

Locating/Changing the IP Address Using the Serial Port

*Date: June 17th, 2013
Revision 1.03*

Introduction

This document describes how to locate and change an RTA gateway using the hardware's serial port. This can be very helpful if you have no idea what network the gateway is set to.

The tool demonstrated in this document is called Mttty. It can be found on the CD provided with your gateway or on our website at <http://www.rtaautomation.com/support/435NBx/>.

This tool allows the user to display/change the IP Address of the gateway. This can be used for all of our 435, 490 and 460 products simply by connecting to the DB9 port on the hardware.

Required Tools and Data

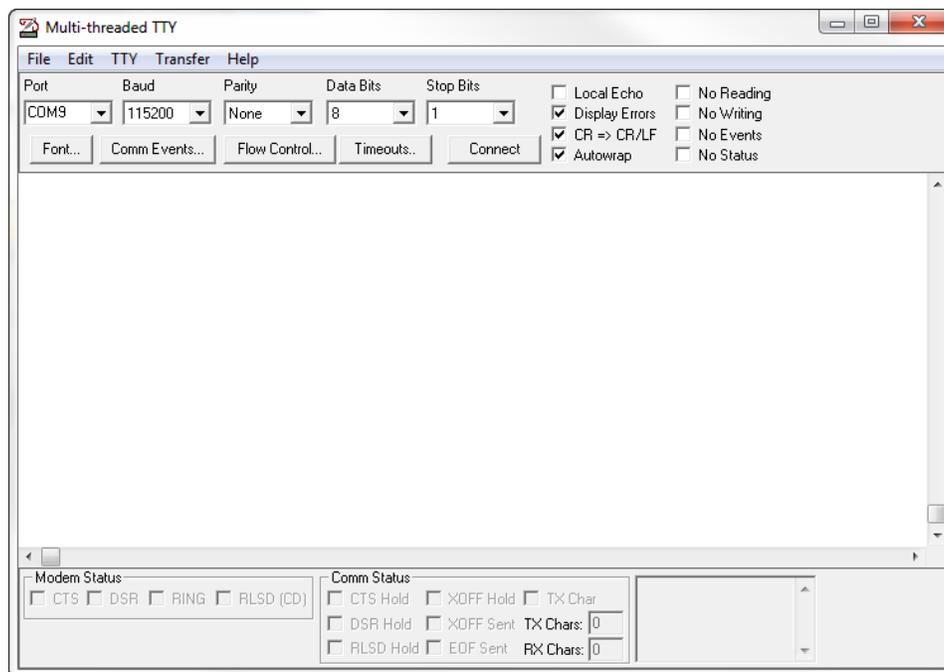
You will need the following tools:

- The Gateway
- The provided CD-ROM
 - Mttty.exe can also be downloaded:
<http://www.rtaautomation.com/support/435NBX/>
- A Working PC (Windows based)
- The Supplied Ethernet Crossover Cable
- A Null Modem Serial Cable
- A 7-30 VDC power source

Viewing the IP Address of a Gateway

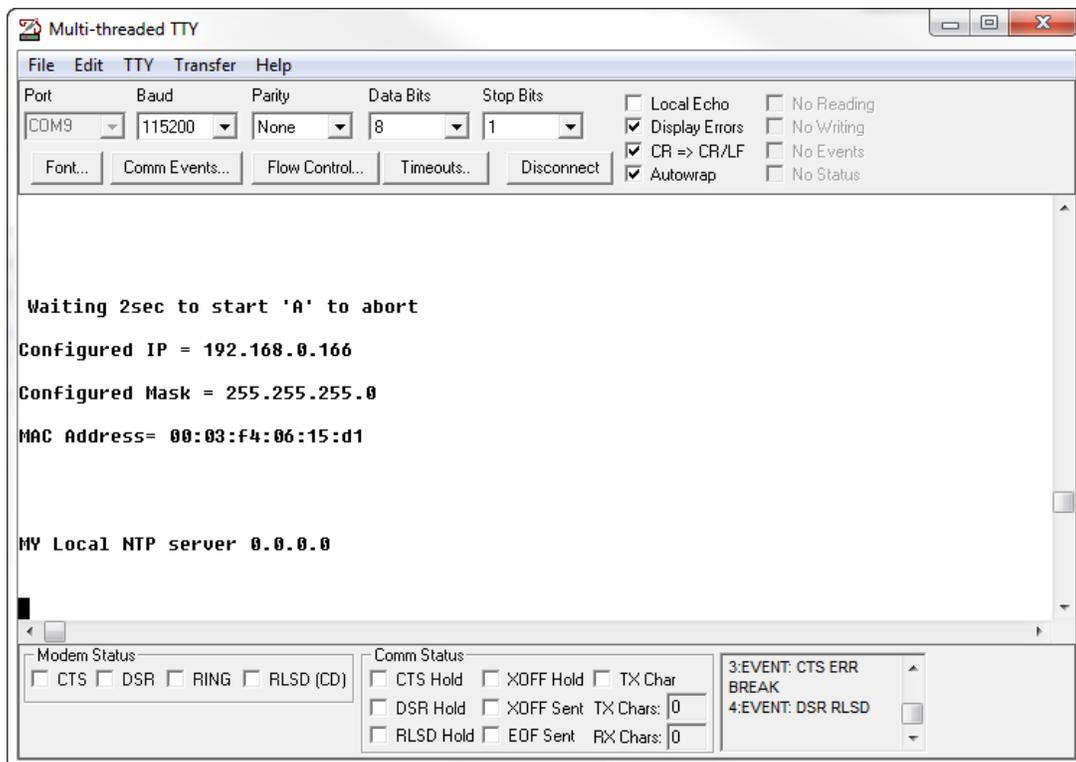
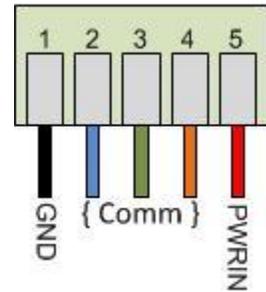
1. Plug a null modem cable into the gateway.
 - a. Use Port 0 for 435/490 Products
 - b. Use Port 1 for 460 Products
2. Connect your PC to the gateway using a crossover cable.
3. Open Mttty (refer to the Required Tools and Data for how to obtain).
4. Set the following Serial Settings:
 - a. Select the Com Port of the PC you are using
 - b. Baud: 115200
 - c. Parity: None
 - d. Data Bits: 8
 - e. Stop Bits: 1

