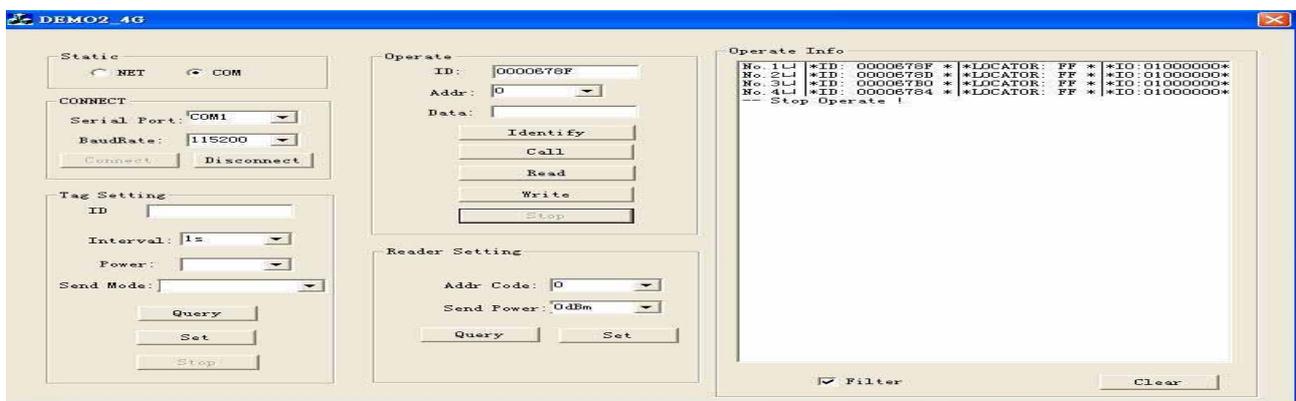


## 2.45G Active reader/writer

### 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)

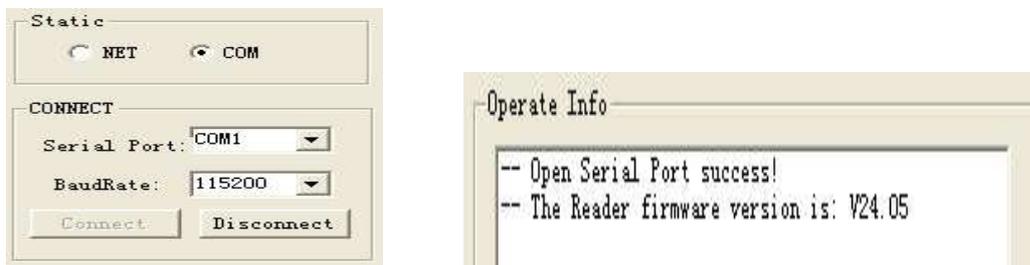


**Demo program menu**

### 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 .



#### BY RJ45 Port

Connected reader with Network Hub through RJ45 port.

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

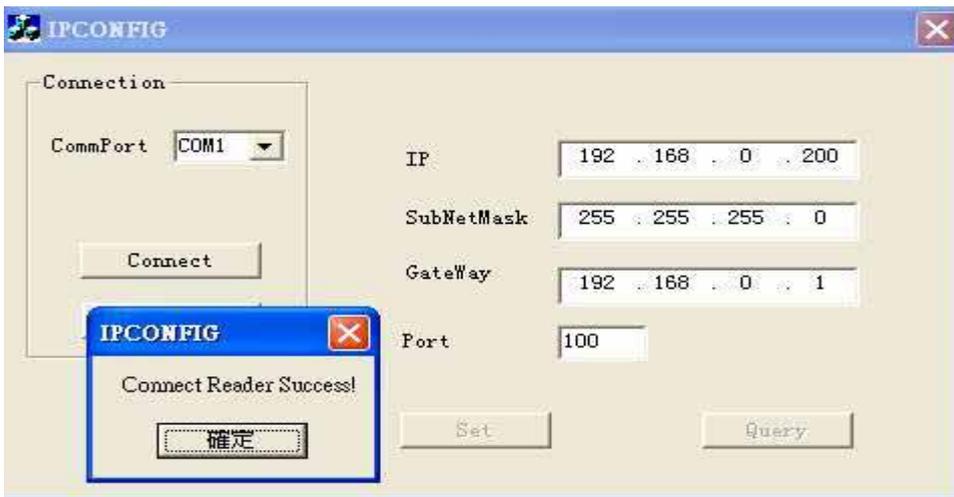


Before connect with RJ45 for operation , need run the IP setting tool to check your current reader IP setting can match with your network config or not.

