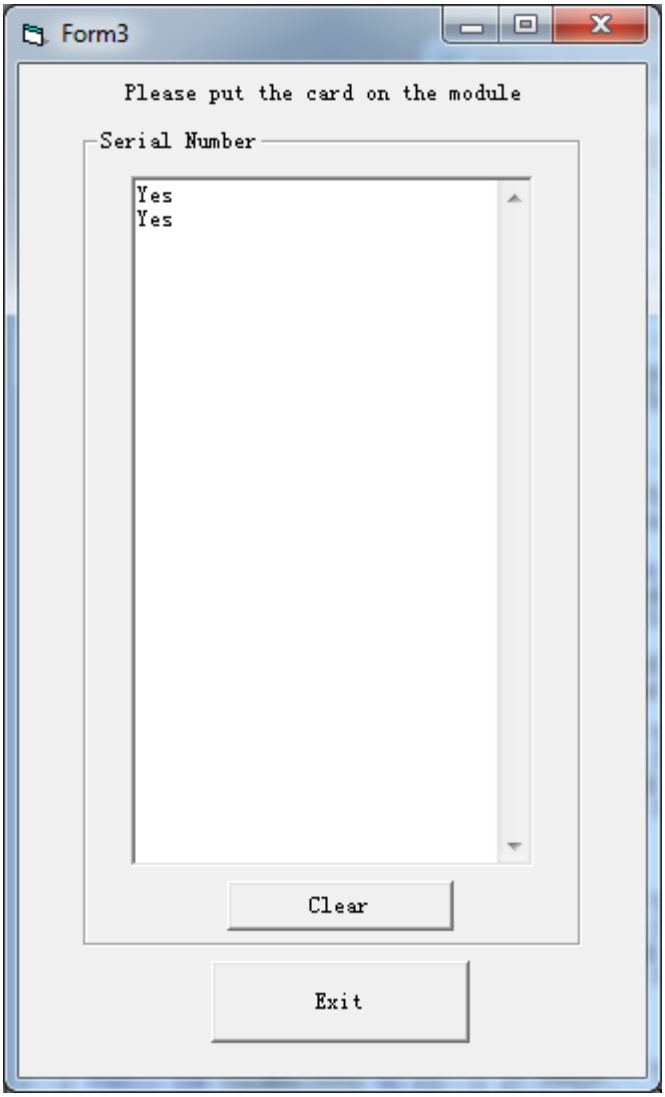


If success to remove it, the message "Delect Sucess" will display. Otherwise "Unable to Delect" will display.

IfInList

*This command refers to the command **04**.*

Clicking this button will send 04 to the RFID module.

