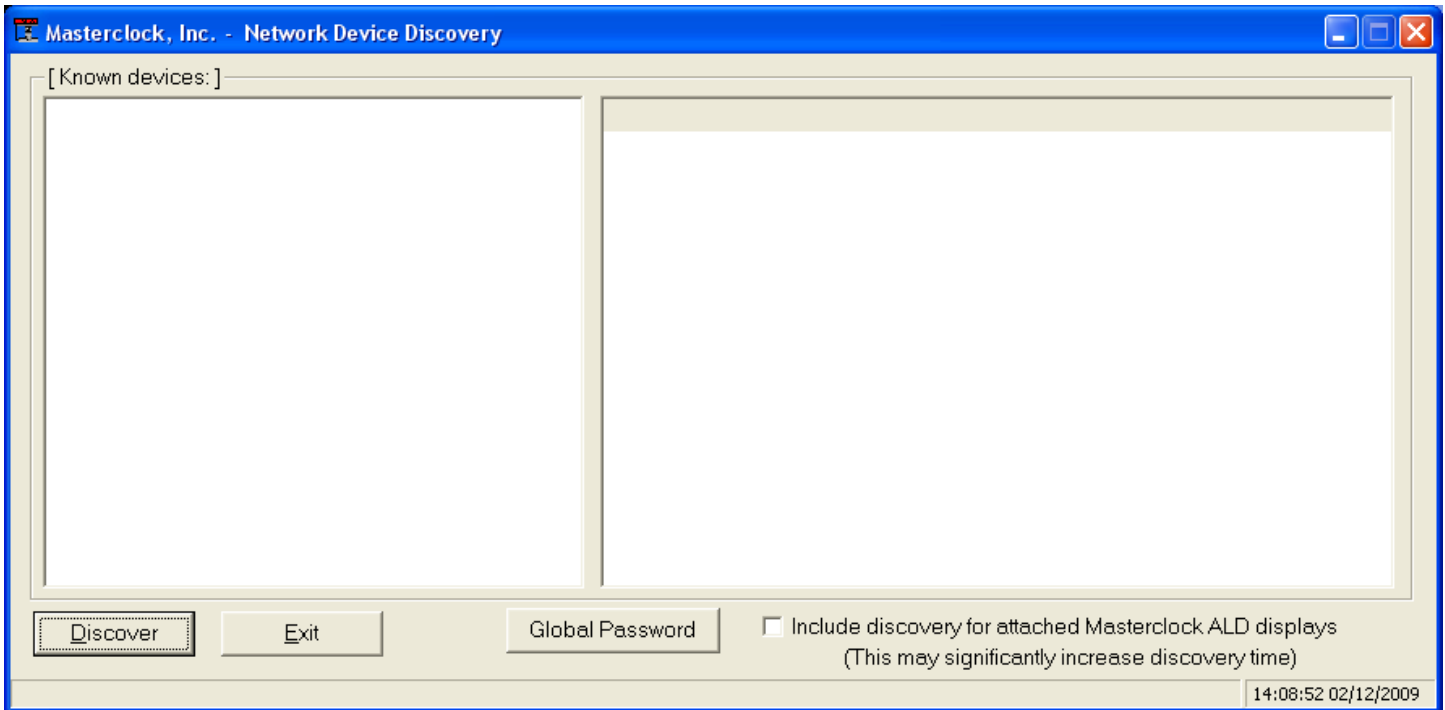


These are screenshot of the program WinDiscovery from Masterclock, Inc.

