



Article Number - 00023-2011

Date - 28th March 2015

Article applies to - WLN10, WLN10HS and Sonar Server wireless NMEA servers

ISSUE: Re-Configuring the baud rate of a WLN10 or Sonar Server

The WLN10, WLN10HS and Sonar Servers are pre-configured for operation at 4800baud, 38400baud and 4800 baud respectively. However, in some situations it may be desirable to re-configure the units to work at a different baud rate.

SOLUTION:

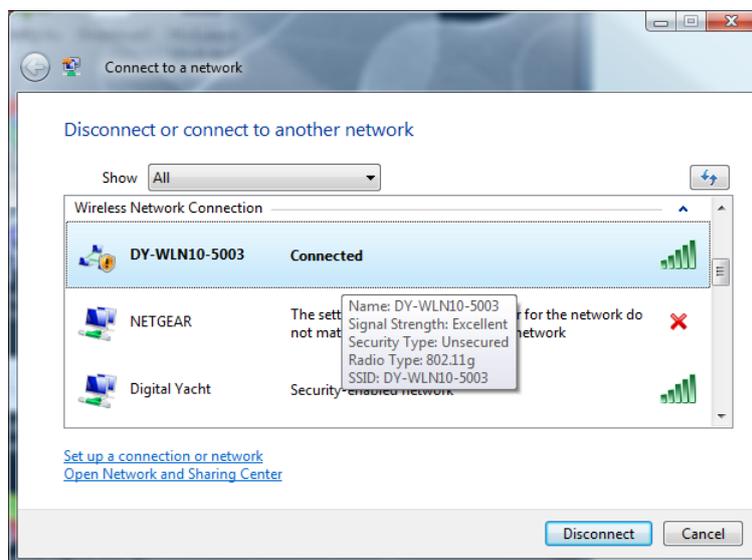
It is possible to re-configure these units but it involves sending the WLN10/HS/Sonar Server unit a series of commands via a terminal program. It is recommended that this is only performed by authorised Digital Yacht Dealers.

To carry out this re-configuration, it is necessary to have a Windows PC that has a wireless adaptor and a copy of "Tera Term" which is a free terminal program available for download at the link below;

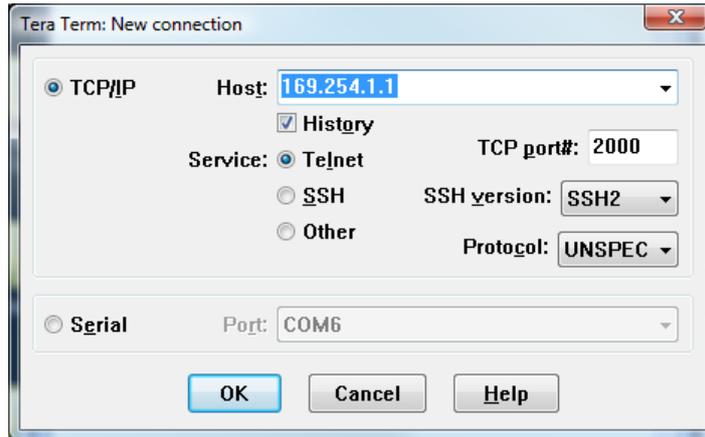
<http://en.sourceforge.jp/projects/ttssh2/releases/>

Select the latest version to download and then install Tera Term on your Windows PC.

