



Quick Setup Guide

for the

TC2677 Ethernet Display

©2003 I-O Corporation.
I-O® is a registered trademark of I-O Corporation.
All other trade names or product names referenced
are servicemarks, trademarks or registered trademarks
of their respective companies.

I-O Corporation, 1490 North 2200 West, Suite 100, Salt Lake City, UT 84116 www.iocorp.com
Sales: 801-973-6767 sales@iocorp.com
Technical Support: 801-972-1446 support@iocorp.com

I. **Inspect** the package for damage.

II. **Connect** the components to TC2677 Ethernet Display.

Do this....

1. Connect the monitor (if using a monochrome monitor, set Switch 2 in the down position)
2. Connect the keyboard
3. Connect the Ethernet cable
4. Connect the printer
5. Connect the power supply and power up the monitor.

Refer to this resource....

- TC2677 Ethernet Display User's Guide
(Found on the I-O Configuration Utility CD)

III. **Configure** the TC2677 Ethernet Display

The TC2677 can be configured locally using the on-screen setup process or remotely using the I-O Configuration Utility found on the Utility CD. (The I-O Configuration Utility is not required to configure the TC2677, but must be used whenever a firmware update is to be applied.) Both methods are described in the following pages.

**To Configure the TC2677 using
Local Setup, do this....**

1. After connecting the power to the TC2677, the Link LED will turn on and the Activity LED will flicker on and off (if there is a good connection to the LAN).
2. When the "Connecting...." Bar appears across the top of the screen, **press the SETUP key**. The first of four setup screens will appear.
3. On Setup Screen 1, **enter the host information** that the TC 2677 will be connecting to:
 - a. For each display session and/or the printer session, enter the following:
 - 1) IP Address of the AS/400 (must enter leading zeros).
 - 2) Telnet Device Name that this session will be identified by at the host.
 - 3) Telnet Port defaults to 23, may be changed if required for firewall access.
Note: at least one display connection must be configured in Session 1.
 - b. Select whether to print a connection status page that tells whether a printer session is connected to the host. This connection status page will also identify any host connection errors that may occur.
 - c. Select whether to suppress sending printer status messages (off line, out of paper) to the host by using the space bar to change the option from Yes to No.
 - d. Press the ENTER key to proceed to the next screen.
4. On Setup Screen 2, you will **assign the TC2677's IP address**.
 - a. If the address is to be assigned automatically by DHCP, simply press the ENTER key and proceed to step 5. Otherwise, press the SPACE Bar to select Disable. Then use the UP ARROW key to move to the Terminal IP Address field.
 - b. Enter the IP Address of the TC2677 (must enter leading zeros).
 - c. If needed, enter the IP address of the router or gateway serving the TC2677 (must enter leading zeros).
 - d. Enter the Subnet Mask for the TC2677 (must enter leading zeros).
 - e. Press ENTER to proceed to the next screen.
5. On Screen 3, you will **select the TC2677 default display settings**.
 - a. In the Language field, select the language configured on the host. (Setup screens will continue to be displayed in US/English.)
 - b. In the Multinational field, select "No," if the host system is configured for the "base" table of each language (e.g. USB for U.S. base). Select "Yes", only if the host system is configured for multinational.
 - c. In the Power Save field, select whether to disable the power save mode or how long you want the monitor to remain powered up and showing a screen. If your monitor does

Refer to this resource....

- TC2677 Ethernet Display User's Guide
(Found on the I-O Configuration Utility CD)


Configuration Hints....

- Use the arrow keys to move up, down, left and right
- Use the ENTER key to move to the next screen
- Leading zeros must be entered

- not support this feature, then select Disabled. The blanked screen is restored when the host communication is resumed or when a key is pressed. The power to the logic board is always on.
- d. In the Ruler Style field, select the type of ruler to be displayed when the ruler feature is activated.
 - e. In the Key-click field, select the volume of the key click (the sound made when keys on the keyboard are pressed).
 - f. In the Alarm Volume field, select the volume of the alarm that is used to attract the user's attention.
 - g. In the Type Ahead field, select whether to activate the TC2677's feature of typing ahead even when host input is inhibited. (In some versions of firmware this is always enabled.)
 - h. Press ENTER to proceed to the next screen.
6. On Screen 4, if there is a printer attached, you will **select the print driver**, the port the printer is attached, and configure the port.
 - a. In the Printer Driver field, select the appropriate driver for the type of printer you have attached to the TC2677.
 - b. In the Printer Port field, select whether the printer is attached to the parallel or serial port.
 - c. If the printer is attached to the parallel port, in the Parallel Settings field, select the type of parallel interface to be used. If uncertain, select Standard.
 - d. If the printer is attached to the serial port, select the Baud Rate, Parity, and Stop Bits.
 - e. Press ENTER when done.
 7. A screen will appear indicating that changes have been made to the configuration. **Select "Y" to save the changes.**
 8. The TC2677 will beep, and restart. After a few seconds, the "Connecting..." screen will appear, then it will clear and the cursor will appear in the upper left corner for a few seconds more. Then a host sign-on screen will appear.

To Configure the TC2677 using the I-O Configuration Utility, do this....

Refer to these resources....