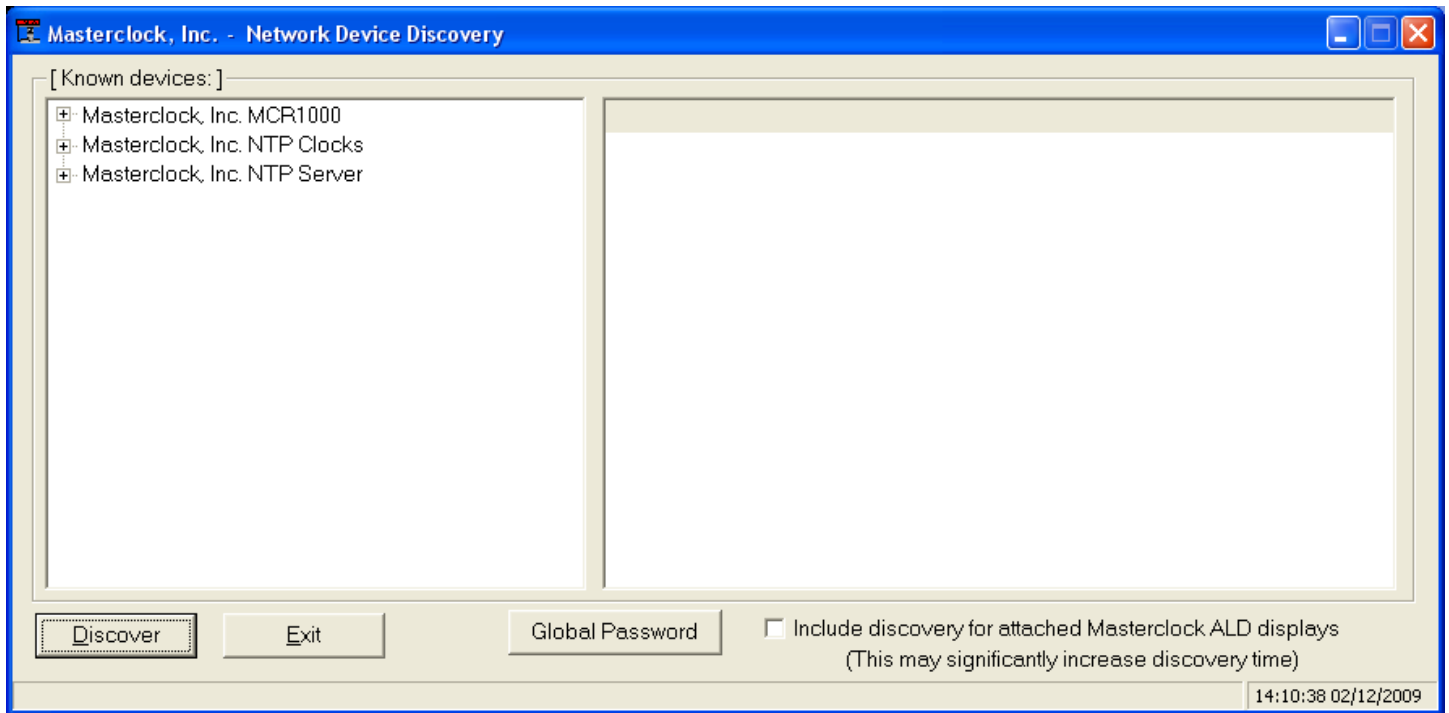
WinDiscovery is a software program that's included with the purchase of any NTP (Network Time Protocol) clock from Masterclock. It gives the user a way to configure the clocks and to see their presence on the network.

WinDiscovery can be placed anywhere on your PC; it need not be installed in a specific spot.

