Enabling iKommunicate Logging (Windows)
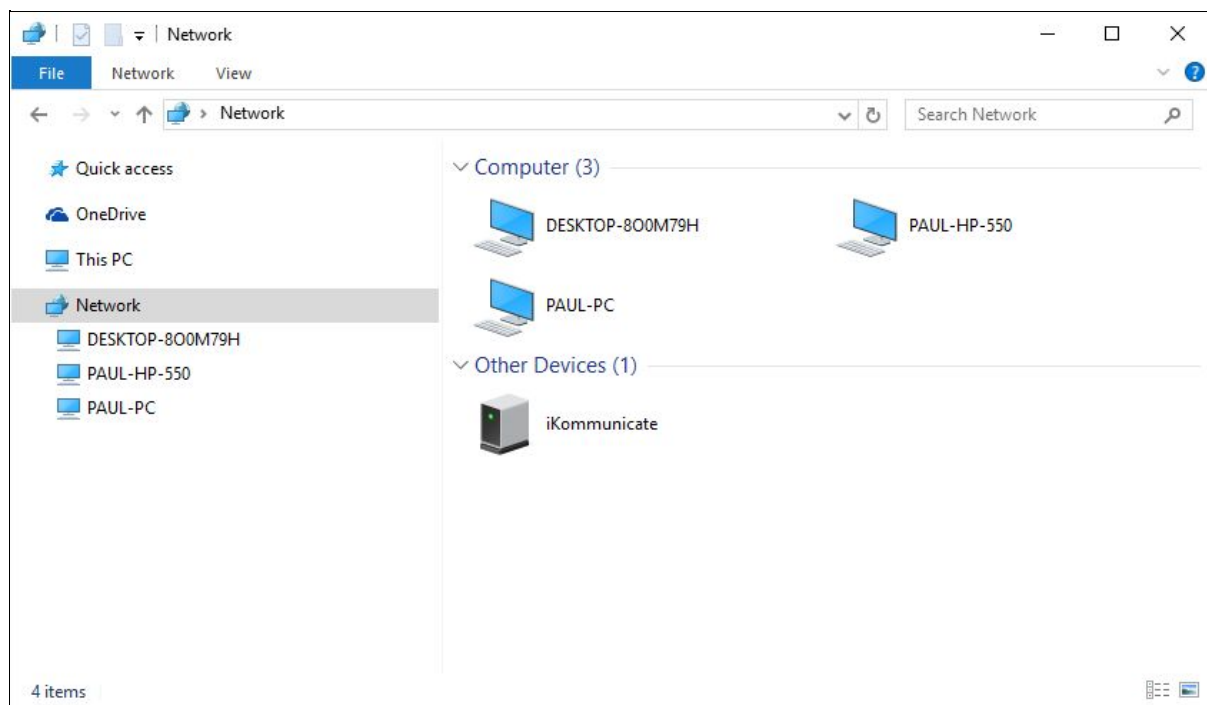
V1.00   -   28th June 2016

iKommunicate has a built-in logging feature that records all NMEA2000 activity to the micro SD Card. The log files can then be "played back" on our test bench to simulate the exact conditions that occurred on the boat, as if we had actually been there.

To enable NMEA2000 logging on iKommunicate you will need a terminal program like TeraTerm or Putty. For the purposes of this document, I have used Tera Term which you can download from…
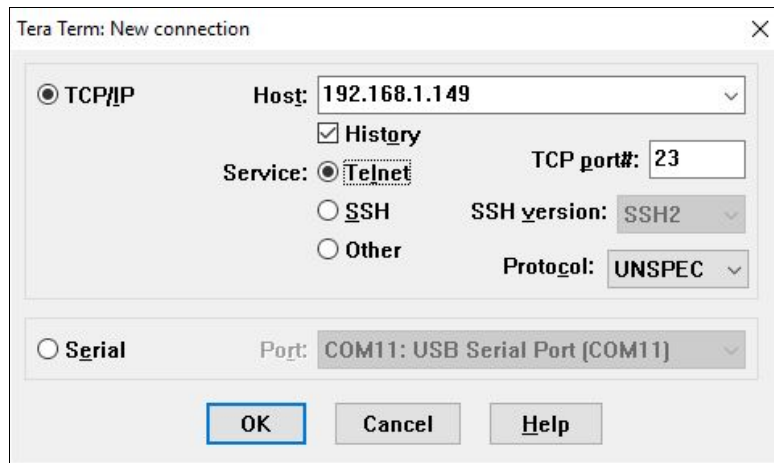
https://en.osdn.jp/projects/ttssh2/releases/

When you run the installer, you can untick all of the optional modules and just install the main program.

