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

Technical Bulletin 39-30005-001 REV: A

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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.

Internet Protocol (TCP/IP) Propertie	-s ? X				
General					
I You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.					
C Obtain an IP address automatical	ly				
Use the following IP address:					
<u>I</u> P address:	192.168.168.3				
S <u>u</u> bnet mask:	255.255.255.0				
Default gateway:	· · ·				
C Obtain DNS server address autor	natically				
─● Use the following DNS server ad	dresses:				
Preferred DNS server:	· · ·				
Alternate DNS server:	· · ·				
Ad <u>v</u> anced					
	OK Cancel				

- 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. <u>http://192.168.168.32</u>
- 4. An html form will appear (figure on next page).

TCP/IP Configuration

Effe Logon Particles Logon Particles Image: Contract of the provided of the pro	PCSC Configuration -	Microsoft Internet Expl	orer	_ = 🔀		
Address @ http://192.168.168.32/	<u>File E</u> dit <u>V</u> iew F <u>a</u> vorite	s <u>T</u> ools <u>H</u> elp				
TCP/IP Configuration Logon Name (Up to 20 characters) Logon Password (up to 10 characters) Name Value Description Name 0 CP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET Our IP 192.168.168.32 CCP/IP address for this device (e.g. 192.165.120.44). Our MPM Fort 3001 0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port. Our Bulk Fort 3002 0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port. MASK IP 255.255.255.0 Network MASK IP address (e.g., 255.255.255.0). Gateway IP 0.0.0 Gateway IP address (e.g., 192.165.120.2). Response Timeout 5 If response will not occur in 99999 ms (e.g., 47), delay response will be sent. Connection Timeout 1000 Fino data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted. PCSC Serial # Our device senial number. Our device senial number. Login Name Enter up to a 20 char. new Login Password if desired. Password Enter up to a 10 char. new Login Password if desired. Password D124 Warci Address 00 50 C2 0C E0 11 Marci Address 00 50 C2 0C E0 11	Address 🙋 http://192.168.1	68.32/		💌 🔁 Go		
Logon Name (Up to 20 characters) Logon Password (up to 10 characters) Name Value Description Panel Number 1 Our Panel Number (0 to 256). Host IP 0 TCP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET. Our IP 192.168.168.32 TCP/IP address for this device (e.g. 192.165.120.44). Our MPM Port 3001 0 to 9999 (e.g., 5500). This is the Our MPM Message TCP port. Our Bulk Port 3002 0 to 9999 (e.g., 5500). This is Our Bulk Message TCP port. MASK IP 255.255.255.0 Network MASK IP address (e.g., 192.165.120.2). Gateway IP 0.0.0 Gateway IP address (e.g., 192.165.120.2). Response Timeout 5 If response will not occur in 99999 ms (e.g., 47), delay response will be sent. Connection Timeout 12000 If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted. PCSC Serial # Our device serial number. Our device serial number. Login Name Enter up to a 20 char. new Login Name if desired. Password Enter up to a 10 char. new Login Password if desired. Version # 0124	TCP/IP Configuration					
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Gateway IP 0.0.0 Gateway IP address (e.g., 192, 165, 120, 2). Response Timeout 5 If response will not occur in 99999 ms (e.g., 47), delay response will be sent. Connection Timeout 12000 If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted. PCSC Serial # Our device serial number. Login Name Enter up to a 20 char. new Login Name if desired. Password Enter up to a 10 char. new Login Password if desired. Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 OC E0 11	MASK IP	255.255.255.0	Network MASK IP address (e.g., 255.255.255.0).			
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Connection Timeout 12000 If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted. PCSC Serial # Our device serial number. Login Name Enter up to a 20 char. new Login Name if desired. Password Enter up to a 10 char. new Login Password if desired. Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 0C E0 11	Response Timeout	5	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.			
PCSC Serial # Our device serial number. Login Name Enter up to a 20 char. new Login Name if desired. Password Enter up to a 10 char. new Login Password if desired. Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 0C E0 11	Connection Timeout	12000	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.			
Login Name Enter up to a 20 char. new Login Name if desired. Password Enter up to a 10 char. new Login Password if desired. Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 0C E0 11	PCSC Serial #		Our device serial number.			
Password Enter up to a 10 char. new Login Password if desired. Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 0C E0 11	Login Name		Enter up to a 20 char. new Login Name if desired.			
Enter "Y" if messages are to be broadcast to port 1504 N Version # 0124 MAC Address 00 50 C2 0C E0 11	Password		Enter up to a 10 char. new Login Password if desired.			
Update						

- 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			_ 2 🛛	
File Edit View Favorite	s Tools Help			
Address 🛃 http://192.168.1	68.32/		💌 🄁 Go	
Logon Name (Up to 20 characters) admin Logon Password (up to 10 characters)				
Name	Value	Description		
Panel Number	2	Our Panel Number (0 to 256).		
Host IP	0	TCP/IP Host IP address (e.g. 192.165.120.112). If 0 than any host may connect to the IQET.		
Our IP	192.168.168.32	TCP/IP address for this device (e.g. 192.165.120.44).		
Our MPM Port	3001	0 to 0000 (c.g. 5500). This is the Over MDM Message TCD post		
Our Bulk Port	3002 One m	oment please, processing your request.		
MASK IP	255.255.255.0	Network MASK IP address (e.g., 255.255.255.0).		
Gateway IP	0.0.0.0	Gateway IP address (e.g., 192.165.120.2).		
Response Timeout	5	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.		
Connection Timeout	12000	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.		
PCSC Serial #		Our device serial number.		
Login Name		Enter up to a 20 char. new Login Name if desired.		
Password		Enter up to a 10 char. new Login Password if desired.		
Enter "Y" if messag Version # 0124 MAC Address 00 50 (Update	es are to be broadcast C2 OC F0 11	: to port 1504 N	~	

🗐 PCSC Configuration - Microsoft Internet Explorer 📃 🗗					
File Edit View Favorite	s Tools Help				
Address 🛃 http://192.168.1	68.32/		💌 🔁 Go		
TCP/IP Configuration					
Logon Name (Up to 2	20 characters) ac	dmin			
Logon Password (up	to 10 characters) 👓				
Name	Vali	le Description			
Panel Number	1	Our Panel Number (0 to 256).			
Host IP	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	192.168.168.32	TCP/IP address for this device (e.g. 192.165.120.44).			
Our MPM Port	3001	0 to 0000 (o.g., 5500). This is the Over MDM Message TCP port.			
Our Bulk Port	3002 Reset	ting critical parameters _{ort}			
MASK IP	255.255.255.0	Network MASK IP address (e.g., 255.255.255.0).	=		
Gateway IP	0.0.0.0	Gateway IP address (e.g., 192.165.120.2).			
Response Timeout	5	If response will not occur in 99999 ms (e.g., 47), delay response will be sent.			
Connection Timeout	12000	If no data is received from the host in 99999 ms (e.g., 20000), the IQET will be restarted.			
PCSC Serial #		Our device serial number.			
Login Name		Enter up to a 20 char. new Login Name if desired.			
Password		Enter up to a 10 char. new Login Password if desired.			
Enter "Y" if messages are to be broadcast to port 1504 N					
version # 0124 MAC Address 00 50 C2 0C F0 11					
(mm m m m m m m m m m m m m m m m m m m			~		

- 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/