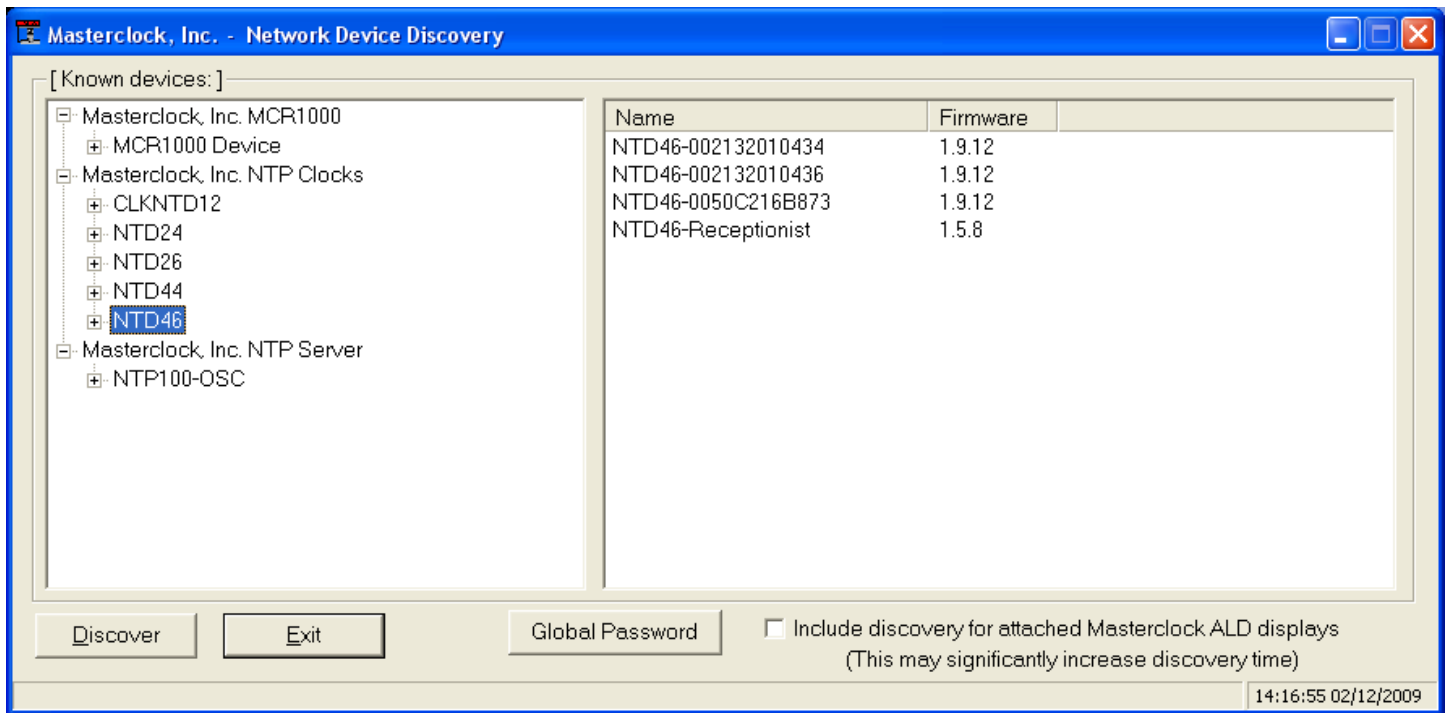
When you start it you see this:



