

Programming the iCOM or iCOM-E through Telnet

About Telnet Programming

Telnet allows you to program the iCOM or iCOM-E from a remote location using a standard telnet program. A Telnet program is a remote access protocol you can use to log on to a remote computer, network device, or private TCP/IP network.

Note: After a set period of inactivity, the iCOM or iCOM-E automatically disconnects from the Telnet connection.

Accessing the iCOM or iCOM-E through Telnet

Opening Telnet differs slightly depending on the operating system installed on the computer. Please follow the appropriate directions for the operating system installed on the computer using Telnet to connect to the iCOM or iCOM-E.

Windows 95/98

To open Telnet, click **Start**, click **Run**, and then type **telnet**. You can also type **telnet** at the command prompt.

When Telnet is open go to **Connect > Remote System**. Below are two methods to connect to the iCOM or iCOM-E.

A. Enter the gateway IP Address of the computer in the **Host Name** field of the **Connect** dialog box. Select **Telnet** for the **Port**. Press the **Connect** Button.

Then enter the iCOM or iCOM-E IP Address, a space, and the Telnet port number, which is **9999** by default. For example, enter 192.168.0.250 9999. Press the Enter key.

B. Enter the IP Address of the iCOM or iCOM-E in the **Host Name** field of the **Connect** dialog box. Enter **9999**, or the programmed Telnet Port in the **Port** field. Press the **Connect** Button.

Before the iCOM or iCOM-E programming screen appears, you must enter the password. **NEW** is the default password. Type the password in all capital letters and press the Enter key. After changing the default password, you must enter the new password, in all capital letters, whenever the Telnet screen first opens. **If you are not using the password, type lower case xxx and press Enter.** After you properly enter the Password, a screen similar to Figure 1 displays.

Note: For a list of Telnet commands, access the Help drop down menu.

Windows 2000/XP

To open Telnet, click **Start**, click **Run**. In the field, type **telnet** and click **OK**. You can also type **telnet** at the command prompt. When the Telnet screen opens, type **open**, a space, the iCOM or iCOM-E IP Address, a space, and the port number, which is normally 9999. For example, enter **open 192.168.0.250 9999**. Press the Enter key.

Before the iCOM or iCOM-E programming screen appears, you must enter the password. **NEW** is the default password. Type the password in all capital letters and press the Enter key. After changing the default password, you must enter the new password, in all capital letters, whenever the Telnet screen first opens. **If you are not using the password, type lower case xxx and press Enter.** After you properly enter the Password, a screen similar to Figure 1 displays.

Note: For a list of Telnet commands, type help and press the Enter key.

```

**Digital Monitoring Products Ethernet Bridge**
                                     ..... iCOM
Firmware Version: 103      10/01/03
Ethernet Address: 0 90 C2 80 15 10
*****Programmable Parameters*****
1. Local IP Address..... 192.168.000.250
2. Gateway Address..... 000.000.000.000
3. Subnet Mask..... 255.255.255.000
4. Remote IP Address..... 000.000.000.000
5. Enable TCP Comms..... Y
6. Local/Remote Port..... 2001
7. Telnet Port..... 9999
8. RS232 Baud Rate..... 9600
9. Panel Mode Enabled..... Y
A. Password Enabled..... Y
B. DHCP Mode Enabled..... N
C. Telnet Enabled..... Y
D. Passphrase.....
S. SAVE AND EXIT
X. EXIT WITHOUT SAVE
*****
Enter Command ( 1 to 9, A to D, S, X ) and Enter. >
    
```

Figure 1: iCOM or iCOM-E Programming through Telnet

Programming the iCOM or iCOM-E through Telnet

Note: Programming changes do not take affect until you Save and Exit. When DHCP Mode is set to Yes, any static IP Address entered at the Local IP Address prompt is replaced by a dynamic IP Address when you Save and Exit. To immediately refresh the connected router ARP cache, power down and power up the iCOM/ iCOM-E.

The IP addresses and other values shown may vary from what you see on your screen. Contact your system administrator for the network configuration information you should assign to the iCOM or iCOM-E, such as the Local IP Address.

To configure each setting, type the line number for that setting, press Enter, and the screen prompts you for the setting you need to enter. The programming options are the same whether you are programming with Telnet, Hyperterminal, or a keypad.

Refer to the iCOM™ Network Alarm Router and iCOM-E Network Alarm Router Installation Sheet (LT-0587) for complete installation and programming instructions.

Disconnecting and Closing Telnet

After you complete programming, disconnect from the iCOM or iCOM-E by following the proper set of directions below.

Windows 95/98

Type either **S** or **X** and press Enter. Select **Disconnect** from the **Connect** menu. Then select **Exit**.

Windows 2000/XP

Type either **S** or **X** and press Enter. Then type **quit**.

Listings and Approvals

Underwriters Laboratories (UL) Listed
UL 365 Police Connected Burglar
UL 609 Local Burglar
UL 1023 Household Burglar
UL 1076 Proprietary Burglar
UL 1610 Central Station Burglar
UL 1635 Digital Burglar
UL 985 Household Fire Warning
UL 864 Fire Protective Signaling

UL Encrypted High Line Security

California State Fire Marshal (CSFM)

FCC Part 15

NIST AES Algorithm Certificate #66 for iCOM-E only. See
<http://csrc.nist.gov/cryptval/aes/aesval.html>

Note: The iCOM-E cannot be exported outside the United States.



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2500 North Partnership Boulevard

Springfield, Missouri 65803-8877

