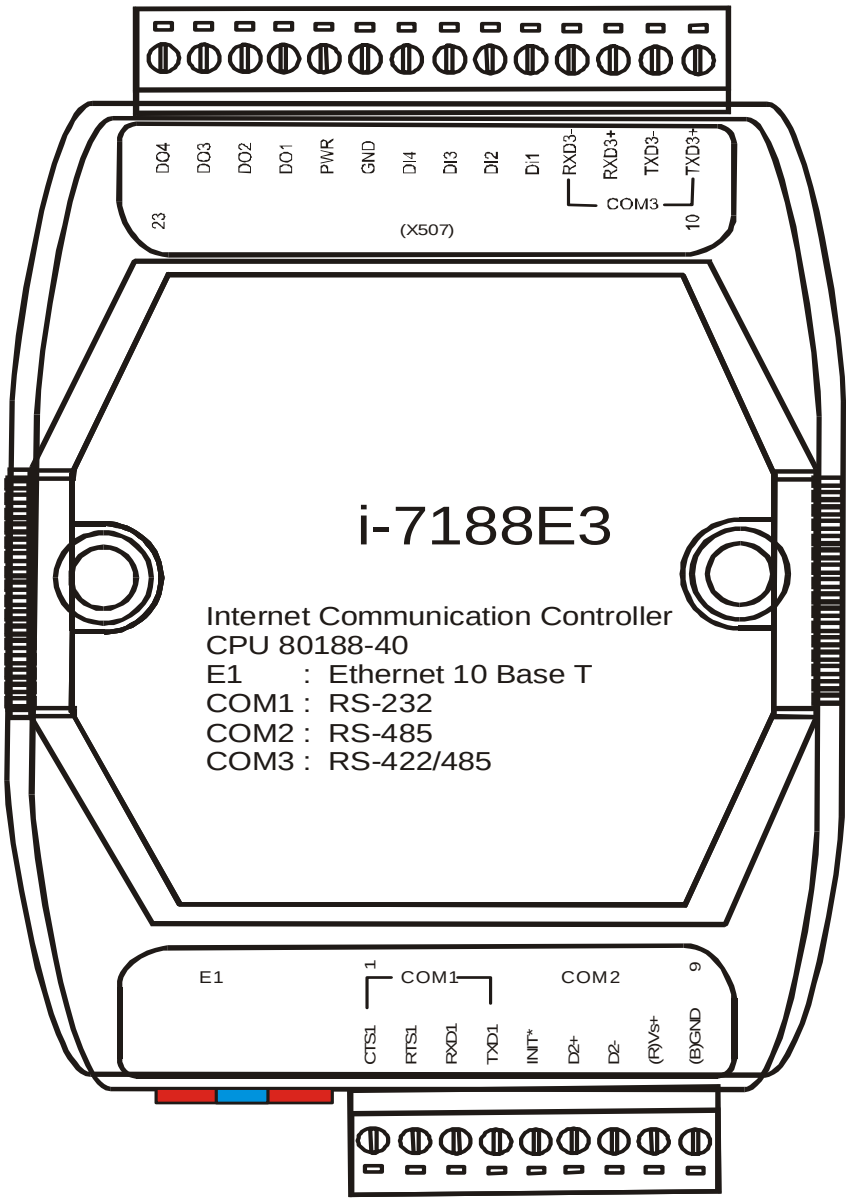
7188E3 Quick Start



Refer below files to get more information:

1 7188e\Document\Readme.htm
2. 7188e\Document\7188E_Quick_Start.pdf
3. 7188e\Document\Introduction.pdf
4. 7188e\Document\7188eh.pdf
5. 7188e\Tcp\Vxcomm\Doc\Big5 or Eng or Gb2312\Vxcomm.htm
6. 7188e\Tcp\Xserver\Xserver.htm
7. 7188e\Tcp\Xserver\Function.htm

1. Use 7188xw.exe to link 7188E3

Step 1: Run 7188xw.exe in host-PC to enter MiniOS7.
Step 2: Use DIR command to get the default shipping of 7188E3 as follows:

```
ICP_DAS MiniOS7 for I-7188e Ver. 1.00 build 014,Aug 15 2001 13:53:26
SRAM:256K, FLASH MEMORY:256K
Serial number= 5A 5A 5A 5A 5A 5A 5A 5A
i7188e>dir

 0)autoexec.bat 10/29/2001 22:29:01     13[000D]C002:0000-C002:000D
 1)vxcomm.exe   10/23/2001 00:44:28  73674[11FCA]C004:000D-D201:0007
Total File number is 2  Free space=122825 bytes
i7188e>_
```

The Xserver, VxComm.exe, is the standard firmware when the 7188E series is shipped. It can support **virtual COM** & **Ethernet I/O applications** without any modification.

Step 3: Use "**inp 0"** to read D/I of 7188E3 as follows:

```
i7188e>inp 0
port=0000 data=0F
```

← Access D/I of 7188E3 by MiniOS7

Step 4: Use "**outp 0 value"** to set D/O of 7188E3 as follows:

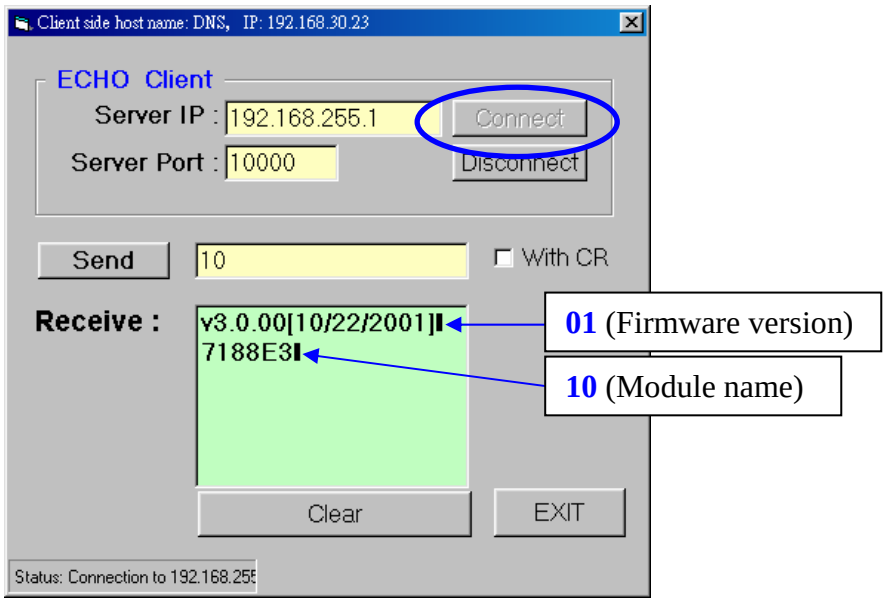
```
i7188e>outp 0 5
port=0000 data=05

i7188e>outp 0 a
port=0000 data=0A
```

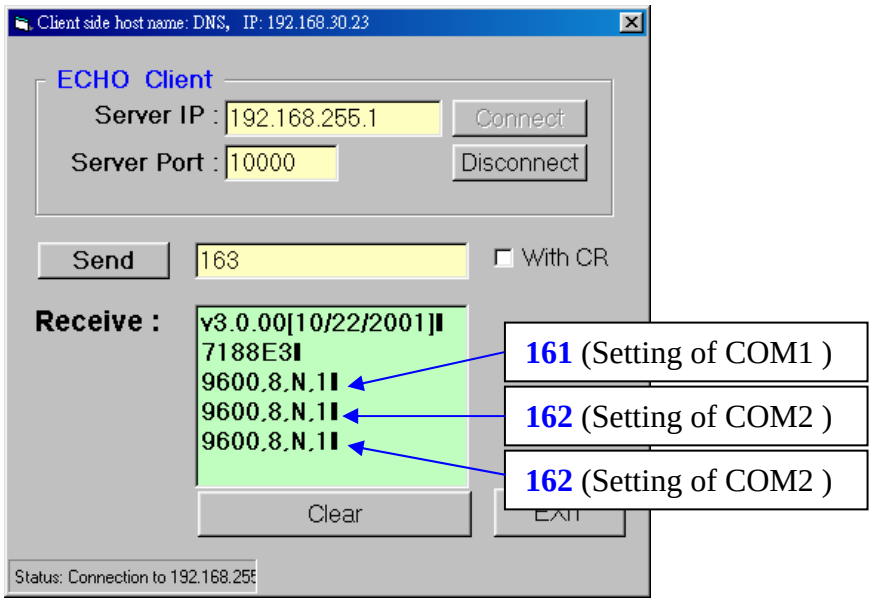
← Access D/O of 7188E3 by MiniOS7

2. Use Client4.exe to link 7188E3

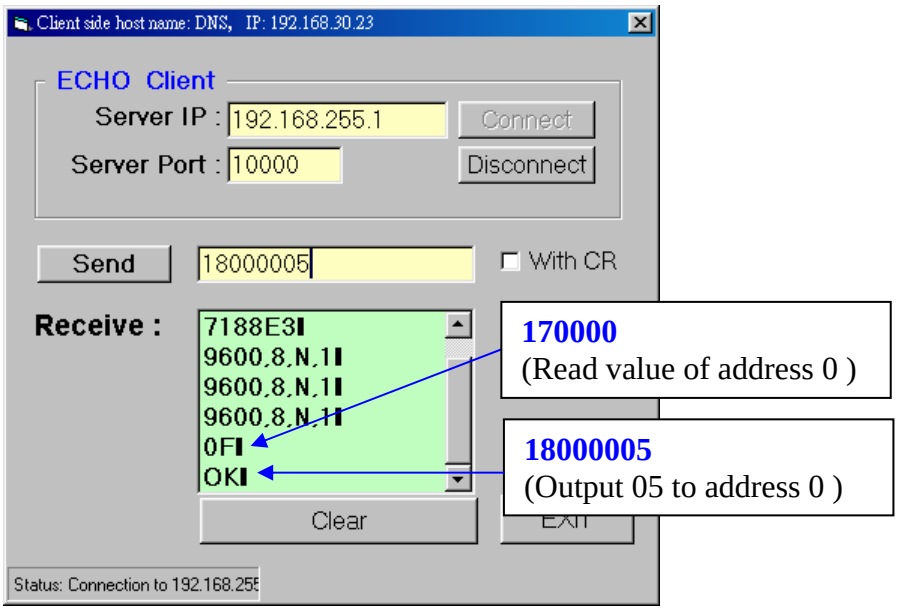
Step 1: Run 7188e\Tcp\Xserver\Client\Common\VB5\Client4\Client4.exe in host-PC. Press "**Connect**" button to connect to 7188E3.
Send command "**01**", "**10**".



Step 2: Send "161", "162" and "163" to readout COM port setting.

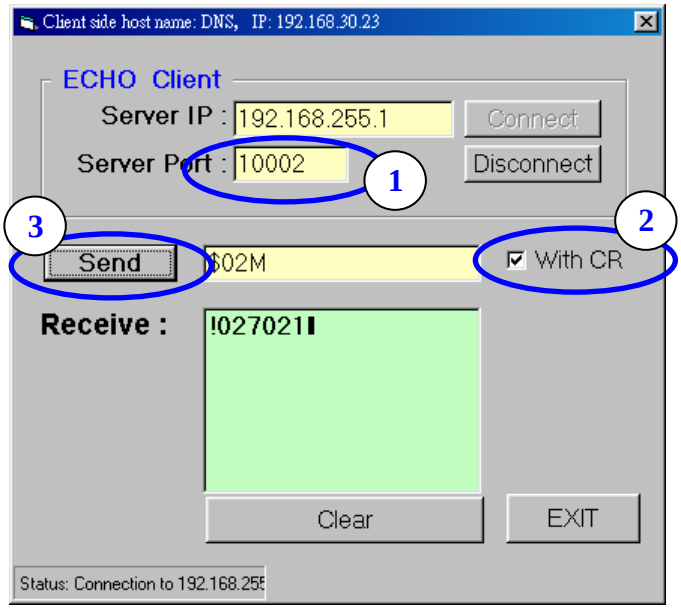


Step 3: Send "170000" and "18000005" to access D/I/O of 7188E3.