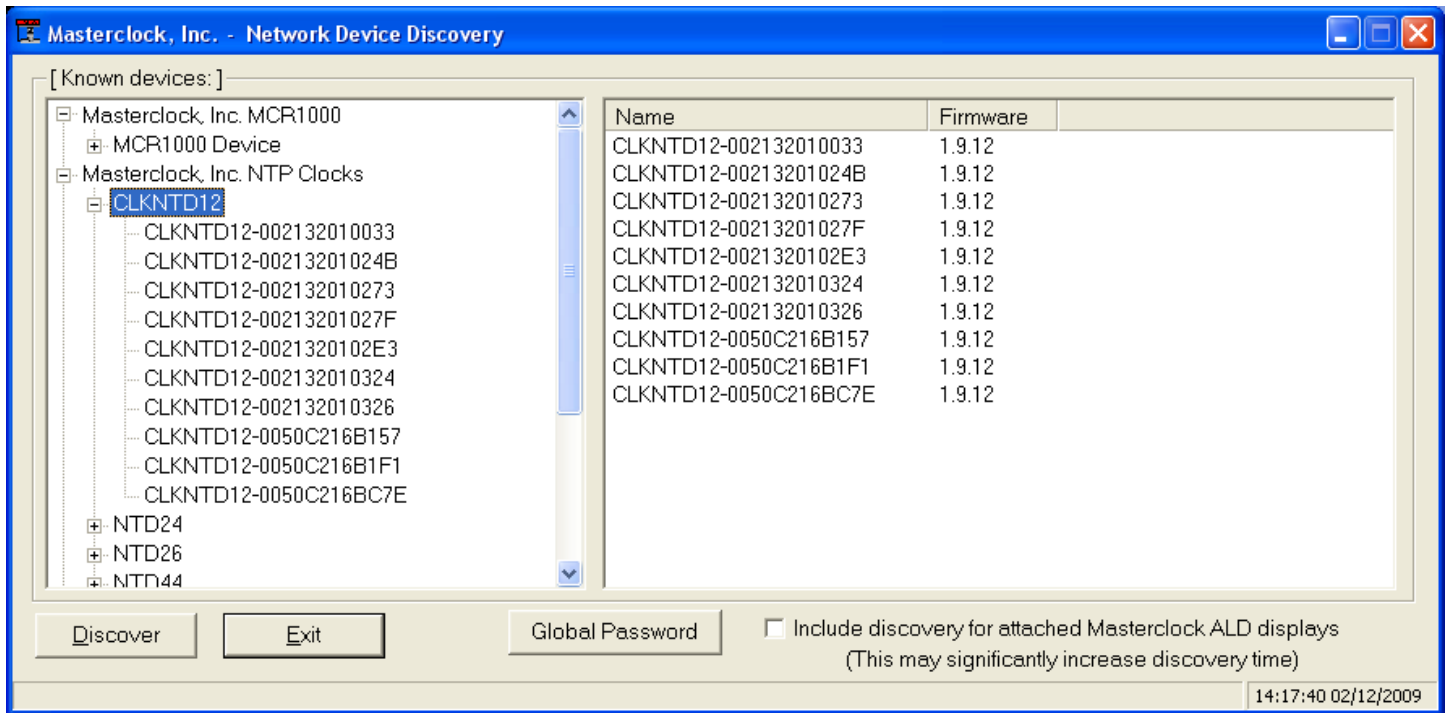
Hit the Discover button and you should see all of the Masterclock NTP devices that you have on your Ethernet LAN, as below. The devices are grouped by type. Below, you see 3 types. The first is that of MCRs (modular boxes that can hold receivers, generators and readers), the second is of clocks and the third of NTP Time Servers.



Click on the plus signs to see the next level – the models. If you select a model then you see all the machines of that model that are on the network.



You can expand the model group to see it on the left:

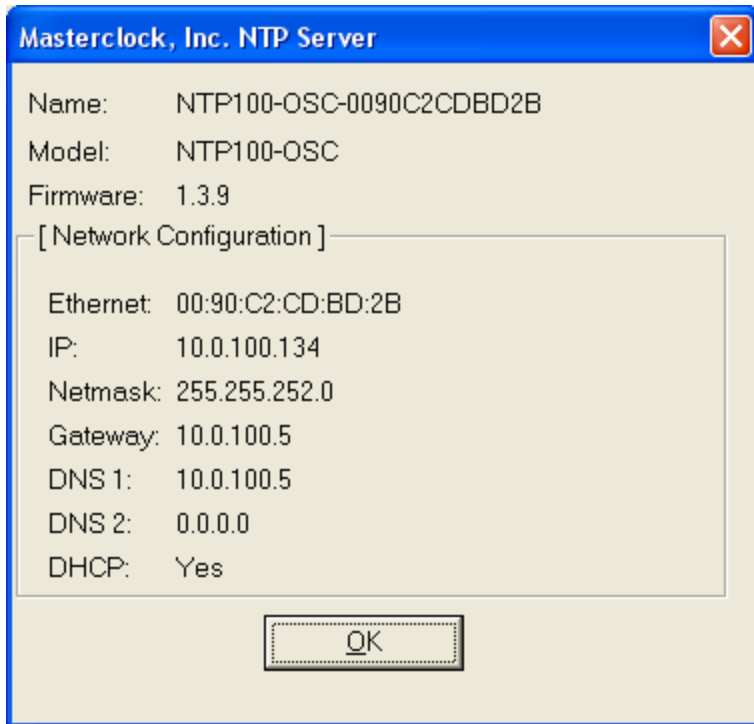


To see or change the settings of an individual device, just right-click and make a choice.

