

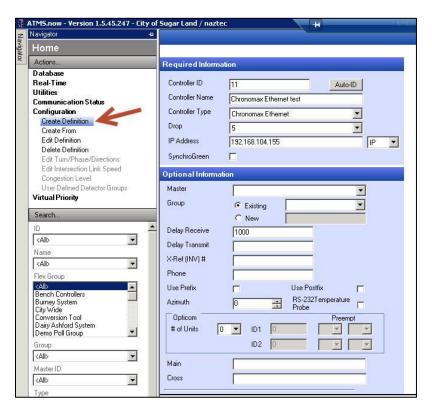
Tech Note 2008 – Interfacing ATMS.now with a Chronomax Ethernet Interface Device

The purpose of this Tech Note is to help the user interface ATMS.now with a Chronomax Ethernet Interface unit as shown below.



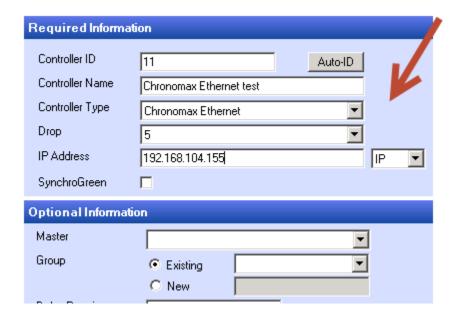
ATMS.now Considerations

1) On ATMS.now, create a Chronomax IP device on the HOME Module by choosing Configurations → Create Definition.





2) Fill in the Chronomax ID number, the name of the Chronomax, Chronomax Type, ATMS Comm Drop, and the IP address.



NOTE: The selected Controller Type must be **Chronomax Ethernet**.

Connecting the PC to the Ethernet Interface Device

1) Install Internet cable in the Interface device in the "TPE Port" connector, which is labeled on the side of the unit.



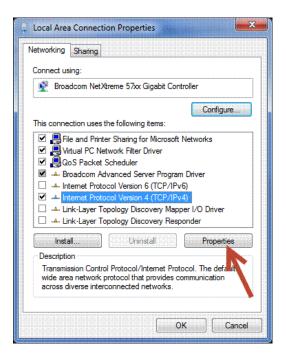


Programming the Ethernet Interface Unit

- 1) To set up this device, many users will connect this unit to a standalone Laptop or PC. Change the Default Fixed IP address on the laptop to the following:
 - a. Go to Network Connections
 - b. Choose Properties

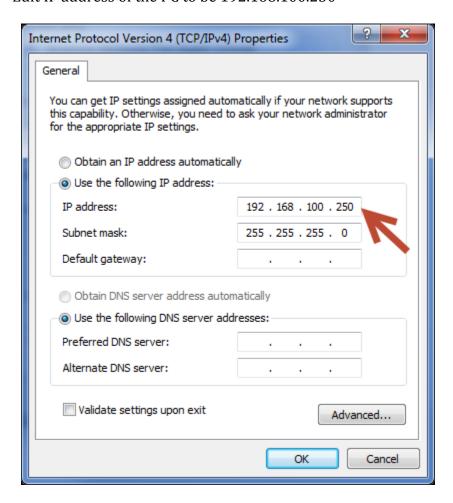


c. Choose (Highlight) Internet Protocol Version 4 (TCP/IPv4) Properties





d. Edit IP address of the PC to be 192.168.100.250

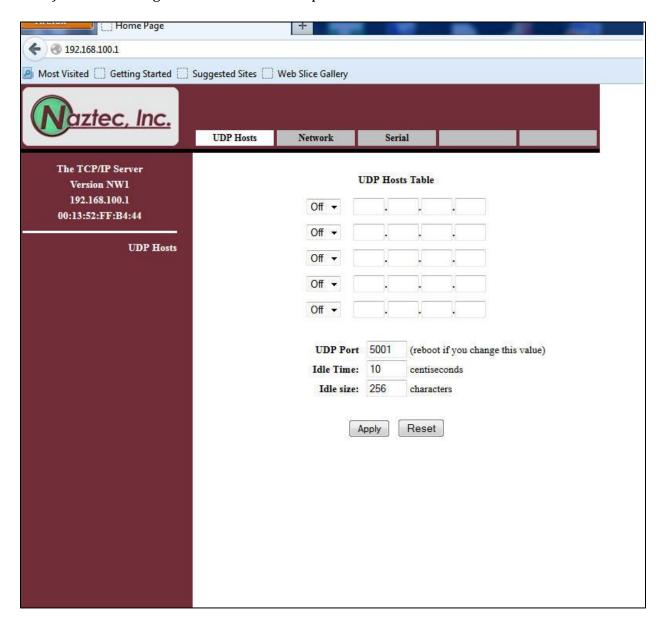


2) Bring up your browser, such as Firefox or Internet Explorer, and type in Factory Default IP 192.168.100.1.