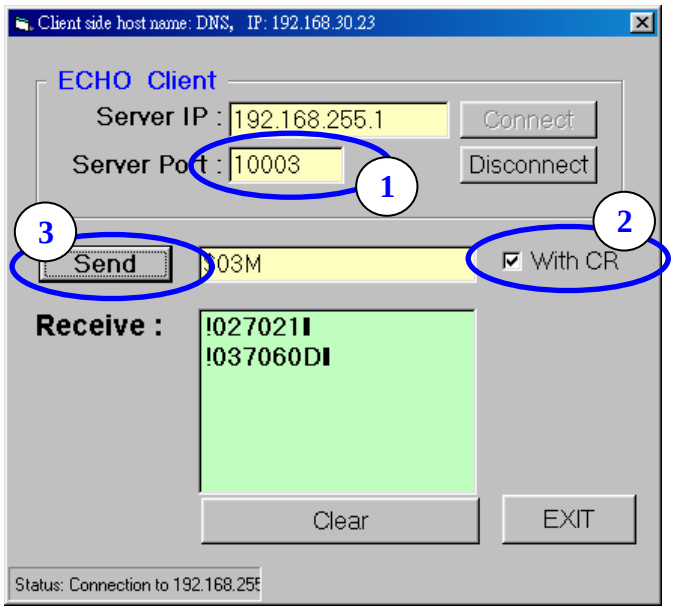
Step 4: Disconnect and then reconnect at port 10002.

Step 5: Select "**With CR**" and then send "**$02M**" to read 7000 module's ID which is connected to 7188E3's COM2.



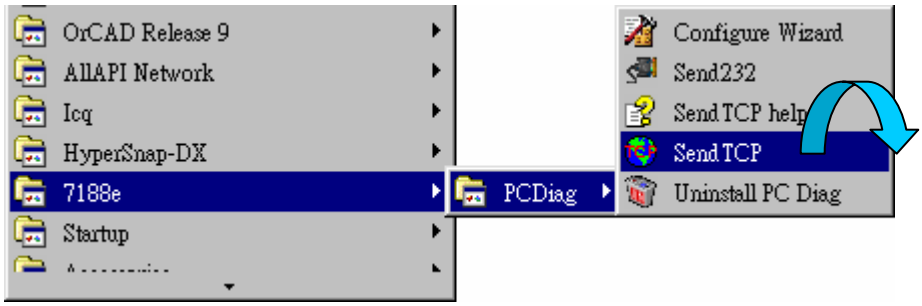
Step 6: Disconnect and then reconnect at port 10003.

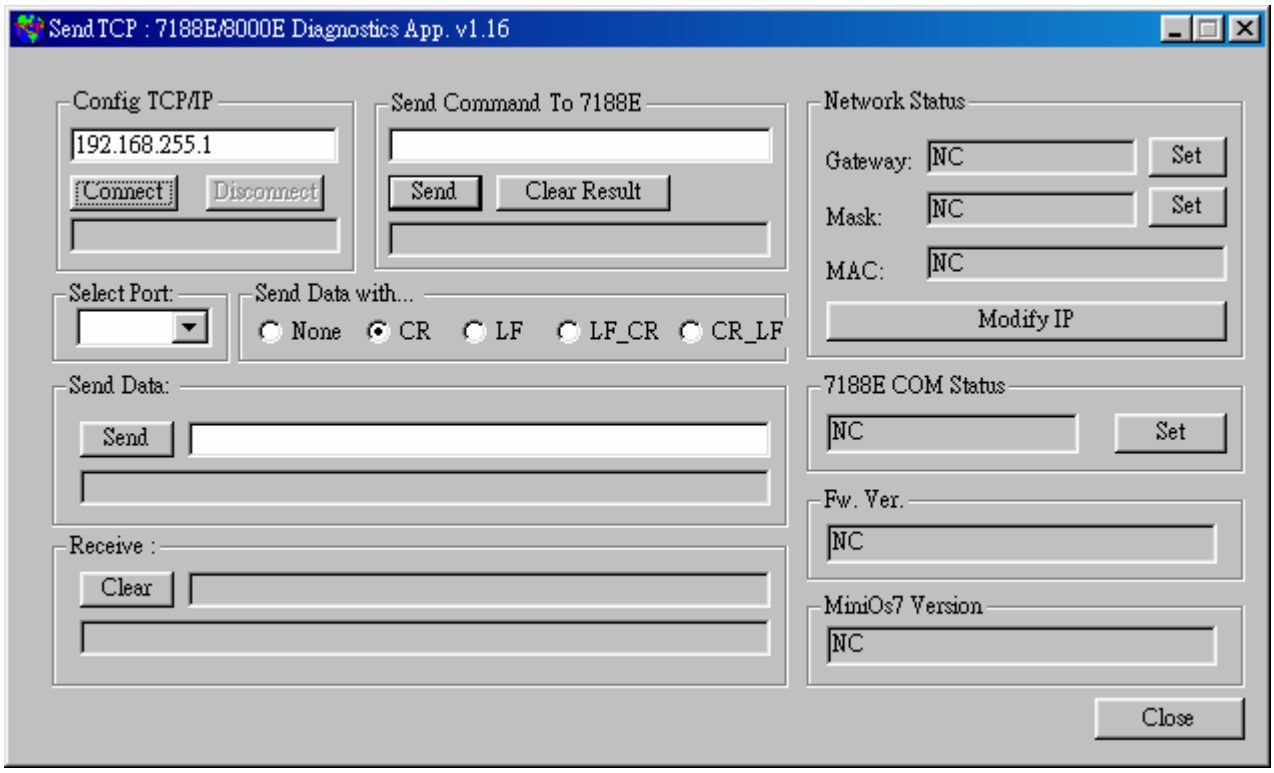
Step 7: Select "**With CR**" and then send "**$03M**" to read 7000 module's ID which is connected to 7188E3's COM3.


