

## Direction of “Pair Connection” function

User can refer to the following steps to setup the Pair Connection function.

Step1. Open a browser, such as IE, Firefox or Chrome, etc. Types in the IP address of I-7188EN module to enter the web page.

Step2. Check the firmware version of I-7188E module whether later than v3.2.32 [Apr 01 2014].

The screenshot shows a Firefox browser window displaying the '7188E2 Setup Page'. The address bar shows the IP address '192.168.255.1' with a red box around it and the text 'Step 1' next to it. The page title is '7188E2 Setup Page'. On the left side, there is a navigation menu with the following items: 'Firmware Version', 'Network Settings', 'COM Port Settings', and 'Misc. Settings'. The 'Firmware Version' item is highlighted with a red box. The main content area is titled '7188E2 Firmware Information' and contains a table of device information. The table has the following data:

| Device Information     |                             |
|------------------------|-----------------------------|
| Module name            | 7188E2                      |
| Alias name             | *                           |
| VCOM3 Firmware version | v3.2.32[Apr 01 2014] Step 2 |
| OS version             | v2.4.9[Aug 21 2009]         |
| OS Library version     | v2.14 [Feb 19 2014]         |
| TCP/IP Library version | 1.25 [Feb 25 2014]          |
| Free Memory (bytes)    | 45696                       |

Step 3. Select the “Baud Rate” and click “Apply current setting” item.

Step 4. Click “SET COM PORT” to setup the new configurations.

Step 5. Click “Set Remote VCOM3 connection” to enter the “Remote Vcom3 connection Setup Page”.

| Currently Used COM Port Settings |   |
|----------------------------------|---|
| COM 1:                           | 9600, 8, N, 1. FTL=1, DBDT=0:3, EndChar=00, M0, ST=200, MAT=0   |
| COM 2:                           | 115200, 8, N, 1. FTL=1, DBDT=0:2, EndChar=00, M0, ST=200, MAT=0 |

  

| Configure COM PORT   |  |
|--|--|
| Port (COM0 for ALL PORTS)  | COM 1 <b>Step 3</b>  |
| Baud Rate  | 115200 <b>Step 3</b>   |
| Data Bits  | 8  |
| Parity   | None   |
| Stop Bits  | 1  |
| Rx FIFO Trigger Level  | 1  |
| Data Buffered Delay Time(DBDT)   | <input type="text"/> ms  |
| End Char   | <input type="text"/> (hex)   |
| Operation Mode   | <input type="radio"/> M0 (Transparent Mode)<br><input type="radio"/> M1 (Slave Mode)<br><input type="radio"/> M2 (Half-Slave Mode) |
| Slave Timeout  | <input type="text"/> ms  |
| Master Ack Timeout(MAT)  | <input type="text"/> ms, 0:DISABLE   |
| <input type="checkbox"/> Save current settings to EEPROM <b>Step 3</b><br><input checked="" type="checkbox"/> Apply current settings <b>Step 3</b> |  |
| <input type="button" value="SET COM PORT"/> <b>Step 4</b>  |  |
| <input type="button" value="Set Remote VCOM3 connection"/> <b>Step 5</b>   |  |

Step6. Set the configuration of Client module. Click “Add COM” and type in the local port number to the “COM” section.

Step7. Set the configurations of Server module. Type in the parameter of “connect to COM”, “IP”, “cmd port”.

For example, if we want to use COM1 of client module ( IP: 192.168.255.1) to connect the COM2 of server module ( IP :192.168.255.2), then Add COM =1 , connect to COM =2, cmd port=192.168.255.2, cmd port=10000.

Step8. Select the “Save to EEPROM” item and then click “submit” button to save the new configurations to EEPROM.

| 7188E2 Remote Vcom3 connection Setup Page  |                                  |
|--|----------------------------------|
| #  | Local COM port / Remote COM port |
| 0  | NONE <b>Step 6</b>               |
| <input checked="" type="radio"/> Add COM 1 connect to COM 2 @ IP=192.168.255.2 cmd port=10000 (default: 10000) <b>Step 7</b><br><input type="radio"/> Add COM <input type="text"/> connect to IP= <input type="text"/> port= <input type="text"/> <input type="checkbox"/> MODBUS gateway <input type="radio"/> RTU <input type="radio"/> ASCII<br><input type="radio"/> Delete # <input type="text"/><br><input type="radio"/> Delete ALL |                                  |
| <input checked="" type="checkbox"/> Save to EEPROM <b>Step 8</b><br><input type="checkbox"/> Reload from EEPROM<br><input type="button" value="submit"/>   |                                  |

Step9. Reboot the client module for enabling the new settings.