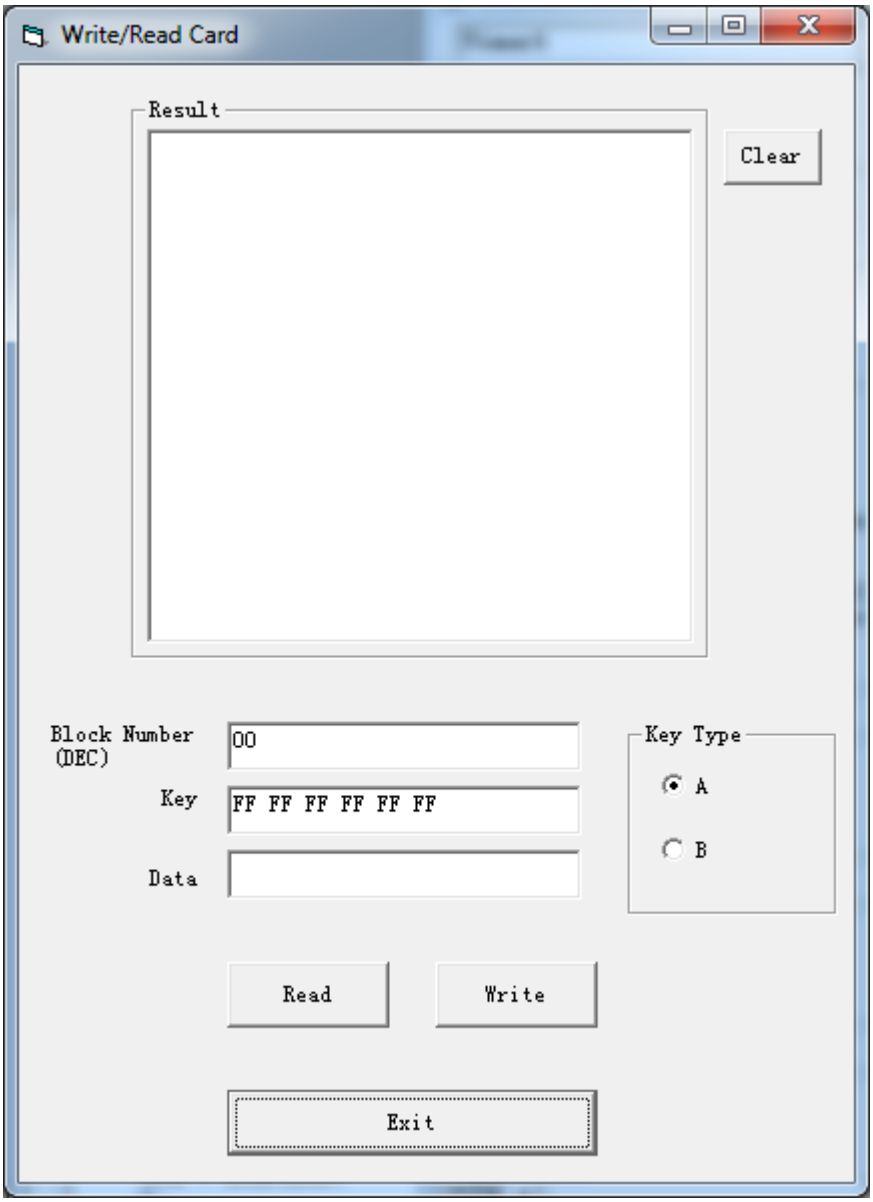


If the card number is in the list, "Yes" will display. Otherwise, No.

W/R card

*This button refers to the command basic command **03** and **04**.*

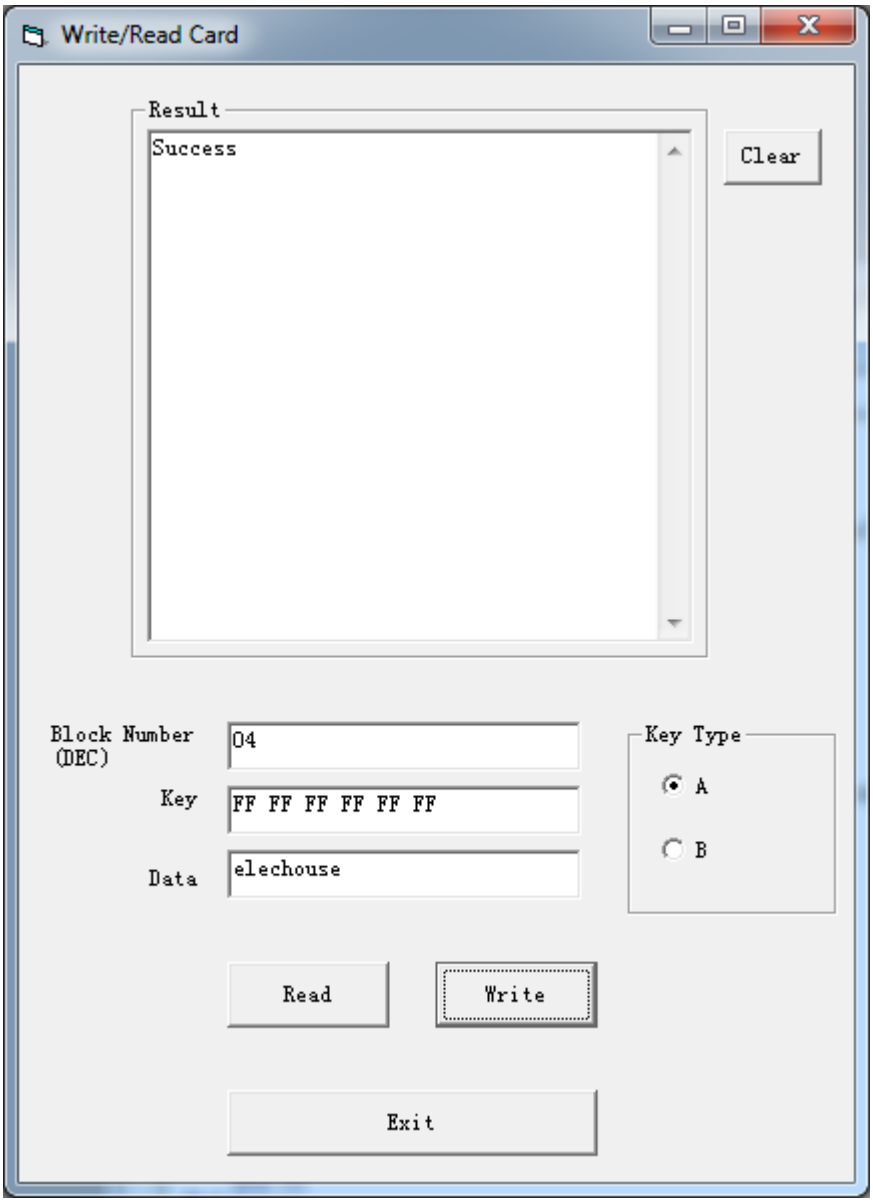
You will be brought to this window after clicking it.