Client side host name: DNS, IP: 192.168.30.23
ECHO Client
Server IP : 192.168.255.1
Connect
Server Port : 10003
Disconnect
1
2
3
Send
03M
With CR
Receive :
!027021
!037060D
Clear
EXIT
Status: Connection to 192.168.25

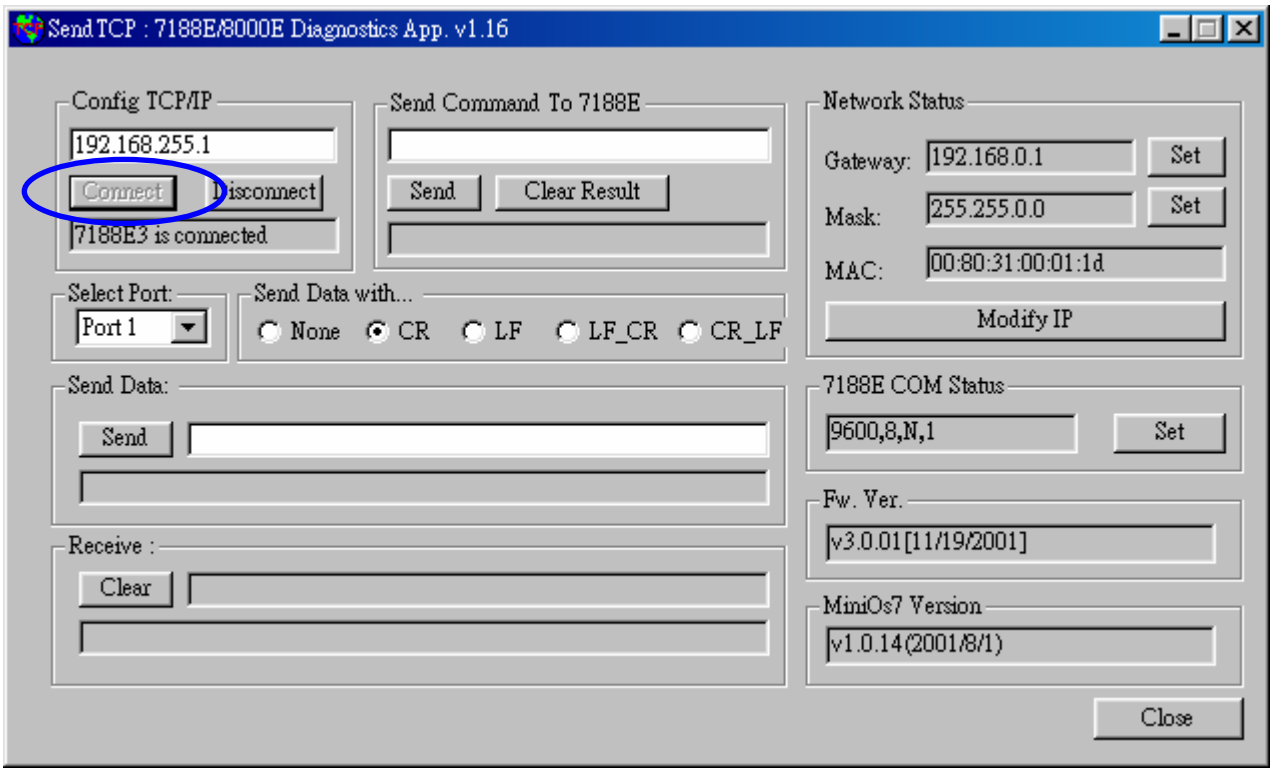
3. Use SendTCP to link 7188E3

Step 1: Run SendTCP in host-PC.