3) The following screen should come up:



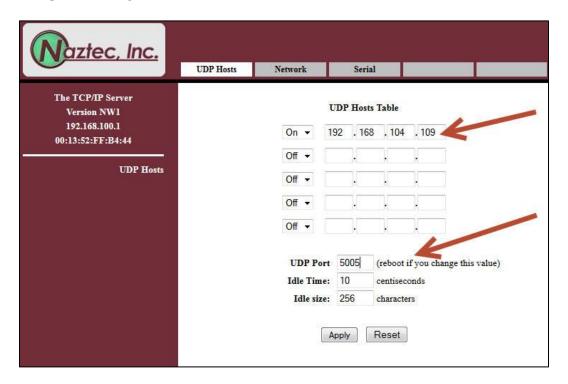
NOTE: If the device does not come up you can reset it to the Factory default settings by:

- a) Power off/on the unit switch 5 to 6 times in a row.
- b) Wait 30 seconds and restart the unit.
- c) Repeat step 3 above.

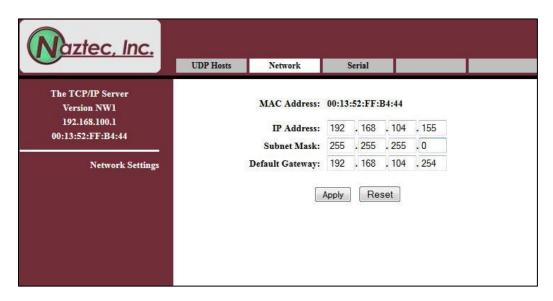


Programming the Ethernet Interface Device

1) Select the UDP Hosts tab and program the host server(s) that the Ethernet Internet Device is going to communicate with. In addition, program the Port number that will match the drop that the devices will use in the ATMS.now. Hit the Apply button to accept the changes.



2) Select the Network Tab and program the IP address, Subnet Mask, and Gateway as appropriate. Hit the Apply button to accept the changes.





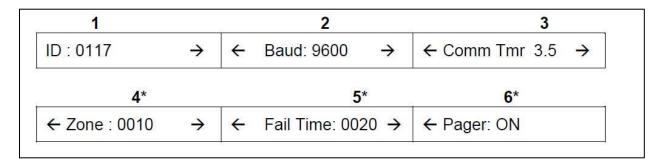
3) Select the Serial Tab and setup the Baud Rate, DataBits, Stop Bits, Parity, and Flow Control to match the Chronomax settings. Hit the Apply button to accept the changes. Typical settings are shown below.



4) Power off the unit and connect it to the Chronomax device (Terminal Port) and the Ethernet port (TPE port) of the server.

Chronomax Settings

The Chronomax settings are accessed from the front panel via the COMM submenu screen, as shown below. Please refer to the Chronomax manual for further details.



- 1) ID The ID number selects a unique comm address for each time switch. It is numerically entered. <ENTR> is pressed when the current select is to be saved. Pressing <ESC> will exist without saving.
- 2) Baud Rate The baud rate field selects the communications data rate. It may be



- selected by using the arrow keys. **<ENTR>** is pressed when the current selection is to be saved. Moving to another data field also saves the data. Pressing **<ESC>** will exit without saving.
- **3) Comm Timer** The comm timer entry selects the amount of time in seconds that expires between retries. It is numerically entered. **<ENTR>** is pressed when the current selection is to be saved. Pressing **<ESC>** will exit without saving.
- **4) Zone** The zone entry identifies the school zone to which the timeswitch belongs. This is used in radio or pager zones in which several flashers are to be activated by a single broadcast message. It is numerically entered. **<ENTR>** is pressed when the current selection is to be saved. Pressing **<ESC>** will exit without saving.
- **5) Fail Time** The fail time entry selects the number of minutes to wait before defaulting to the pgorammed schedule. This is used as a failsafe mechanism in radio zones. It is numerically entered. **<ENTR>** is pressed when the current selection is to be saved. Pressing **<ESC>** will exit without saving.
- **6) Pager** The pager entry turns on or off the pager mode. When enabled, it allows the time switch to be controlled by pager messages. It may be selected by using arrow keys. **<ENTR>** is pressed when the current selection is to be saved. Pressing **<ESC>** will exit without saving.

NOTE: Select Pager = OFF if communicating to ATMS.now.

Summary

The Chronomax interface device is easy to set up. When ATMS.now is communicating with the Chronomax Ethernet interface device, you will see the status indication turn green on the ATMS.now overview screen.