- *Block Number: 0~63 (S50 card) / 0~255 (S70 card), in HEX format*
- *Key (by default): FF FF FF FF FF FF , in HEX format*
- *Key Type (by default): A*
- *Data: Data wrote to the IC card, max 16 characters.*

For more information about the setting above, please refer to the manual and the datasheet of IC card: S50 / S70

Now we will show an easy example on how to write and read IC Card.

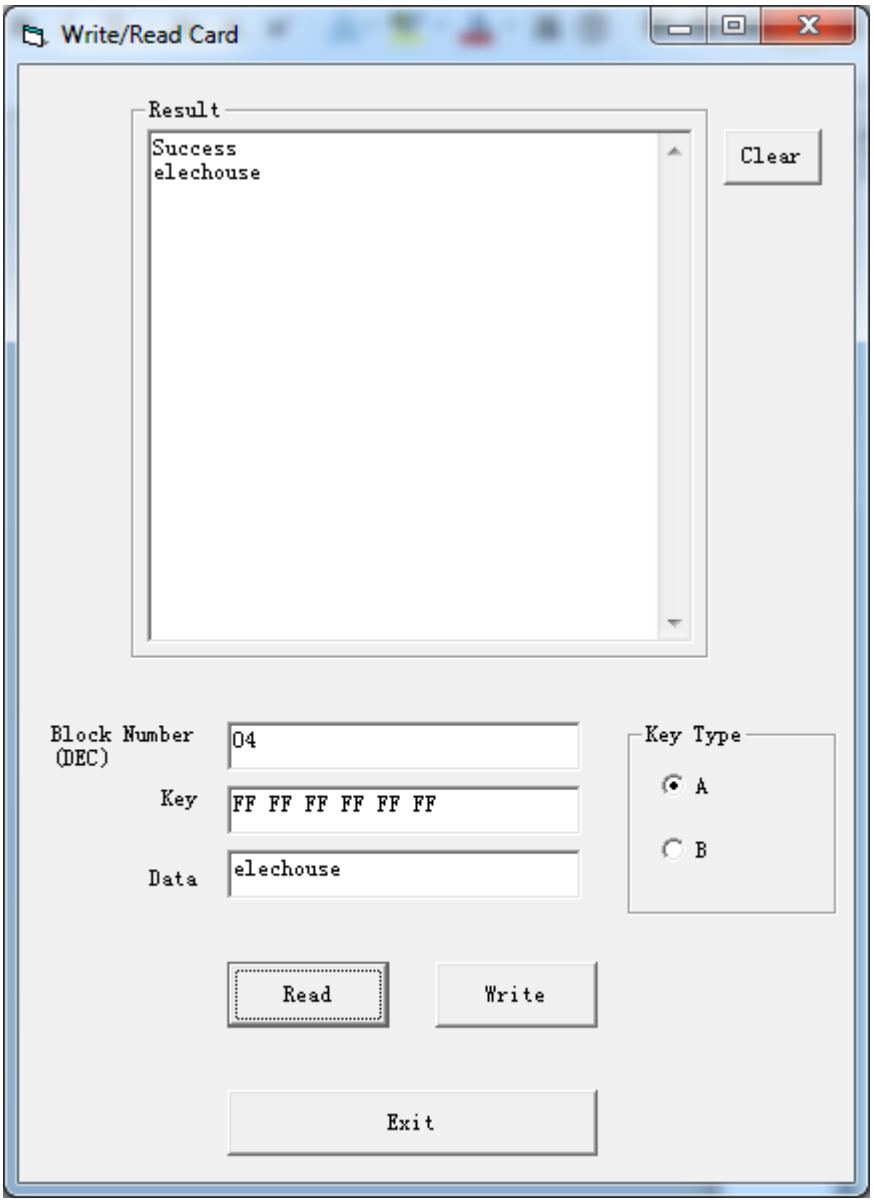


I will right "elechouse" to the 5th data block of IC card (00 is the 1st one). Note: not every block could be written.