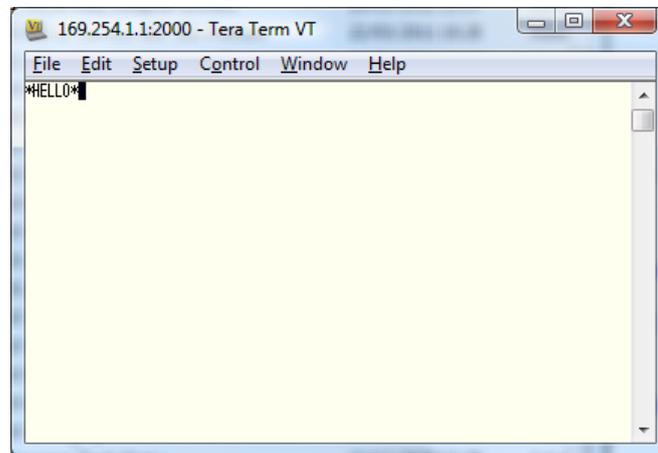
Using the Windows Wireless Network utility, scan for available networks and connect to the WLN10/HS/Sonar Server.



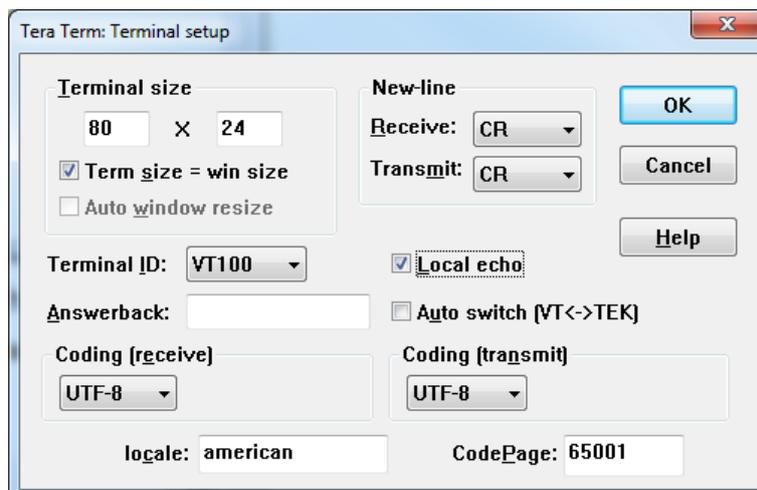
Once connected, run Tera Term and when the “New Connection” window is displayed enter the IP address and Port number of the WLN10/HS/Sonar Server – which is always 169.254.1.1 Port 2000.



If Tera Term successfully creates a TCP/IP connection to the WLN10/HS/Sonar Server, then you should see the window below with the word “*HELLO*” displayed.

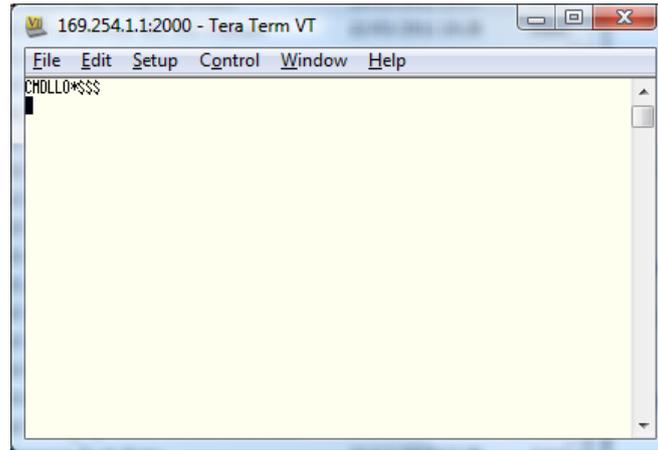


In order to see the commands that you type, you need to configure Tera Term to echo the characters that you type on to the screen. To do this, click Setup>Terminal and you will see the window shown below. Make sure that “Local Echo” is ticked and click the OK Button.



To place the WLN10/HS/Sonar Server in to Command Mode type three dollar signs \$\$\$ and then press the ENTER key. You should now see the following screen where the text CMD has been over typed on the

HELLO text – you are now in Command Mode and can send configuration commands to the WLN10/HS/Sonar Server.

