i.LON®600 LONWORKS®/IP Server

Quick Start Guide

Install the *i*.LON 600 software

- Insert the *i*.LON 600 CD into your PC. If the installation program fails to start, navigate to your CD-ROM drive and double-click *setup.exe*.
- 2. Follow the instructions in the Setup Wizard.



Connect the *i*.LON 600 hardware directly to your PC using an Ethernet cable

- If your PC is not on the 192.168.1.0 subnet, open a DOS command prompt and issue the following command: route add 192.168.1.0 mask 255.255.255.0 %computername% Your PC may also need a static IP address.
- 2. Open Internet Explorer and enter the following URL: 192.168.1.222 (the *i*.LON 600 default IP address)
- 3. Click TCP/IP in the Setup menu.

	SETUP HEL	P HOME
	TCP/IP	
	ТСРЛР	
y/µp Wonss ♥ uarity teom Info teom Info teom Perfaults	Property	Value
	Ethernet MAC address	00-D0-71-00-A6-1E
	C Automatically obtain IP address *	Manually configure IP settings *
	IP address *	10 . 2 . 11 . 180
	Subnet mask *	255 , 255 , 0 , 0
	Default gateway *	10 2 0 1
	Web server port *	80
	FTP server port *	21
	Host name *	ILON600
	Time server 1 **	0.0.0.0:0
	Time server 2 **	0.0.0.0:0
	Time of last SNTP sync	Unknown
	Time zone **	(GMT-08:00) Pacific Time (US & Canada); Tijuana
	Date and local time	WED 2003 SEP • 24 • 13 : 24

- 4. Enter ilon in the User Name and ilon in the Password fields and click **OK**.
- 5. Enter a new set of TCP/IP parameters.
- 6. Click Submit.
- 7. Reboot your *i*.LON 600 for the parameters to take effect.
- 8. Connect the *i*.LON 600 to your network.

Routing LonTalk® Over IP



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This quick start is available in video form on the i.LON 600 LONWORKS/IP Server distribution CD under the \VIDEOS subdirectory.

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Create the LonWorks/IP channel using the Configuration Server

1. Click Start | Programs | Echelon i.LON 600 | LONWORKS-IP Configuration Server. The Configuration Server should automatically detect and display the IP address of your PC.



- 2. Add your *i*.LON 600 device to the LONWORKS/IP channel by right clicking on *New Channel* in the device tree and selecting *New Device*. Enter a name for your *i*.LON.
- Double click the entry created in step 2 and enter the IP address & time zone for your *i*.LON in the dialog provided.
- 4. Repeat steps 2 & 3 for all *i*.LONs in your LONWORKS/IP channel.
- 5. When all devices have been added to the device tree, right click on *New Channel* and select *Update Members*.
- 6. Verify that all icons representing *i*.LON 600 devices turn green.

Create a new network using the LonMaker™ Tool

 With the configuration server still running in the background, start the LonMaker tool and create a new network drawing.



i.LON[®]600 LONWORKS[®]/IP Server

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- 3. Click TCP/IP in the Setup menu.

	SETUP REL	р ноне
	TCP/IP	
a.*	Property Ethernet MAC address	Value 00-00-71-00-46-1E
r Info	C Automatically obtain IP address *	Manually configure IP settings*
Defaults	IP address *	10 . 2 . 11 . 180
	Subnet mask*	255 255 0 0
	Default gateway "	10 2 0 1
	Web server port *	80
	FTP server port *	21
	Hott page *	ILON600
	Time server 1 **	0.0.0.0:0
	Time server 2 **	0.0.0.0:0
	Time of last SNTP sync	Unknown
	Time zone **	(GMT-08:00) Pacific Time (US & Canada); Tijuana
	Date and local time	WED 2003 SEP • 24 • 13 : 24 :

- 4. Enter ilon in the User Name and ilon in the Password fields and click **OK**.
- 5. Enter a new set of TCP/IP parameters.
- 6. Click Submit.
- 7. Reboot your *i*.LON 600 for the parameters to take effect.
- 8. Connect the *i*.LON 600 to your network.

Create a local LonWorks/IP Interface

- 1. Click Start | Settings | Control Panel | LONWORKS/IP Channel Interface and run the LONWORKS/IP Channel Interface control panel applet.
- Click the *Add* button. Enter a name for your PC (note that the IP address and port have already been filled in for you).

LonWorks/IP Chann	els	? ×
LonWorks/IP Device		
IP Name	IP Address	IP Port
myvni	10. 5.250.17	1628
Test	Add Edit	Remove
Time Server		
Server Address 1	Server Add	tress 2
🔽 Do not use an S	SNTP server	
	<u>ОК</u>	Help

Using the *i*.LON 600 as a Network Interface



This quick start is available in video form on the i.LON 600 LONWORKS/IP Server distribution CD under the \VIDEOS subdirectory.

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Create the LonWorks/IP channel using the Configuration Server

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1. Click **START** | **PROGRAMS** | **Echelon** *i*.**LON 600** | **LONWORKS-IP Configuration Server**. The Configuration Server should automatically detect and display the IP address of your PC.



2. If your network management tool uses LNS[®] 3.0x, doubleclick **New Channel** and select **Backward Compatible**.

Channel Mode			
Backward Compatible			
(required for i.LON 1000 and LNS 3.0x)			
C Standard EIA-852			
C Extended Firewall Support			

- 3. Add your *i*.LON 600 device to the LONWORKS/IP channel by right clicking on *New Channel* in the device tree and selecting *New Device*. Enter a name for your *i*.LON.
- 4. Double click the entry created in step 3 and enter the IP address & time zone for your *i*.LON in the dialog provided.
- 5. Repeat steps 3 & 4 to add your PC. (The configuration server treats a PC with a local LONWORKS/IP interface in the same way it treats an *i*.LON 600.)
- 6. When all devices have been added to the device tree, right click on *New Channel* and select *Update Members*.
- 7. Verify that the icons representing *i*.LON 600 and PC turn green. If the PC's icon does not turn green, open the LonMaker[™] tool using the local LONWORKS/IP interface as the network interface and repeat step 6.

Create a new network using the LonMaker Tool

 With the configuration server still running in the background, start the LonMaker tool and create a new network drawing. (Be sure to select the interface "myvni" that you created in section 3 as your network interface.)