Click the 'Connect' button.



5. Connect a 7-30 VDC power source to the gateway.
 - a. **Warning** improper wiring will cause unit failure
 - b. Use the Barrel Connector **OR** the Screw Terminals power connection, **NOT** both

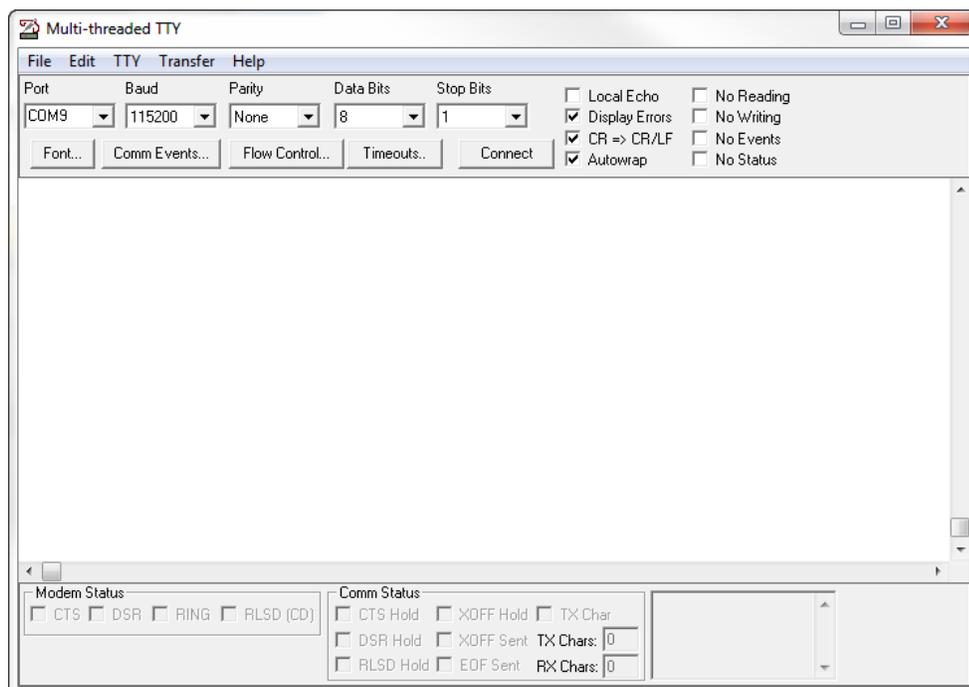
6. The Configured IP Address, Mask, and Default Gateway will print to the screen in Mttty once power is supplied the the RTA unit.



Changing the IP Address of a Gateway

1. Plug a null modem cable into the gateway.
 - a. Use Port 0 for 435/490 Products
 - b. Use Port 1 for 460 Products
2. Connect your PC to the gateway using a crossover cable.
3. Open Mttty (refer to the Required Tools and Data for how to obtain).
4. Set the following Serial Settings:
 - a. Select the Com Port of the PC you are using
 - b. Baud: 115200
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 - e. Stop Bits: 1

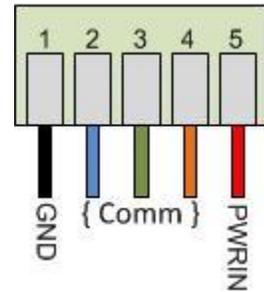
Click the 'Connect' button.