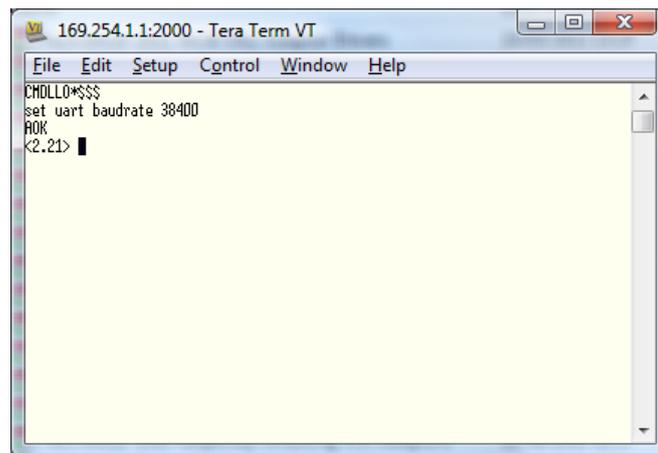


To set the baud rate type the following command and then press the ENTER key.

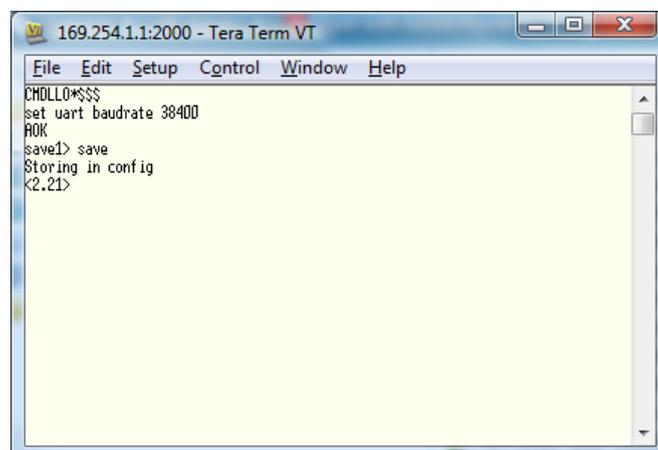
set uart baudrate xxxx

Where xxxx = the baud rate required i.e. 4800, 9600, 38400, etc.

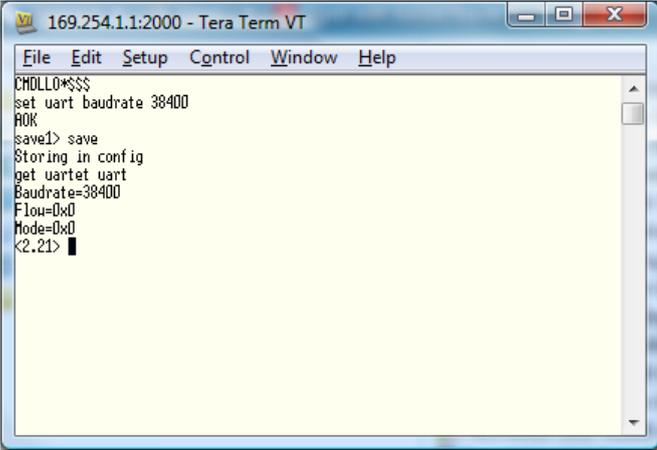
The WLN10/HS/Sonar Server should respond with an Acknowledgement "AOK" as shown below.



Now it is necessary to save the settings by typing **save** and then pressing the ENTER key, which should cause the following message to be displayed.



You can double check that the new setting has been accepted by typing **get uart** and then pressing the ENTER key, which will display the following information



```
169.254.1.1:2000 - Tera Term VT
File Edit Setup Control Window Help
CHDLLO*$$$
set uart baudrate 38400
#OK
save!> save
Storing in config
get uartet uart
Baudrate=38400
Flow=0x0
Mode=0x0
<2.21> █
```

Now you should turn off your WLN10/HS/Sonar Server, wait a couple of seconds and then turn it on again and the new baud rate should now be set.