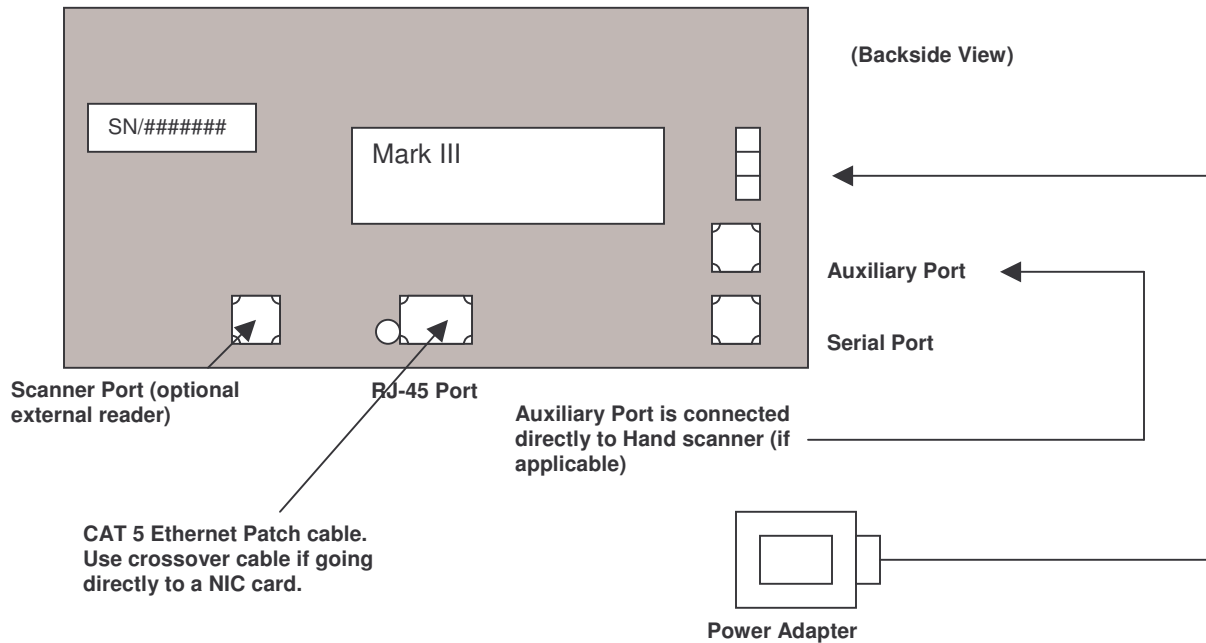


TimeClock Plus Mark (Series) Ethernet Professional / Enterprise RDT Setup

This documentation should be read in its entirety before you begin using or installing your Ethernet terminal and software associated with it. You should have already installed the TimeClock Plus software before setting up the remote terminal.

Connecting the Ethernet Remote Data Terminal



1. Start by connecting the CAT 5 Patch Cable to your network drop or hub.
2. Connect the other end of the Patch cable to the RJ-45 connector in the back of the remote data terminal.
3. Plug the RDT power supply into an electric wall outlet.
4. Connect the 3 prong plastic plug from the power supply into the back of the RDT. At this point the green backlit area on the terminal should be lit.

Configuring the Ethernet Terminal

The Ethernet terminal should be "Waiting for Host" at this time once you have connected it to the power supply.

1. Press the **View Sched** and **Enter Buttons** on the RDT at the same time. The RDT will show some diagnostic information on the screen.
2. The RDT will prompt you for a "Quick Check Mode". Press the **NO button**. Quick Check Mode is an offline diagnostic program and is not necessary to run at this time.
3. The RDT will prompt you for "Ethernet Setup". Press the **YES button**. The Ethernet Setup screen will show the current IP configuration for your Ethernet Terminal. At the top of the screen are command prompts that will aid you in setting up the IP address. If you are unfamiliar with IP address, please contact your network administrator.

4. Enter the four numbers representing your IP address. This IP address must be accessible by the PC / Server that will be running the WinRemote application. Once you have entered the IP address, Press the **Enter button**. Once the last IP address is entered, the RDT will prompt for a Terminal Port address.

The Terminal Port address is set to default to 03001. This setting should be left at the default of 03001 unless instructed to change it by a TimeClock Plus support technician.

5. Press the **Enter button** after configuring the Terminal Port number. The RDT will prompt you to configure the Subnet Mask. You will configure the subnet mask in the same way as you configured the IP address. Press the **Enter button** to continue after you have entered the subnet mask numbers.

6. The RDT will prompt you to "Update Linc". Press the **YES button** (Enter). This will update the Linc on the RDT. If you made a mistake during the setup process, press the **NO button** (ESC) to cancel any changes.