1. **Install the I-O Configuration Utility.**
 - a. Insert the I-O Configuration Utility CD in the CD-ROM drive of a Windows 95 or newer PC.
 - b. Click Start | Run, and enter "d:\configuration utility\setup.exe", click OK.
 - c. Follow the on screen prompts.
 2. At this point the TC2677 and monitor should be powered up (the Link LED will be on and the Activity LED will flicker if there is a good connection to the LAN) and the "Connecting..." Bar will be displayed across the top of the screen.
 3. **Run the I-O Configuration Utility** by clicking on Start | Programs, navigate to the I-O Configuration Utility Group, and click on the Configuration Utility option.
 4. In the List of Devices, you will find an entry with a type of Display with the serial number for the TC2677 that you want to configure. If there is no entry, click on the Rescan icon  to refresh the list. **Double click on the desired TC2677.**
 5. On the General tab, **enter the name** you would like this TC2677 to appear on the I-O Configuration Utility's List of Devices screen in the Local Device Name field.
 6. On the Host Connection tab, **enter information about the hosts** that the TC2677 will be connecting to:
 - a. For each display session and/or the printer session, enter the following:
 - 1) IP Address of the AS/400.
 - 2) Telnet Device Name that this session will be identified by at the host.
 - 3) Telnet Port defaults to 23, may be changed if required for firewall access.Note: at least one display connection must be configured in Session 1.
 - b. Check the Print Connection Status check box to activate the option to print a connection status page that tells whether a printer session is connected to the host. This connection status page will also identify any host connection errors that may occur.
 - c. Check the Disable Sending Printer Status Messages to Host check box to suppress sending printer status messages (off line, out of paper) to the host.
 7. On the TCP/IP Settings tab, **assign the IP address for the TC2677:**
 - a. To have the IP address automatically assigned by DHCP, check the DHCP Enabled check box and then proceed to step 9. Otherwise, uncheck the DHCP Enabled check box to assign the IP address manually,
 - b. In the IP Address field, enter the address.
 - c. In the Default Router field, enter the IP address of the router or gateway serving the TC2677.
 - d. In the Subnet Mask field, enter the subnet mask for the TC2677.
- TC2677 Ethernet Display User's Guide
 - I-O Configuration Utility Help
- (Found in the I-O Configuration Utility Help Menu)

8. On the Display Setup tab, you will **select the TC2677 default display attributes**:
 - a. In the Default Language field, select the language configured on the host.
 - b. In the Multinational field, select "No," if the host system is configured for the "base" table of each language (e.g. USB for U.S. base). Select "Yes", only if the host system is configured for multinational.
 - c. In the Power Save field, select whether to disable the power save mode or select how long you want the monitor to remain powered up and showing a screen. If your monitor does not support this feature, then select Off. The blanked screen is restored when the host communication is resumed or when a key is pressed. (The power to the logic board is always on.)
 - d. In the Ruler Style field, select the type of ruler to be displayed when the ruler feature is activated.
 - e. In the Key-click field, select the volume of the key click (the sound made when keys on the keyboard are pressed).
 - f. In the Alarm Volume field, select the volume of the alarm that is used to attract the user's attention.
 - g. In the Type Ahead field, select whether to active the TC2677's feature of typing ahead even when the host is in an input inhibited state.
 - h. In the Local Setup field, select whether to allow the Local Setup function to be enabled or not. If disabled, configuration of the TC2677 can only be done using the I-O Configuration Utility.
9. On the Printer Port Settings tab, you will **configure the print driver**, select the port the printer is attached to, and configure the port.
 - a. In the Printer Driver field, select the appropriate driver for the type of printer you have attached to the TC2677.
 - b. Select whether the printer is attached to the parallel or serial port by clicking on the appropriate radio button.
 - c. If the printer is attached to the parallel port, in the Parallel Port field, select the type of parallel interface to be used. If uncertain, select Standard.
 - d. If the printer is attached to the serial port, select the Baud Rate, Parity, and Stop Bits.
10. When complete with all settings on all the tabs, click OK. You will be presented with a confirmation screen, click Yes to **save the settings** and the TC2677 will reset.
11. The TC2677 will beep, and restart. After a few seconds, the "Connecting..." screen will appear, then it will clear and the cursor will appear in the upper left corner for a few seconds more. Then a host sign-on screen will appear.

IV. **Operational Notes:**

- To rotate through the active sessions, press the ALT-JUMP key sequence.
- The Link LED will blink off momentarily approximately every five seconds to indicate that the TC2677 is active.
- If the monitor is in power save mode, touch any key like the SPACE BAR to redisplay the screen.
- To stop using the TC2677, logoff all sessions. Then you may either power off the monitor, or press ALT-ALT-D to manually dim the monitor or allow the power saver mode to activate and automatically dim the monitor. The TC2677 is designed not to be powered off.

Note: If you desire to turn the power off on the TC2677, make certain that you are signed off all session, then press ALT-ALT-L to properly disconnect all sessions from the host(s).

- To reconnect any session that is not currently active, press ALT-ALT-C to cause the TC2677 to contact a host whose session is not currently active.
- If power to the TC2677 is turned off and back on but a signon screen is not presented (the cursor will be in the upper left corner of the screen), it will be necessary to vary off the display and printer devices as well as manually end the Telnet sessions on the IBM Host.
 1. To vary off a device, on the AS/400, at a command line, enter “wrkdevd [device name]”, press ENTER. Select the work with status option, then the vary off option.
 2. To end the Telnet sessions, on the AS/400 at a command line, enter “netstat”, select the Work with TCP/IP Connection Status option, press ENTER. (You may also use the “wrktcpsts *dev [device name]” command.) Scroll until entries for the IP address of the TC2677 are found (there will be one entry for each session). Select the option to end these sessions.
 3. On the TC2677, press ALT-ALT-C to reconnect the sessions.