[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 .

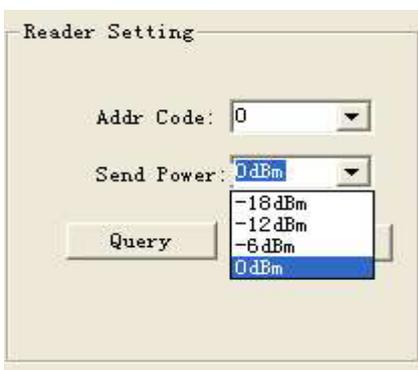


Click on "Query" to check your current reader IP setting.

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



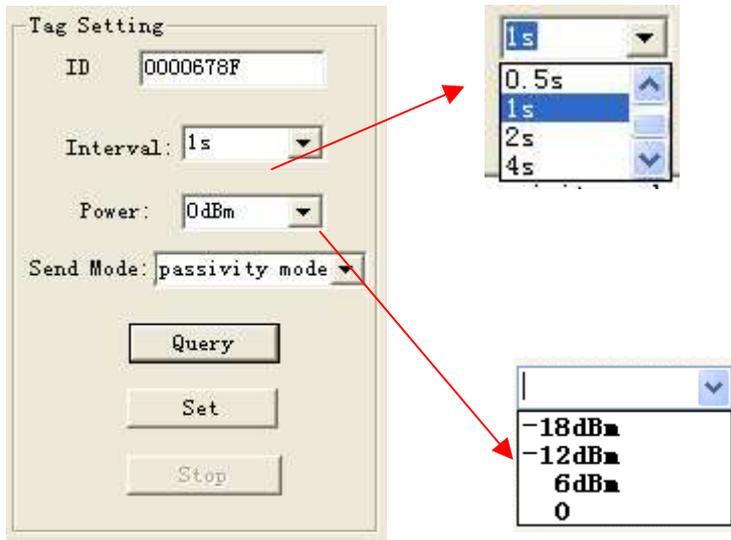
4 power level can be selected (0dBm , -6dBm , -12dBm & -18dBm)

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)

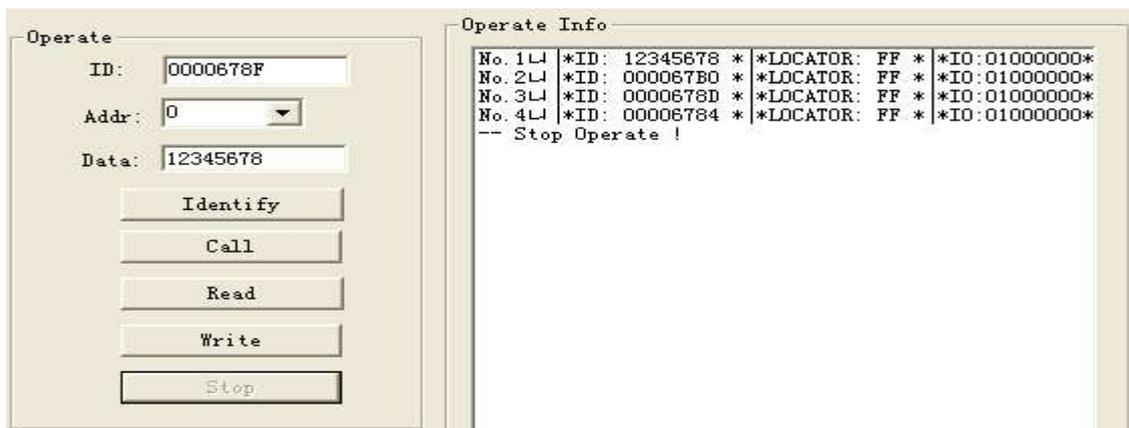


Set the power level to the specific active tag .

Query – check the current value

Set – save the setting after select the value

## Tag operation



**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#

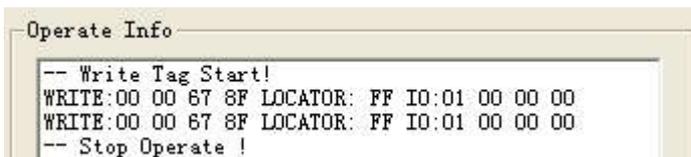
**Stop :** Stop Tags identify

### 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.

