RFID_tool Software User Guide

This software could only run on Windows OS.

Download and Install

Please lick here to download it: <u>RFID tool.zip</u>

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

Burn New folder			
	Name	Date modified Type	size
	퉬 Support	2012/10/23 15:59 File f	older
	🔚 RFID_elechouse.CAB	2012/10/23 15:59 WinR	\AR 压缩文件 1,405 KB
	😼 setup.exe	1998/7/6 0:00 Appl	ication 138 KB
	SETUP.LST	2012/10/23 15:59 LST F	File 4 KB

Step 2

Click "OK" to continue

₽ RFID_tool 安装程序			
欢迎使用 RFID_tool 安装程序。			
安装程序不能安装系统文件或正在使用的共享文件。在继续之前,建议您关闭任何正在运行的应用程序。			
确定 退出安装 (2)			

Step 3

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



Step 4

Click "Continue"

安装程序将添加项目到程序组框所列的组中。您可以输入新的组 名或在现存的组列表中选择一个。
程序组 @): RFID_ELECHOUSE
M1子組 (A): Apache Friends Google Chrome 浏览器 iTeleport Maintenance Microsoft Web Publishing MyDiskTest PowerCreator Reader configuration software Rebtel RFID_ELECHOUSE

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.

RFID_tool 댷	安装程序	X
<u> </u>	C:\Windows\system32\wshom.ocx 复制文件时发生访问冲突。	
	Abort Retry Ig	nore

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 <u>Manual</u> for more information.

This command refers to the command AB 02 01

Click the button and you will get the following prompt:

Tips	—
Please put the card on the mod	lule, then click OK
	ОК

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:

🕄 Read Card Type	- • •
Put the card on the module	
MS S50	

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:

🖏 Form3				
Please put the card on the module				
Serial Number				
A				
v				
Clear				
Exit				

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:

🖏 Form3				
Please put the card on the modu	le			
	*			
	Ŧ			
Clear				
Exit				

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

ReMovList

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

🛱 Form3					
Please put the card on the module Serial Number					
Delect Success Unable to Delect Unable to Delect					
Clear					
Exit					

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.

🔄 Form3	
Please put the card on th	he module
Serial Number	
Ies Yes	^
	-
[]	1
Clear	
Exit	

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.

🔄, Write/Read Ca	ard	
Resul	t	
		Clear
Block Number (DEC)	00	Key Type
Key	FF FF FF FF FF FF	(• A C B
Data		
	Read Write	
	Exit	

- 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 <u>manual</u> and the datasheet of IC card: <u>S50 / S70</u>

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

🔄, Write/Read Ca	rd		
-Result			
Succes	55		Clear
		Ŧ	
Block Number (DEC)	04	$\begin{bmatrix} Key & T_2 \end{bmatrix}$	уре
Key	FF FF FF FF FF FF	• A	
		ОВ	
Data	erecuonze		
	Read Write		
	Exit		

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:

B. Write/Read Co	ard and a second se	
Resul	t .ss .ouse	Clear
Block Number (DEC) Key Data	04 FF FF FF FF FF FF elechouse Read Write Exit	Key Type A B

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.

Eg. Form5		
Result		
- HEX		Clear Result
Address (HEX) Length (HEX)	Auto	READ Cover WRITE
-Input		
, T Hex		Clear Input
	Exit	

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.

🔄 Form5			×	
Result				
		~		
T HEX		- Clear Result		
Address (HEX)	04 00 –1. enter address	READ		
Length (HEX)	9 Auto	Cover WRITE	 5	Click to write
3. En	ter data length or Auto detect	4. Enable comp	ulsive	
Input		writing		
elechouse	2. enter data here. You could enter Hex number by enable the HEX checkbox below			
Г нех	[Clear Input		
	Exit			

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

The following are reading operation:

C. Form5	;	2.000	50×**				x	
Resul	.t ———						_	
elec	chouse					*		
	4. r	esult						
						-		
	HEX			с	lear Re	sult		
	101							
							J	
Addr OHE	ress XX)	04 00	- 1. enter t	he		READ	3. (lick READ
		,	address					
Leng (HE	gth IX)	9	Auto	🔽 Cover	-	WRITE		
-Input		2. enter the	data length				,	
						^		
						~		
	⊢ hex			0	Clear In	ıput		
			Exit					

Contact and Reporting Bugs

Please mail to <u>service@elechouse.com</u> 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		
А	Oct. 24 th , 2012	Wilson	Initial version		