*Before click **Write** button, remember to put the IC card on the RFID module.*

*Click **Write**, and then get "Success in reply".*

*Then we click the **Read** button. We will get:*

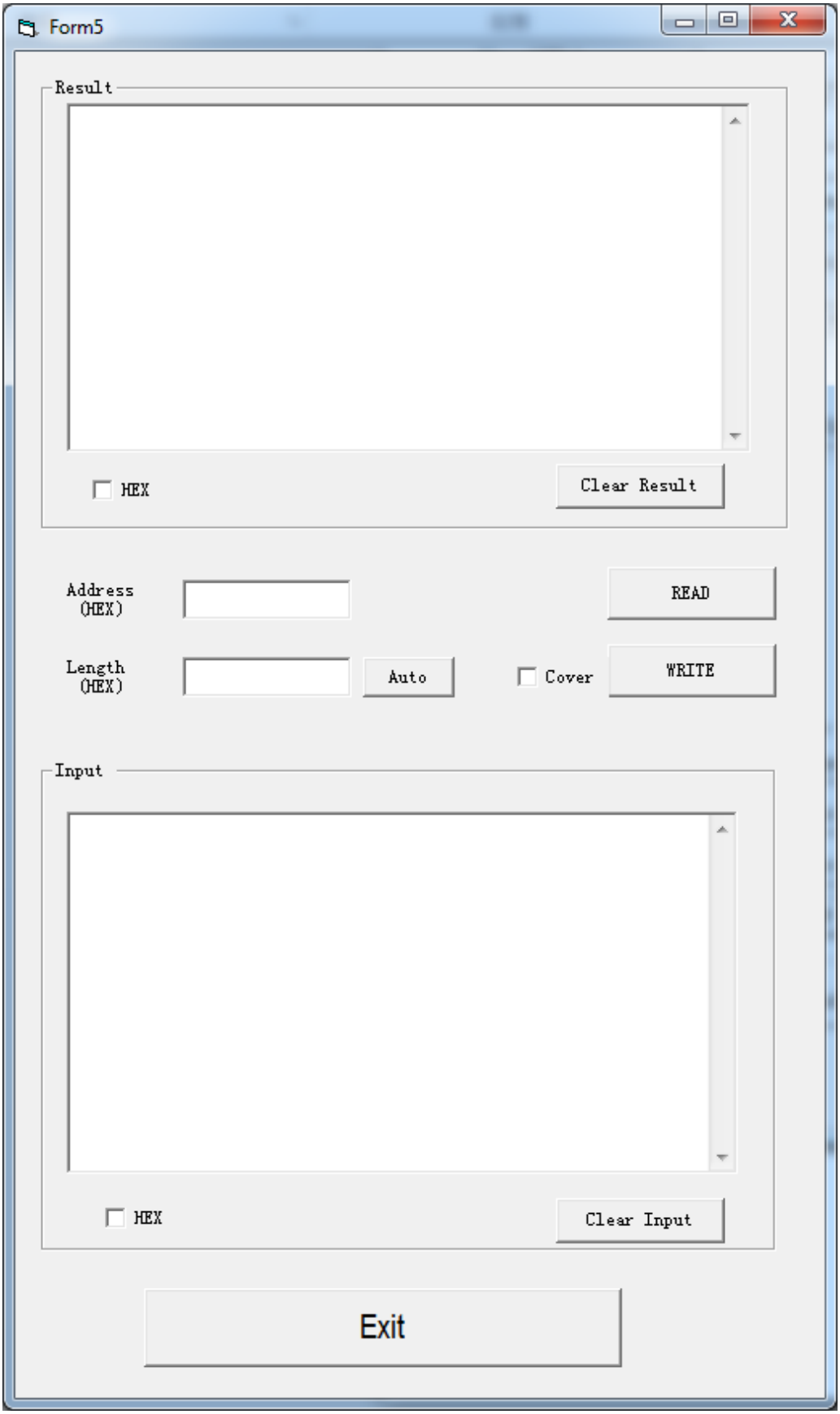


We success fetched the data in the 5th data block.

