

# **IQ/SIM LAN TCP/IP Configuration for IQ LAN Versions 0124 and above.**

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# Update Instructions

The following Update Instructions are for updating the IQ LAN (PCSC Part #: 03-10108-xxx) TCP/IP Configuration.

## Required Equipment:

1. PC or Notebook computer with a NIC
2. Web Browser (IE 5 or greater or Netscape 5 or greater.)
3. Ethernet Cross Over cable (example: Unicom E5DD-C414-WT-10TR) or attached to a hub
4. IQ 200/201 – 03-10100-xxx
5. SIM – 03-10104-xxx
6. IQ LAN – 03-10108-xxx

## Required Information:

1. LINC-NET Host IP Address
2. IQ LAN IP Address – This is the unique IP Address for each IQ or SIM.
3. Panel Number – This is the IQ or SIM panel number that the IQ LAN will be attached to. The panel number in the IQ LAN and the IQ or SIM PCB must match.
4. Any Gateway information.

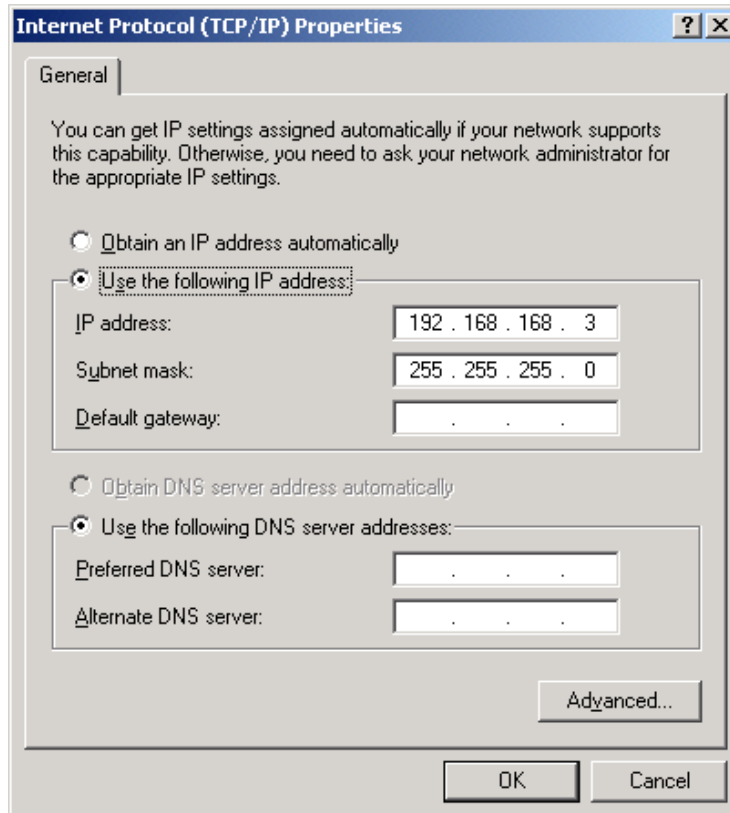
## Required firmware:

1. IQ-200 panel firmware: IQ-7.9.17gi or greater **(or)**  
SIM Panel firmware: SI 7.9.17gi or greater
2. IQ LAN version 0124 or greater

# Configuring your Host Computer

1. Change host IP to be 192.168.168.3 in your computer's TCP/IP settings - This is the default Host IP address that the IQ LAN uses for setup:
  - a. Right mouse click on "My Network Places"
  - b. Select: **Properties**
  - c. Right mouse click on "Local Area Connection"
  - d. Highlight **Internet Protocol [TCP/IP]** and Press the **Properties** button.
  - e. You will need to verify that you have "Use the following IP address" selected.

See screen below.



- f. Enter 192.168.168.3 for the I.P. address
- g. Enter 255.255.255.0 for the Subnet mask
- h. Press the OK button
- i. Reboot the host computer if necessary. Depending on you system you may or may not have to do this.

## Configuring IQ-LAN VIA the TCP/IP Configurator

Use a Web Browser to configure and view the IQ LAN Configuration Information (IE 5 or greater, or Netscape 5 or greater). You will need to know the following information, IQ LAN IP address - **192.168.168.32**, Logon Name - **admin**, and Logon Password - **PYMTF**

The following steps are for connecting and changing the TCP/IP Configuration.

1. Connect your Cross Over cable from your host to the IQ LAN

Note: Once you have powered up the IQ or SIM and have successfully made a connection to the Host, the IQ LAN R45 connectors Green LED will turn ON. You will also see the Yellow LED strobe when it is trying to communicate to the Host.

2. Open your Browser (e.g. Internet Explorer, Netscape, etc.)
3. Request the configuration form by entering the following in the "Address" field of the Browser. <http://192.168.168.32>
4. An html form will appear (figure on next page).

## TCP/IP Configuration

PCSC Configuration - Microsoft Internet Explorer  
File Edit View Favorites Tools Help  
Address http://192.168.168.32/

### TCP/IP Configuration

Logon Name (Up to 20 characters)   
Logon Password (up to 10 characters)

Name	Value	Description
Panel Number	<input type="text" value="1"/>	Our Panel Number (0 to 256).
Host IP	<input type="text" value="0"/>	TCP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET.
Our IP	<input type="text" value="192.168.168.32"/>	TCP/IP address for this device (e.g. 192.165.120.44).
Our MPM Port	<input type="text" value="3001"/>	0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port.
Our Bulk Port	<input type="text" value="3002"/>	0 to 9999 (e.g., 5500). This is Our Bulk Message TCP port.
MASK IP	<input type="text" value="255.255.255.0"/>	Network MASK IP address (e.g., 255.255.255.0).
Gateway IP	<input type="text" value="0.0.0.0"/>	Gateway IP address (e.g., 192.165.120.2).
Response Timeout	<input type="text" value="5"/>	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.
Connection Timeout	<input type="text" value="12000"/>	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.
PCSC Serial #	<input type="text"/>	Our device serial number.
Login Name	<input type="text"/>	Enter up to a 20 char. new Login Name if desired.
Password	<input type="text"/>	Enter up to a 10 char. new Login Password if desired.