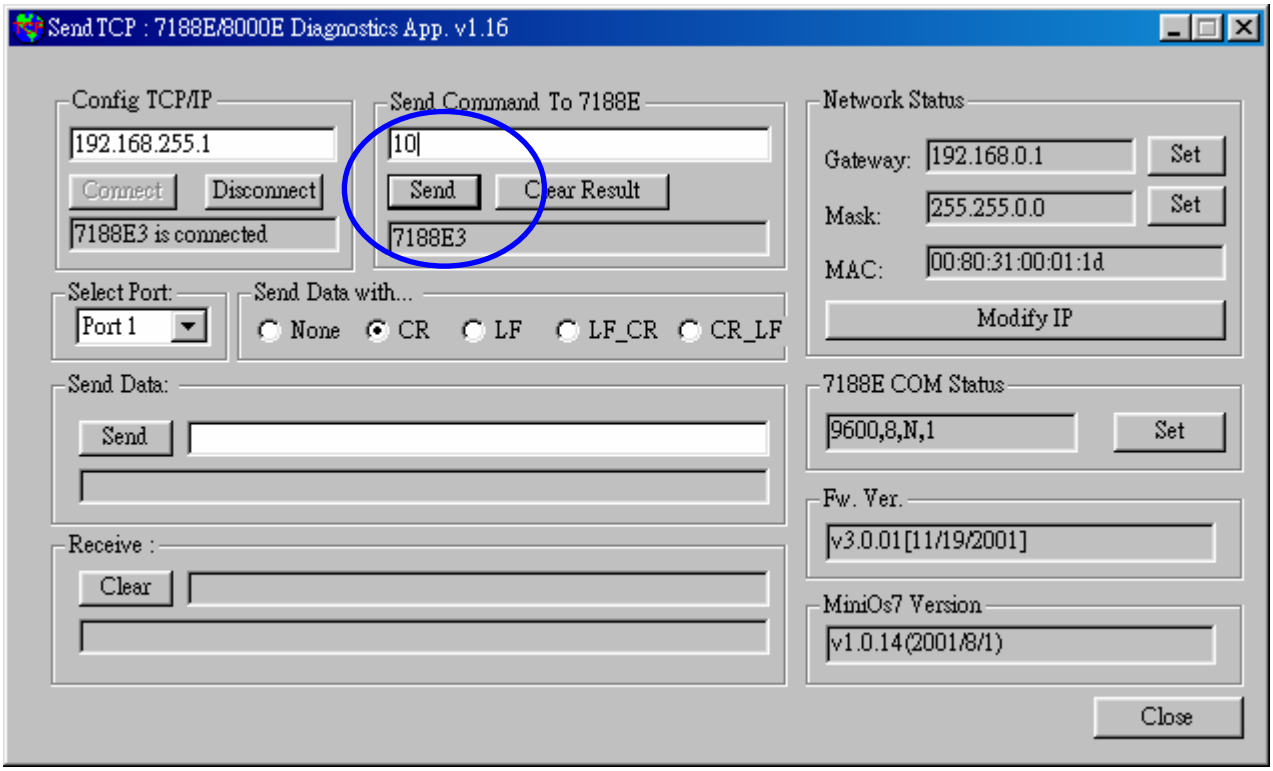




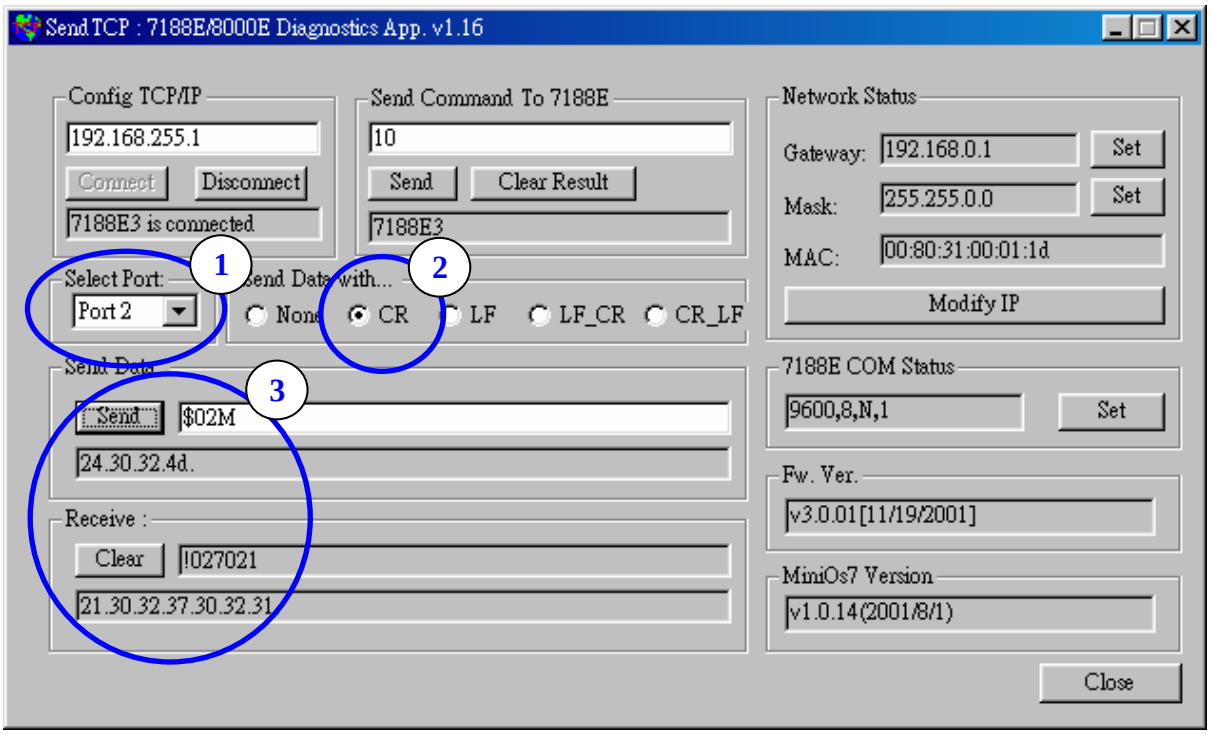
Step 2: Press "**Connect**" button to connect to 7188E3.