5. Connect a 7-30 VDC power source to the gateway.

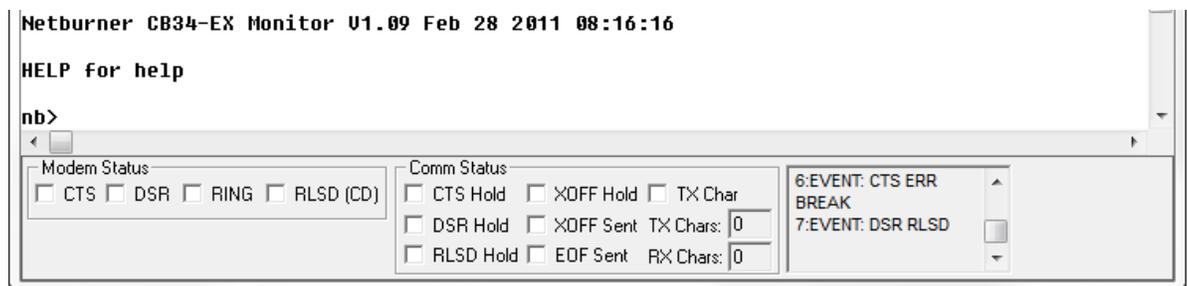
a. **Warning** improper wiring will cause unit failure

b. Use the Barrel Connector **OR** the Screw Terminals power connection, **NOT** both



6. Once power is supplied, the message “**Waiting 2 seconds to start ‘A’ to abort**” will print to the screen in Mttty,(if not then cycle power to the unit again and hit ‘Shift A’). When the unit powers up, you will have 2 seconds to hit ‘Shift A’ to when the keyboard command Shift ‘A’.

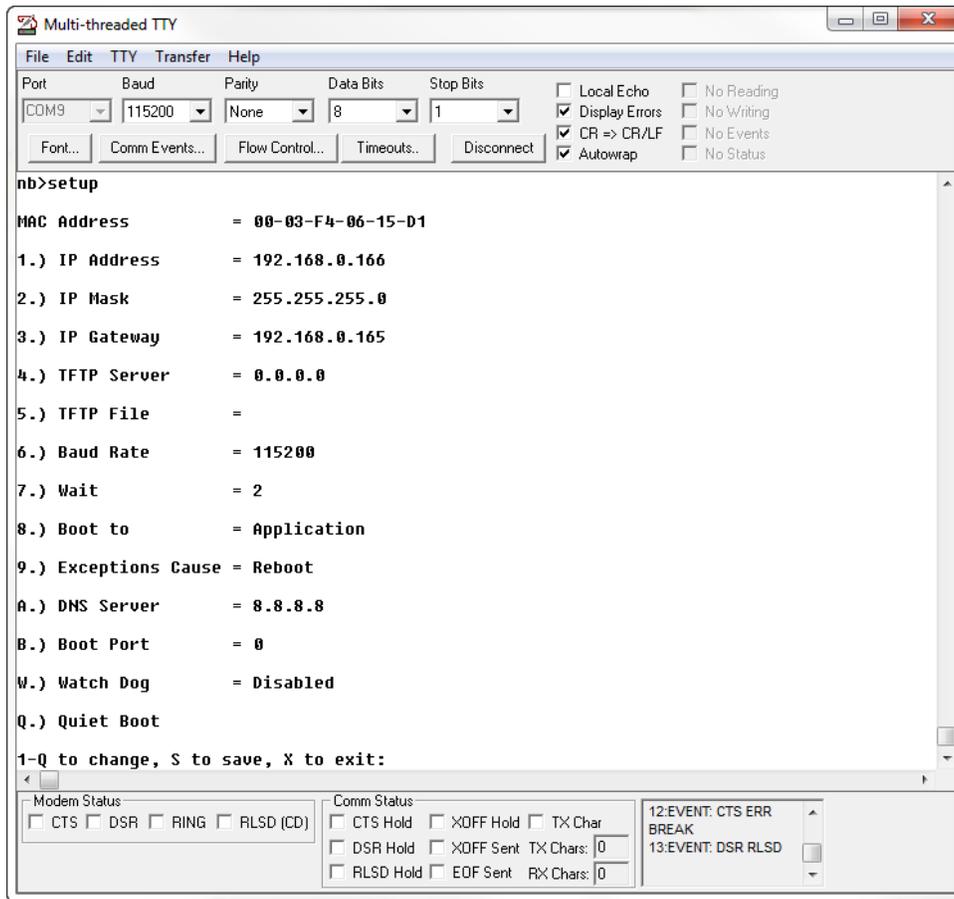
If you have successfully pressed ‘A’ within the 2 second window, the following prompt will display:



7. If the screen in Mttty displays the unit’s IP address information, cycle power to the unit and try repeating Step 6.

8. At the “nb>” prompt, type “setup” and press enter. A list of options will be given allowing you to change the IP Address, IP Mask, etc..

NOTE: Only modify the IP Address, IP Mask, and IP Gateway field as needed. Changing other settings may produce undesired results.



9. When changes are made enter 'S' to save and 'X' to exit.

10. Cycle power to the gateway to view the changes made in Mttty.

Support for your device is available any time.

Support: 262-439-4022

Toll free: 800-249-1612

Email: support@rtaautomation.com