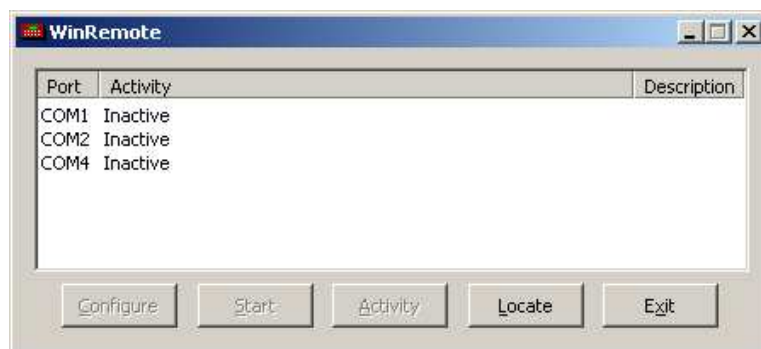
7. The next RDT prompt will be "Ethernet Setup". This option will allow you to make changes to the setup that you just completed if now you realize something may be wrong. Press the **NO button**.

8. The RDT will prompt you for an "Auto Test". Press the **NO button**. The Auto Test option allows you to test the connection with the software.

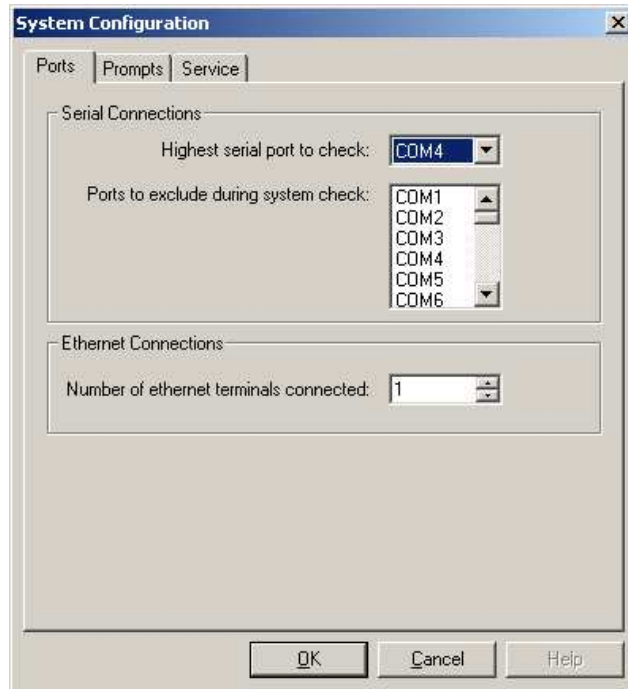
9. The final RDT prompt will be "Exit Offline Mode". Press the **YES button**. By exiting offline mode, you place the RDT back into a network mode.

Configuring the WinRemote Software for the Ethernet Terminal.

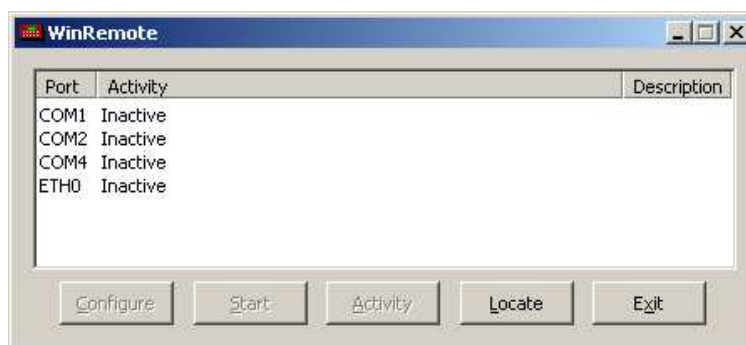
1. Launch the WinRemote software as shown below. Right mouse click over the top tool bar section of the window and then click on the **Configure System** option. You can also click on the Red Terminal in the upper left (system menu) and choose **Configure System**.



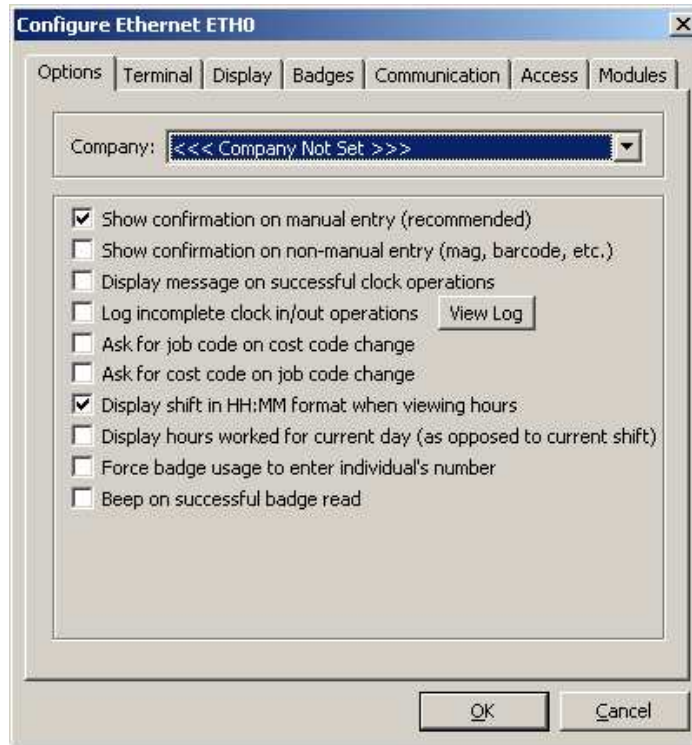
2. The following window will appear. This screen is used to configure the WinRemote for a number of Ethernet Terminals to control.