The choices are usually

- Properties
- Network Configuration
- Device Settings
- Set Password
- Set Date / Time
- Status
- Reset Device

For clocks and servers you can see the Properties just by double clicking:



Here's what Network Configuration can look like.

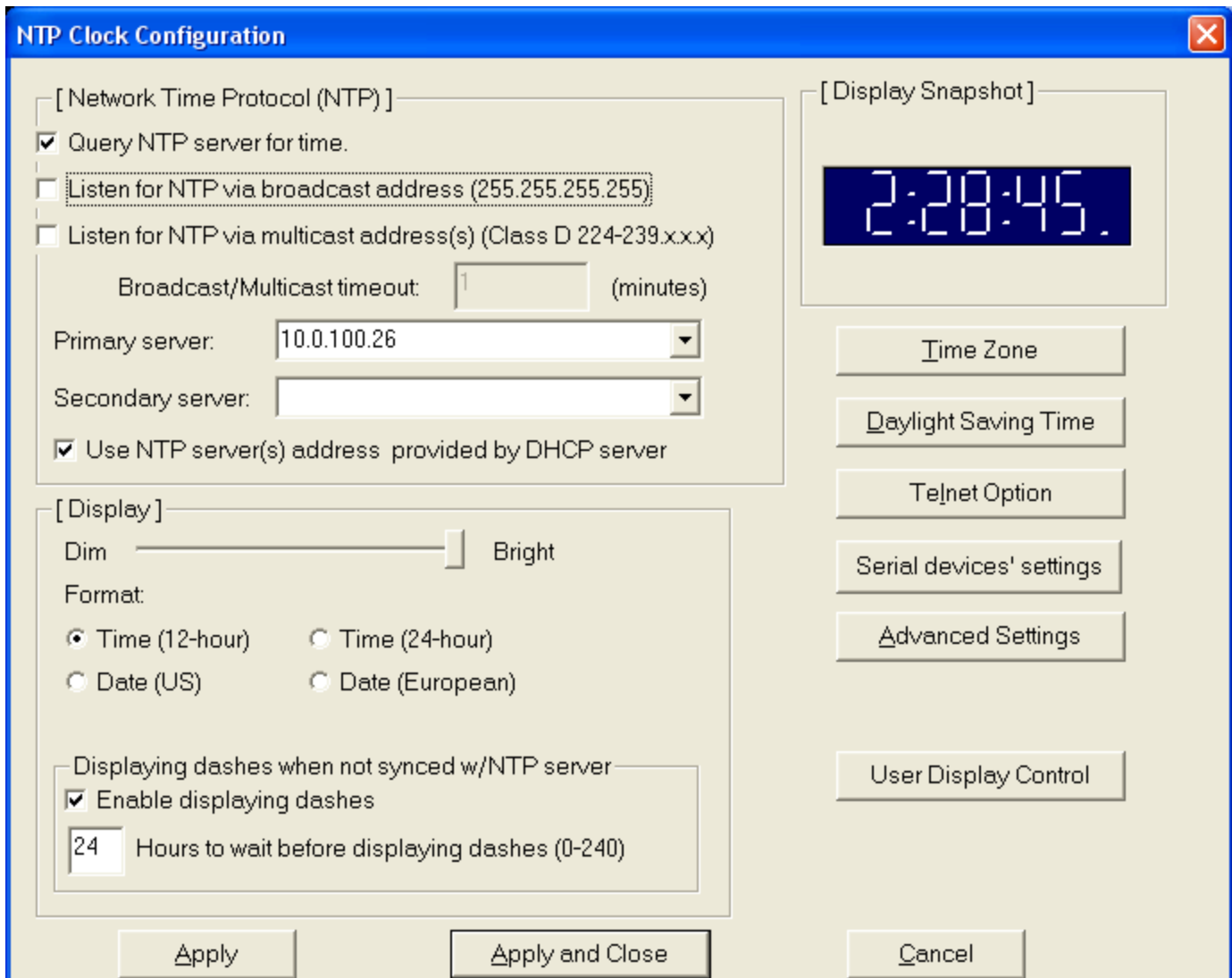
If you remove the checkmark from the DHCP box then you can set the addresses to whatever you want.