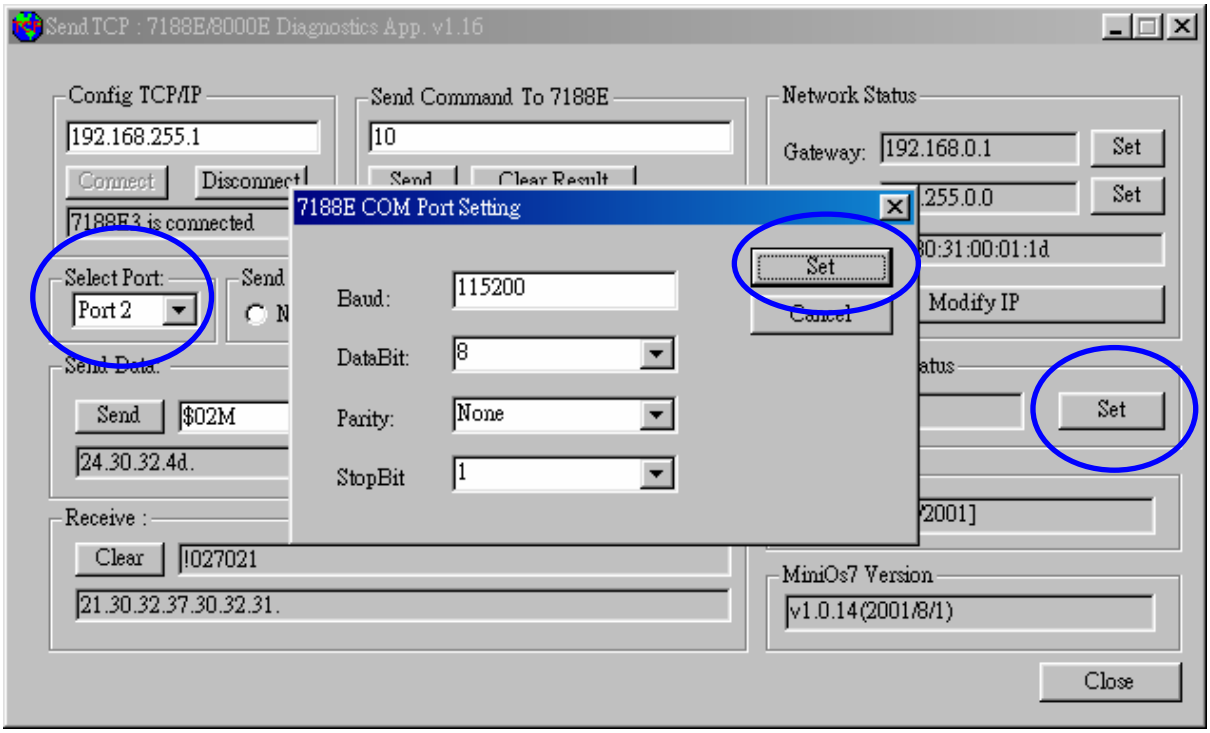
Step 3: Send command "**10**" to 7188E3.



Step 4: Select "**Port 2**" and "**CR**". Then send "**$02M**" to read 7000 module's ID which is connected to 7188E3's COM2.

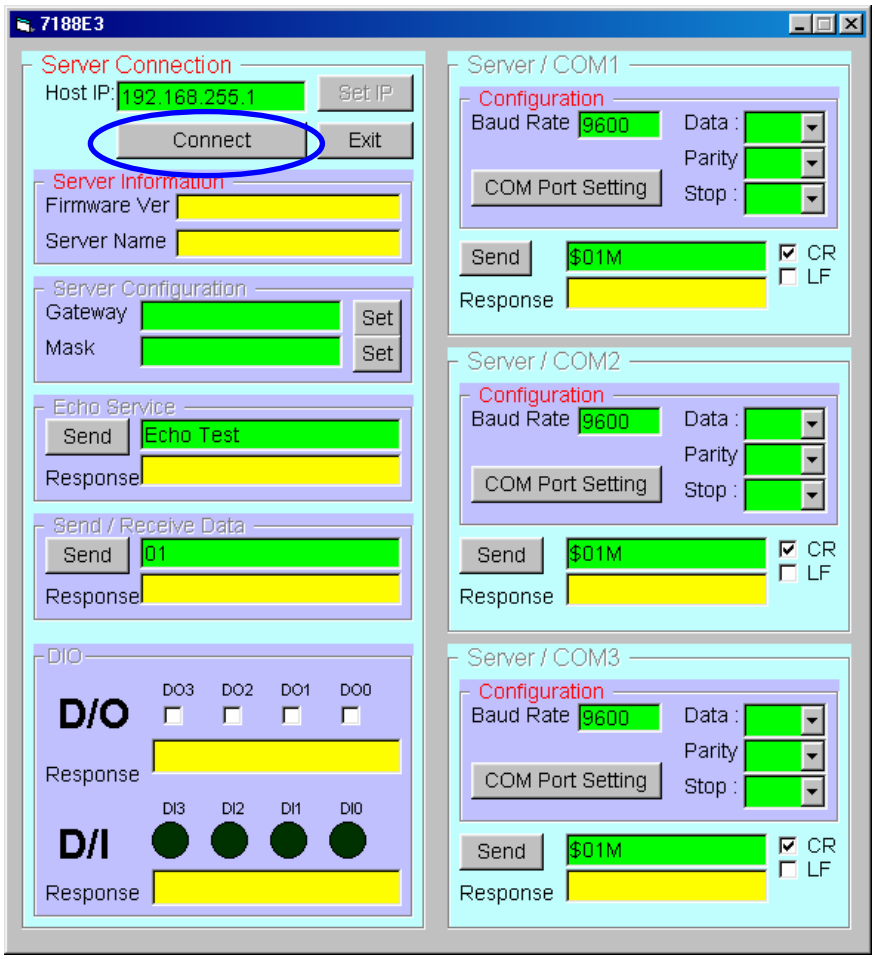


If you want to change 7188E's COM ports settings, click "**Set**" to change them. The 7188E's COM port that you want to configure is specified by "**Select Port**" combo list. Port 2 means you want deal with 7188E's COM2.

