# 2.45G Active reader/writer

Demo Program user guide



Connected the reader with PC through RS232 or RJ45 Port.

Run demo program from the following path : //demo/demo2\_4G.exe

## (VC source code : path ://VC demo source code)

CONNECT Serial Port: COM	Operate ID: 0000678F Addr: 0 Data: Identify	Operate Info   No.11 *TD: 00008789 * *LOCATOR: FF * 10:01000000*   No.21 *TD: 00008789 * *LOCATOR: FF *TO:01000000*   No.31 *TD: 00008780 * *LOCATOR: FF * 10:01000000*   No.41 *TD: 00008784 * *LOCATOR: FF * 10:01000000*   No.41 *TD: 00008784 * *LOCATOR: FF * 10:01000000*   No.41 *TD: 00008784 * *LOCATOR: FF * 10:01000000*
BaudRate:  115200 v Connect Disconnect Tag Setting ID Interval: 15 v	Coll Read Write	
Power:	Reader Setting Addr Code: 0 • Send Power: 0dBm •	
Set	Set	

#### Demo program menu

#### **Connect Reader**

#### By Com Port

connected the reader with COM port , click on "COM" and select the serial port and baud rate then click on "Connect" button. If success , below screen will be shown .

Static C NET COM	
CONNECT Serial Port: COM1 BaudRate: 115200 Connect Disconnect	Operate Info Open Serial Port success! The Reader firmware version is: V24.05

## BY RJ45 Port

Connected reader with Network Hub through RJ45 port.

Click on "NET" and fill in the IP address and Port#.

· NET	C COM
ONNECT	
IP:	192.168.2.200
Port:	100
Connect	Disconnect

Before connect with RJ45 for operation , need run the IP setting tool to check your current reader

IP setting can match with your network config or not.

[1] Connect the reader with your PC through the com port .

Run program from Path ://IP Setting/Ipconfig.exe

Click on " Connect", if success, below message will be shown.

CommPort COM1 💌	IP	192 . 168 . 0 . 200
	SubNetMask	255 . 255 . 255 . 0
Connect	GateWay	192 . 168 . 0 . 1
IPCONFIG	Port 🛛	100
Connect Reader Succe	si	

Click on "Query" to check your current reader IP setting.

If it is not match with your Network config, change to the correct setting and click "Set" to save the setting .

## Remark : need restart the reader to enable the new IP setting .

## **Reader Setting**

Addr Code	: 0 💌
Send Power	DdBm 💌
	-18dBm
Query	-6 dBm

4 power level can be selected (0dBm , -6dBm , -12dBm & -18dBm) Query - check the current reader setting

# **Tag Setting**

Entry active tag ID .

Input the Interval time for data transmission (0.5, 1, 2 & 4 seconds)



Set the power level to the specific active tag .

Query - check the current value

Set - save the setting after select the value

#### **Tag operation**

perace		No. 114 (*TD: 12345678 * * 0CATOR: FF * * *TO:01000000
ID:	0000678F	No.2니 *ID: 000067B0 * *LOCATOR: FF * *IO:01000000
611.2		No. 314 *ID: 0000678D * *LOCATOR: FF * *IO:01000000
Addr:		Stop Operate !
Data:	12345678	
<u>1)</u>	Identify	
	Call	
	Read	
	Write	

ID : entry active tag ID (address 0-3 (4byte) is the tag ID)

Addr : starting address for read and write operation

Data : max. 4 byte data (e.g. 12345678)

Identify : Identify the active tags automatically

Call : input specific Tag ID to call the tag.

When tag receive this call signal , the tag LED start to flash until stop call.

Read : Read tag ID (Address 0-3) and memory data (Address 4-239) 4 byte per address#

Write : write tag ID (Address 0-3) and memory data (Address 4-239) 4 byte per address#

Stop : Stop Tags identify

### Example : change tag ID to 12345678

Address 0-3 (4 byte) is the tag ID location therefore need write the "addr" start from "0"

[1] entry specific active tag ID , select Addr "0" and input new tag ID data "12345678"

[2] click on "Write" to write the data



Pls remember to use this new tag ID for further operation

## Example : write Tag memory start from address 4

[1] entry specific active tag ID , select Addr "4" and input tag data e.g. "87654321" (max. 4 Byte)

[2] click on "Write" to write the data

if success , it will write 4 byte data "87654321" start from address 4 to 7

"Write" function is valid for R/W version only.

#### Multi tags Read

Click "Identify" button to enable the reader to read all tags data within the reading range.

Click "Stop" button to stop the identify . click "Clear" button to clear tag information.