The image shows a 'Network Configuration' dialog box with a blue title bar and a close button in the top right corner. The dialog contains the following fields and options:

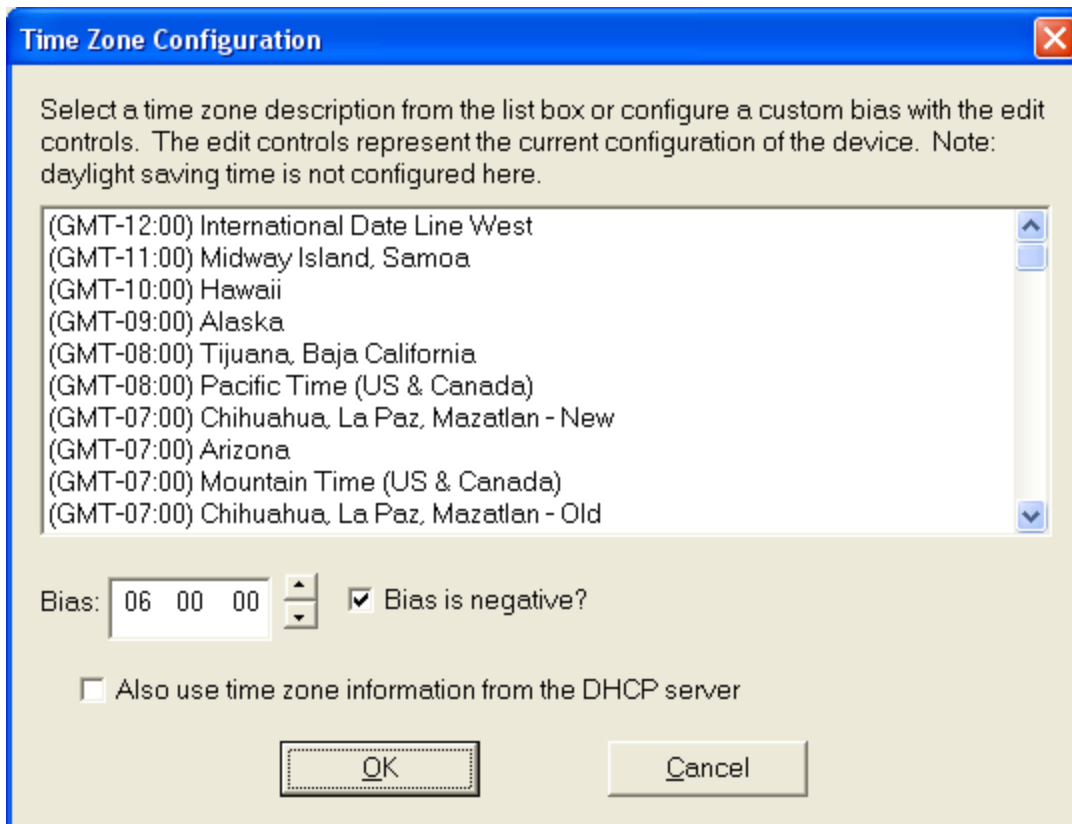
- Device Name:
- Administrative Hub:
- Automatically obtain network configuration from DHCP/BOOTP
- IP address:
- Netmask:
- Gateway:
- Primary DNS:
- Secondary DNS:

At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

Here are the device settings for a clock.
Note the time that the clock is displaying is shown for you,
Along with tons of settings.