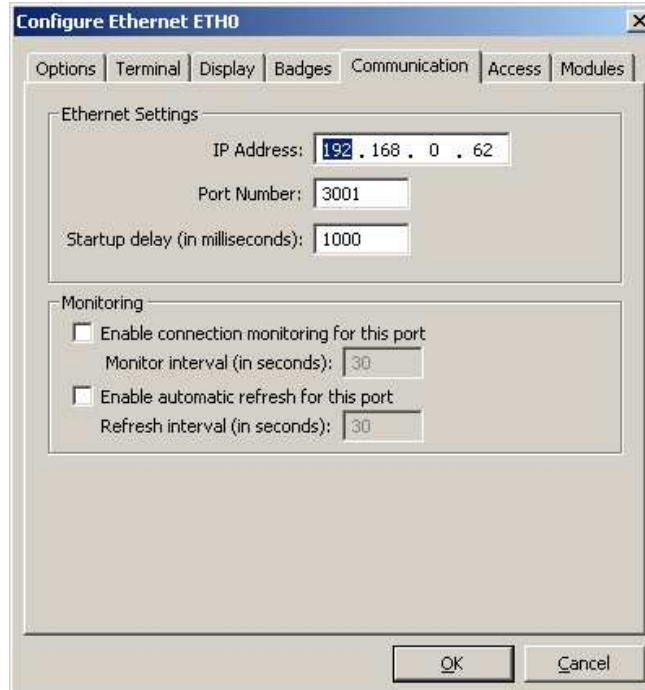
3. Enter the number of Ethernet terminals that you will be connecting to from this workstation in the Ethernet Connections section.
4. Click on the **OK button** when complete. The system will prompt you that you have to restart the WinRemote software for these changes to take affect. The program will return to the main WinRemote screen.
5. Click on the **Exit button**. This will turn off the WinRemote software.
6. Restart the WinRemote software. Notice that there is a section for the Ethernet terminal on the screen as shown below.



7. Click on the ETH0 option and then click on the configure button. The following screen will appear.\



8. Click on the **Communication Tab** to configure the Ethernet Terminal on the WinRemote software. The following screen will appear.



9. Enter the IP address and Port Number that you configured earlier on the Ethernet Terminal.

10. Click on the **OK button**.

11. Click on the **Start button** to start the Ethernet Terminal. The WinRemote software will display the “Idle” message next to the selected terminal instead of the “Inactive” message.

12. View the Ethernet Terminal. Notice that the terminal is now displaying the TimeClock Plus clocking functions.

Frequently Asked Questions:

Where can the Ethernet cable from the terminal be plugged in?

The Ethernet terminal can be plugged into any hub or switch that could host a computer, as well as a Network Interface Card (NIC).

Can I plug it directly into my NIC card?

You will have to use a crossover cable if you connect the Ethernet Terminal directly to a Network card.

What is the maximum cable length?

100 Meters

How can I find out what IP the terminal is running on?

When the terminal is online you can press ‘11’ to have the terminal show you the IP as well as indicating how long the device has been online.

Trouble Shooting

Error: “The system was unable to start the port...”

The WinRemote software will report this error if it is unable to take control of the IP specified in the software. The IP address may be in use by another computer or Ethernet terminal on the network. Disconnect the Ethernet terminal from the network. Open a DOS prompt and type **ping ipaddress**, where “ipaddress” represents the IP that has been entered in the software.

If the ping command receives a reply, the IP is currently in use by another machine in the network. In this case, you must choose a new IP for the terminal. If there is no reply, reconnect the terminal and attempt another ping operation. If the settings on the terminal are correct you should get a reply from the terminal.

“Not connected, waiting 30 seconds”

If the terminal loses connection with the network, the not connected message will appear on the WinRemote screen. This will occur if the terminal loses the physical connection with the network or if the network is not accessible. Rather than trying to connect immediately, the software will wait 30 seconds before trying to connect to the RDT. This prevents the software from creating an unnecessary amount of network traffic.

“Linc not detected”

Verify that you have an Ethernet enabled terminal. There is a white dot showing through the back of the Remote Data Terminal. The location of this dot is shown on the back plate sticker of the Remote Data Terminal. If you do not have an Ethernet enabled terminal, please contact TimeClock Plus Support at 325-223-9300.