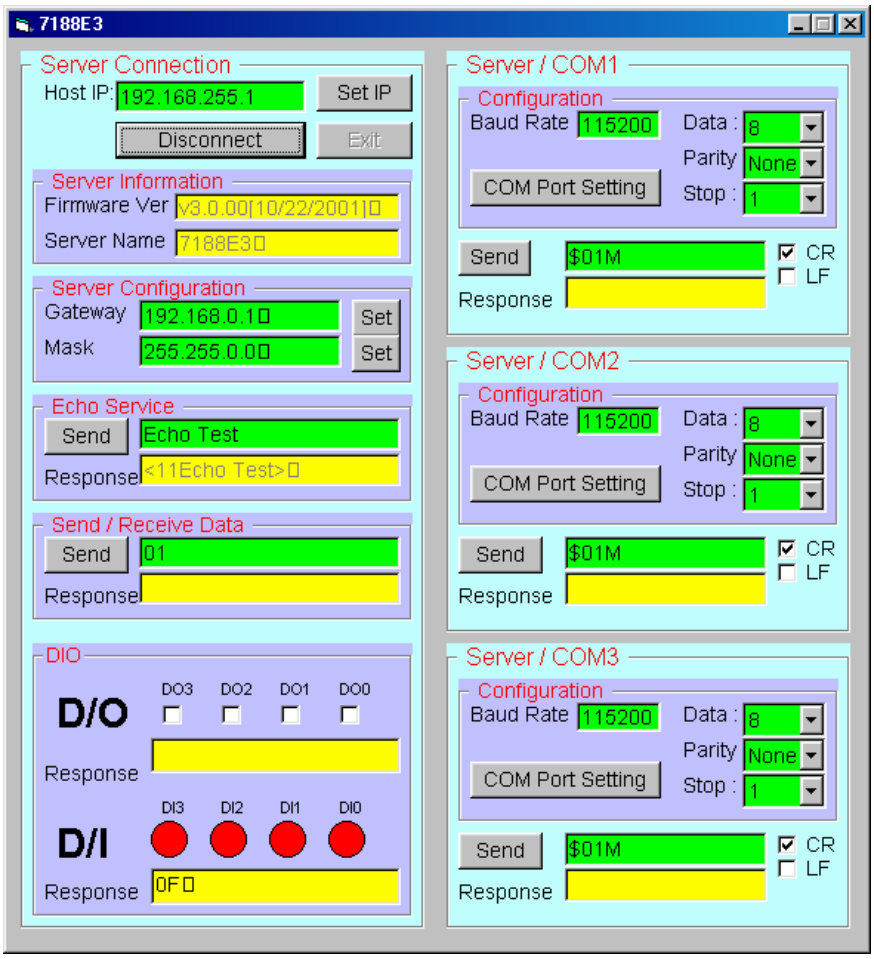


4. Use 7188E3.exe to link 7188E3

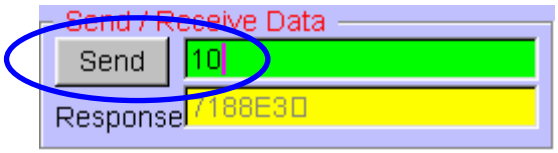
Step 1: Run 7188e\Tcp\Xserver\Client\Module\7188e3\Vb5\7188E3.exe.



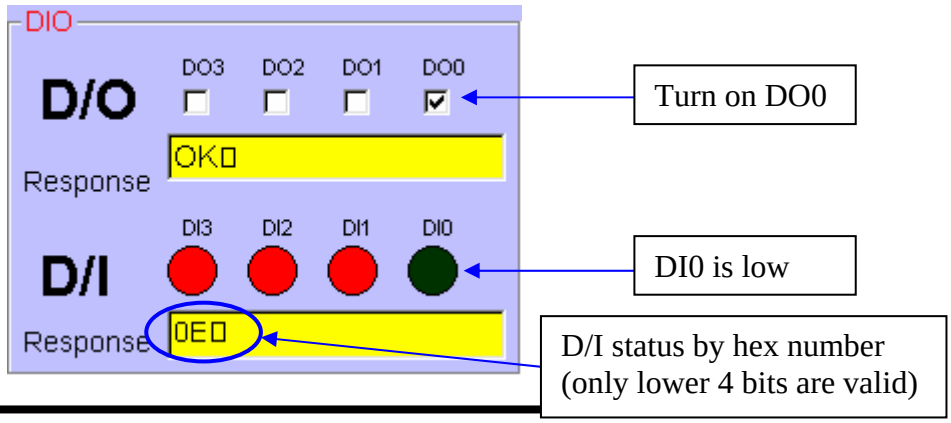
Step2: Press "**Connect**" button. Then the program will send command to readout relative information about 7188E3 and start to scan DI of 7188E3.



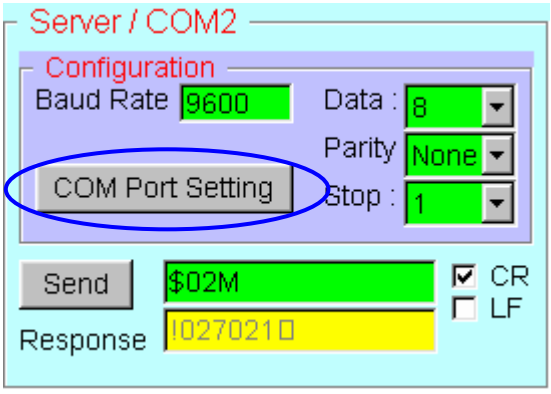
Step 3: Send "**10**" to readout the module name.



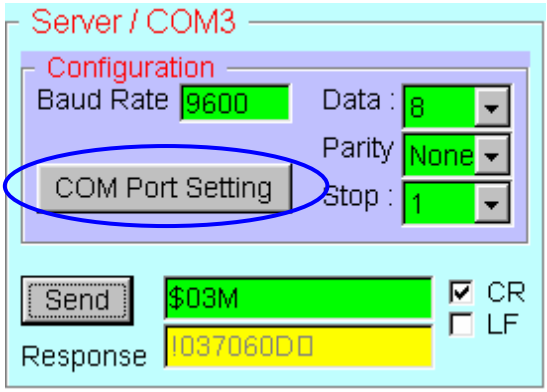
Step 4: Connect 7188E3's DI0 and DO0 and then select check box to turn on D/O channel. 7188E3.exe will auto scan D/I status every 500 ms (determined in program code).



Step 5: Send “$02M” to read 7000 module’s ID which is connected to 7188E3’s COM2.



Step 6: Send “$03M” to read 7000 module’s ID which is connected to 7188E3’s COM3.