W/R EEP

*This command refers to basic command **08** and **09***

*The RFID module has EEPROM on it. We could store data in it. For example, the **Add2List** function save the card SN in EEPROM. We must be care while writing to EEPROM, especially while you use some other function which needs to store data in it. We only protect the module's configuration data from being overwriting. Other data are not protected and you could overwrite it. For more information, please refer to the manual.*



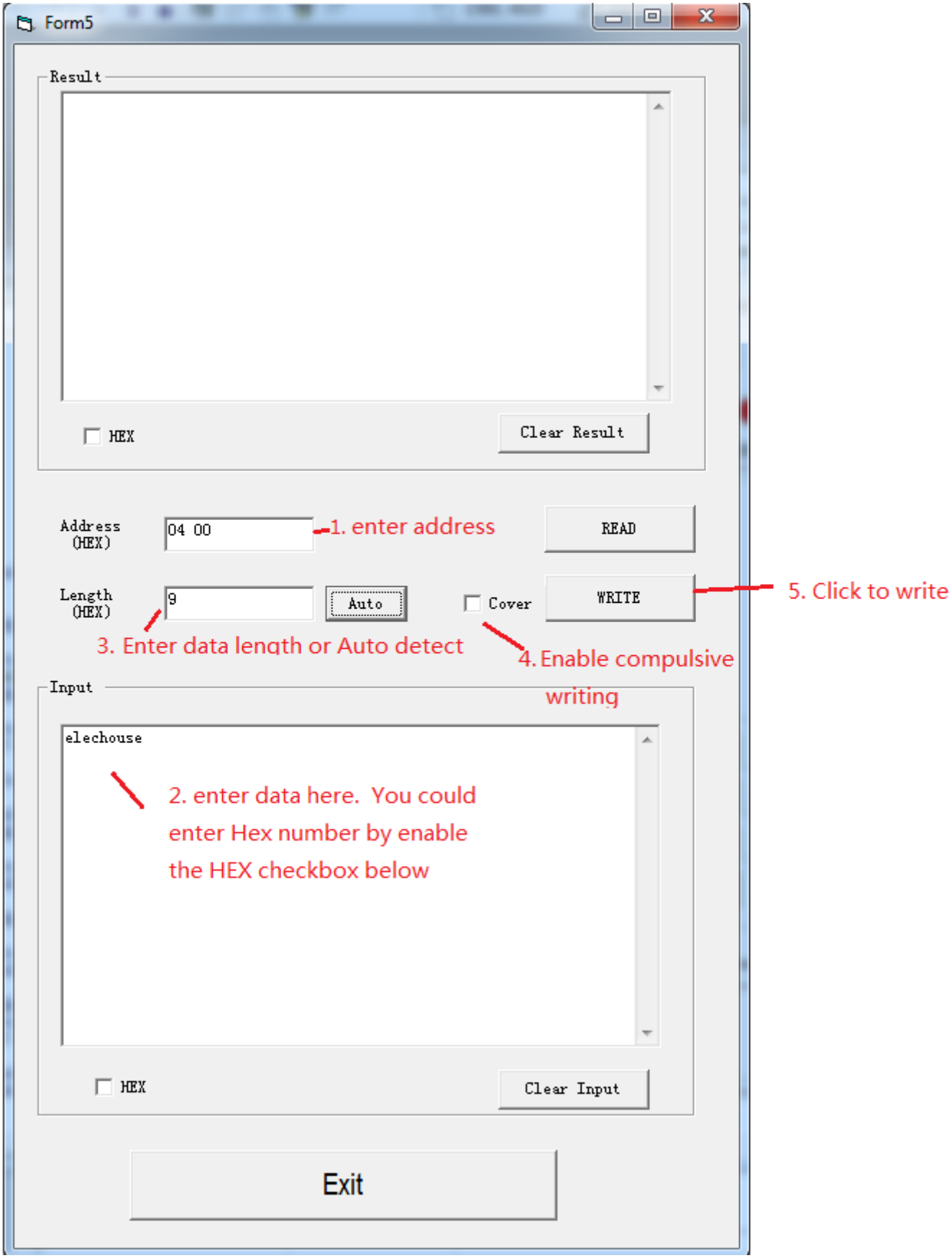
Address (HEX): the address where reading or writing begins

