

# Interpretype® Setup Procedure for TCP/IP Connections

**The designated System Administrator must perform the following procedures for proper operation and to prevent logon issues or unauthorized access.**

## Overview:

To configure ITY software to communicate through TCP/IP connections you must first create a Virtual Serial Port using ITY-Com software. Then set the ITY Communicator software to communicate through that Virtual Serial Port address.

## Part 1: Setup the ITY Server

1. Choose the pc with the label "ITY Server" placed above your keyboard. Turn this computer on first.
2. After the computer has finished booting, launch a program called ITY-Com from the windows Start button on the toolbar if it has not done so already.
3. Click on the "Connector" drop down box and select a COM port between 1 and 9. We recommend 9.
4. After selecting the COM port, check the box entitled "Create Virtual COM port".
5. Click the radio button entitled "This PC will act as a TCP Server".
6. The IP address of the computer should display in the "Local IP Address" window.
7. Write down the IP address used for this server.
8. In the upper left corner of the ITY-Com window, select: File then Options.
9. Check the box entitled: "Load ITY-Com with Windows at startup" then click the "OK" button.
10. In the upper left corner of the ITY-Com window select: File then Save as.
11. Click on the name "default.t2c" so that it appears in the File name box. Then click save.
12. Click the "Activate" button. You should hear the USB engage sound, the button will change to "De-Activate" and the lower left box will display "Virtual Port COM9 created".
13. Finally, MINIMIZE this window; if you close this window it will deactivate the virtual serial port you just created. An ITY-Com icon will appear in the system tray.

## Part 2: Setup the ITY Client

1. Now turn on the other ITY Computer; this is your ITY Client.
2. Launch a program called ITY-Com from the windows Start button on the toolbar.
3. Click on the "Connector" drop down box and select a COM port between 1 and 9. We recommend 9.
4. After selecting the COM port, check the box entitled "Create Virtual COM port".
5. Click the radio button entitled "This PC will act as a TCP Client".
6. Enter the IP address of the designated ITY Server in the "Remote Host IP Address" window. This is the same IP address from step 6-7 when you set up the ITY Server.
7. In the upper left corner of the ITY-Com window, select: File then Options.
8. Check the box entitled: "Load ITY-Com with Windows at startup" then click the "OK" button.
9. In the upper left corner of the ITY-Com window select: File then Save as.
10. Click on the name "default.t2c" so that it appears in the File name box. Then click save.
11. Click the "Activate" button. You should hear the USB engage sound, the button will change to "De-Activate" and the lower left box will display "Virtual Port COM9 created".
12. Finally, MINIMIZE this window; if you close this window it will deactivate the virtual serial port you just created. An ITY-Com icon will appear in the system tray.

## Part 3: Select the ITY Communicator Port

1. Launch the Interpretype program. The Interpretype software will try to establish communication with the ITY computer when launched. If a valid Communications port is found, no warnings will appear.
2. If there is a communication failure, the Communications tab will appear automatically. If the tab does not appear, select: File then Setup Options. Make sure that you are viewing the tab entitled "Communications."
3. In the Communications window, there are 9 choices; Com 1 through Com 9. The Com port highlighted in blue is the currently selected Com port. Select the port number that you chose when you activated the ITY-Com Virtual Serial Port.
4. The yellow highlighted warning will disappear. Once the warning disappears, a valid Com port has been selected and communication with the ITY computer should be established.
5. When finished selecting a valid Com port click "Save" to save your new settings. The program will use the same port settings next time you open it. Click "Close" to close the Interpretype Options window.
6. If you cannot communicate with the ITY computer and the warning has disappeared, check the ITY-Com window. The box in the lower right corner should display "Connected."