Here's where you can set Time Zone:



Here are all the settings you could ever need for Daylight Saving Time:

Daylight Saving Time Configuration

Daylight Bias: 01 00 00 Bias is negative? Disable daylight time

Time reference for daylight saving time shift: Use UTC instead of local time

Daylight saving time start:

- First
- Second
- Third
- Fourth
- Last
- Absolute

Day of week: Sunday
Month: March
Day of month:
Time: 02 00 00

Daylight saving time end:

- First
- Second
- Third
- Fourth
- Last
- Absolute

Day of week: Sunday
Month: November
Day of month:
Time: 02 00 00

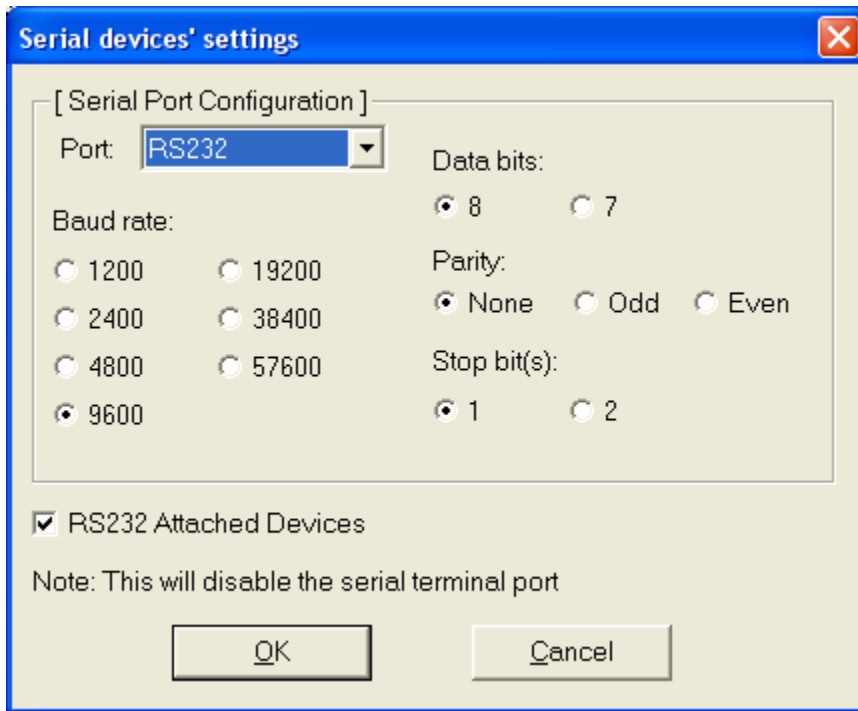
You can set the number of the Telnet port:

NTP Clock - Advanced Configuration

Allow Telnet configuration

Telnet port:

Serial port settings:



Advanced settings:

Advanced Settings for NTD Clock ✕

Request timeout (milliseconds)	<input type="text" value="2000"/>
Query interval (seconds)	<input type="text" value="10"/>
Re-transmit request interval (milliseconds)	<input type="text" value="5000"/>
Request retry maximum attempts	<input type="text" value="5"/>
Delay between server re-connection attempts (milliseconds)	<input type="text" value="10000"/>
Connection attempts before giving up/switching servers	<input type="text" value="5"/>
Broadcast listening timeout (seconds)	<input type="text" value="60"/>
Maximum acceptable time change (in seconds, 0=all accept)	<input type="text" value="0"/>

Our devices are password-protected, so when you try to change something you will see this:

Password Required ✕

The device requires a password to authenticate this operation.

Password:

Remember this password for the session