Length (HEX): the reading or writing data length

Cover: Normal/Compulsive write

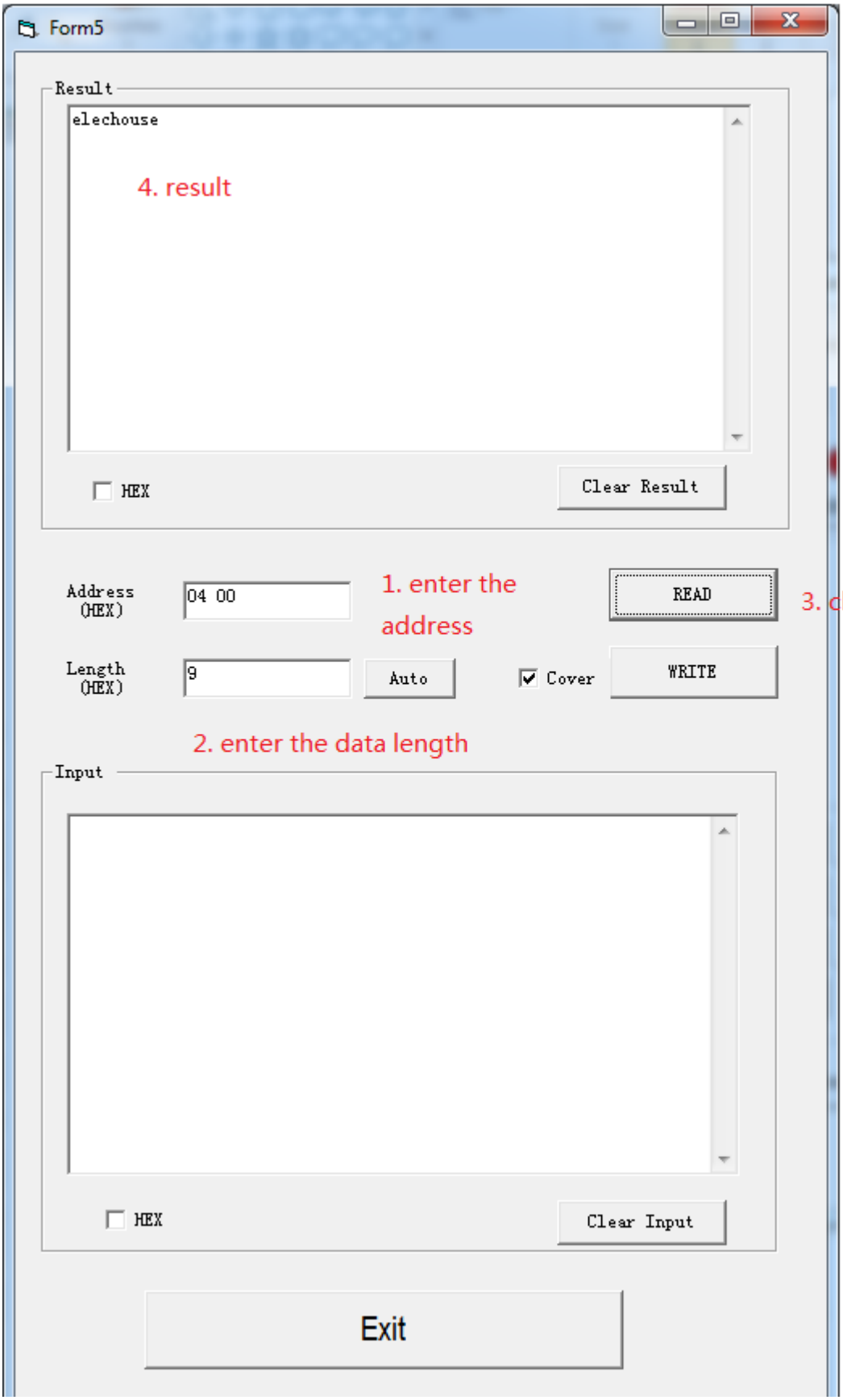
For more information, please refer to the manual.

Now I will show how to write and read. The following are writing operation.



You will get "Success" or "Failed" in reply.

The following are reading operation:



Contact and Reporting Bugs

Please mail to service@elechouse.com if you find any problem about this software.

Disclaimer and Revisions

The information in this document may change without notice. If you have any problem about it, please visit www.elechouse.com to contact us.

Revision History

Rev.	Date	Author	Description
A	Oct. 24th , 2012	Wilson	Initial version