5. Modify Xserver

Step 1: Modify Xserver demos (for example: Demo6).
Step 2: Compile the project.
Step 3: Execute 7188xw.exe to link 7188E3.
Step 4: Delete all files in Flash memory.

```
i7188e>del /y
Total File number is 3, do you really want to delete(y/n)?

i7188e>dir

Total File number is 0  Free space=196576 bytes
i7188e>_
```

Step 5: Download autoexec.bat and .exe file (for example: Demo6.exe).

```
i7188e>load
File will save to C000:0000
StartAddr-->B000:FFFF
Press ALT_E to download file!
Input filename:autoexec.bat
Load file:autoexec.bat
Send file info. total 1 blocks
Block 1
Transfer time is: 0.056000 seconds

i7188e>_
```

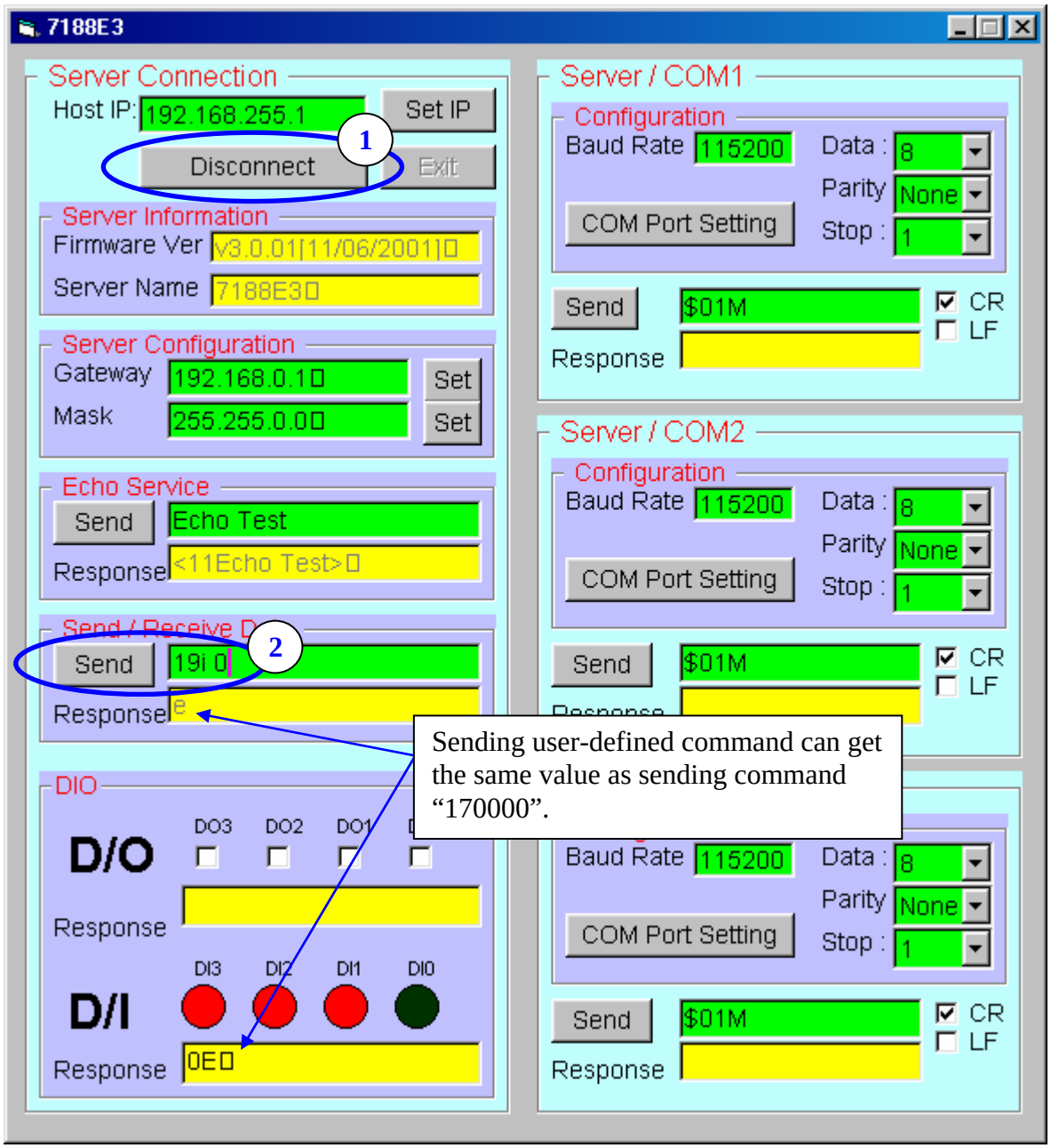
```
i7188e>load
File will save to C002:000B
StartAddr-->C000:002A
Press ALT_E to download file!
Input filename:demo6.exe
Load file:demo6.exe
Send file info. total 270 blocks
Block 270
Transfer time is: 14.553000 seconds

i7188e>
```

Step 6: Connect 7188E3's DI0 to GND and then restart 7188E3 to run new Xserver.

Step 7: Run client program in host PC (for example: 7188E3.exe). The command protocol between client program and Xserver depandent on user-defined. Send command to 7188E3 to test new user-defined command in Xserver (for example:

19i address→ Read input value from address of 7188E3
19o address value→ Output value to address of 7188E3).


7188E3
Server Connection
Host IP: 192.168.255.1
Set IP
1
Disconnect
Exit
Server Information
Firmware Ver v3.0.01[11/06/2001]
Server Name 7188E3
Server Configuration
Gateway 192.168.0.1
Mask 255.255.0.0
Set
Set
Echo Service
Send
Echo Test
Response <11Echo Test>
Send / Receive D
2
Send
19i 0
Response
DIO
D/O
DO3 DO2 DO1
Response
DI3 DI2 DI1 DI0
D/I
Response 0E
Server / COM1
Configuration
Baud Rate 115200
Data : 8
Parity None
Stop : 1
COM Port Setting
Send $01M
CR
LF
Response
Server / COM2
Configuration
Baud Rate 115200
Data : 8
Parity None
Stop : 1
COM Port Setting
Send $01M
CR
LF
Baud Rate 115200
Data : 8
Parity None
Stop : 1
COM Port Setting
Send $01M
CR
LF
Response
Sending user-defined command can get the same value as sending command “170000”.