Enter "Y" if messages are to be broadcast to port 1504

Version # 0124  
MAC Address 00 50 C2 0C F0 11

5. Change the appropriate values.
  - a. **Panel Number** – This must match the IQ or SIM panel number.
  - b. **Host IP** – This is the LiNC-NET Host IP
  - c. **Our IP** (IQ LAN IP) - This is the IQ LAN address that LiNC-NET will use to communicate to the IQ/SIM panel.
6. Enter the Logon Name – **admin**
7. Enter Logon Password – **PYMTF**
8. Click on the **Update** button. The following screen(s) will appear depending on the field you have changed.

PCSC Configuration - Microsoft Internet Explorer  
 File Edit View Favorites Tools Help  
 Address http://192.168.168.32/

### IQET Configuration

Logon Name (Up to 20 characters)   
 Logon Password (up to 10 characters)

Name	Value	Description
Panel Number	<input type="text" value="2"/>	Our Panel Number (0 to 256).
Host IP	<input type="text" value="0"/>	TCP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET.
Our IP	<input type="text" value="192.168.168.32"/>	TCP/IP address for this device (e.g. 192.165.120.44).
Our MPM Port	<input type="text" value="3001"/>	0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port.
Our Bulk Port	<input type="text" value="3002"/>	
MASK IP	<input type="text" value="255.255.255.0"/>	Network MASK IP address (e.g., 255.255.255.0).
Gateway IP	<input type="text" value="0.0.0.0"/>	Gateway IP address (e.g., 192.165.120.2).
Response Timeout	<input type="text" value="5"/>	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.
Connection Timeout	<input type="text" value="12000"/>	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.
PCSC Serial #	<input type="text"/>	Our device serial number.
Login Name	<input type="text"/>	Enter up to a 20 char. new Login Name if desired.
Password	<input type="text"/>	Enter up to a 10 char. new Login Password if desired.

Enter "Y" if messages are to be broadcast to port 1504

Version # 0124  
 MAC Address 00 50 C2 0C F0 11

PCSC Configuration - Microsoft Internet Explorer

Address: http://192.168.168.32/

### TCP/IP Configuration

Logon Name (Up to 20 characters)

Logon Password (up to 10 characters)

Name	Value	Description
Panel Number	<input type="text" value="1"/>	Our Panel Number (0 to 256).
Host IP	<input type="text" value="192.168.168.1"/>	TCP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET.
Our IP	<input type="text" value="192.168.168.32"/>	TCP/IP address for this device (e.g. 192.165.120.44).
Our MPM Port	<input type="text" value="3001"/>	0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port.
Our Bulk Port	<input type="text" value="3002"/>	0 to 9999 (e.g., 5500). This is the Our Bulk Message TCP port.
MASK IP	<input type="text" value="255.255.255.0"/>	Network MASK IP address (e.g., 255.255.255.0).
Gateway IP	<input type="text" value="0.0.0.0"/>	Gateway IP address (e.g., 192.165.120.2).
Response Timeout	<input type="text" value="5"/>	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.
Connection Timeout	<input type="text" value="12000"/>	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.
PCSC Serial #	<input type="text"/>	Our device serial number.
Login Name	<input type="text"/>	Enter up to a 20 char. new Login Name if desired.
Password	<input type="text"/>	Enter up to a 10 char. new Login Password if desired.

Enter "Y" if messages are to be broadcast to port 1504

Version # 0124  
MAC Address 00 50 C2 0C F0 11

9. Close the Browser. You will have to change your Host IP to match the Host IP address just entered in the TIP/IP Configuration
10. Re-open the Browser. Call out the new IQ LAN address. You should now see all of the updated information.

Note: Once you have changed the Host IP in the IQ LAN, the host IP must match. If they do not then you will not be able to view the TCP/IP configuration information.

**Update IQ/SIM Panel firmware** – Reference IQ-200 Downloader Installation Instructions Technical Bulletin 39-10050-001



# Resetting the LAN Board

If the the IQ/SIM LAN board is accidentally set to an incorrect (and/or unknown) IP address, it is possible to reset the IQ/SIM LAN board to original default IP address.

1. Power off the IQ/SIM board.
2. Reset DIPswitch to 77Hex (11101110)
3. Power up the board. The IQ/SIM board LED Array will initially show **8.8.**, then **8.6.**, then **8.8.** once again –board is now reset. The board reset has created the following default values:
  - a. Logon is “**admin**”
  - b. Password is “**PYMTF**”
  - c. “Host IP” is reset to ‘**0**’
  - d. “Our IP” is reset to 192.168.168.32
4. Using your Internet browser, type in the IP address 192.168.168.32. The IQ/SIM LAN should be in default mode.

**NOTE** your computer’s TCP/IP has to be set to the 192.168.168.xxx for proper communication to the panel.
5. See page 6 , steps 5 through 8, for proper resetting of the TCP/IP configuration for the board.

end/