Once you have your terminal program installed, you need to find the IP address of your iKommunicate. There are a number of ways to do this, but the easiest is using the Simple Service Discovery Protocol feature of Windows. Open a Windows Explorer window and select the Network location. You need to have Network Discovery turned ON and Windows Explorer will display a warning bar at the top of the window, if Network Discovery is not enabled and you just need to enable it.
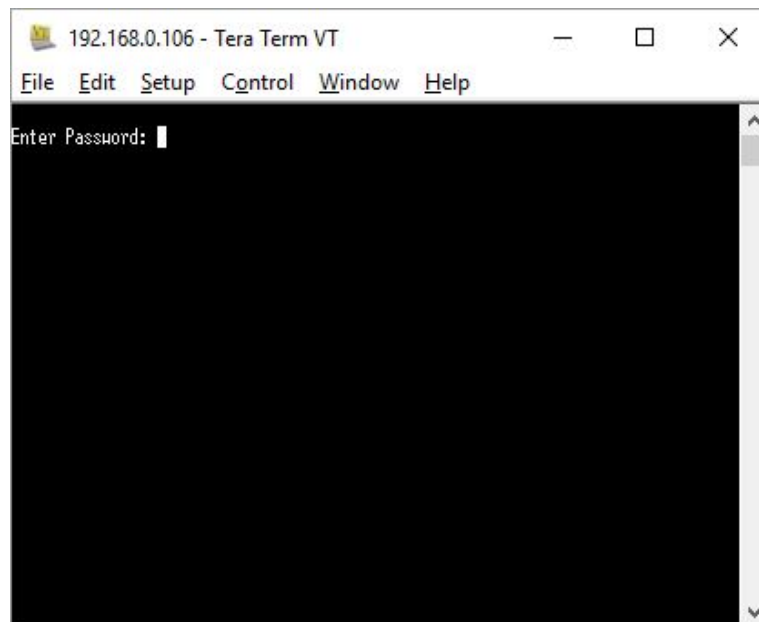

You can then double click on the iKommunicate icon and it will open Internet Explorer and display the iKommunicate webpage and also display the IP address in the address bar.
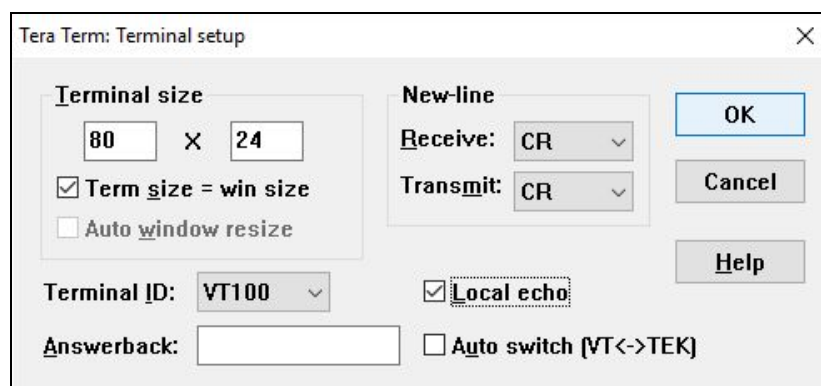
Once you know the IP address, open TeraTerm, select TCP/IP connection, type in the IP address and tick Telnet as shown below...

Click OK and you should be taken to the iKommunicate Terminal, as shown below. The password is the same password as the iKommunicate Admin Web Page, which by default is "admin" unless you have changed it...
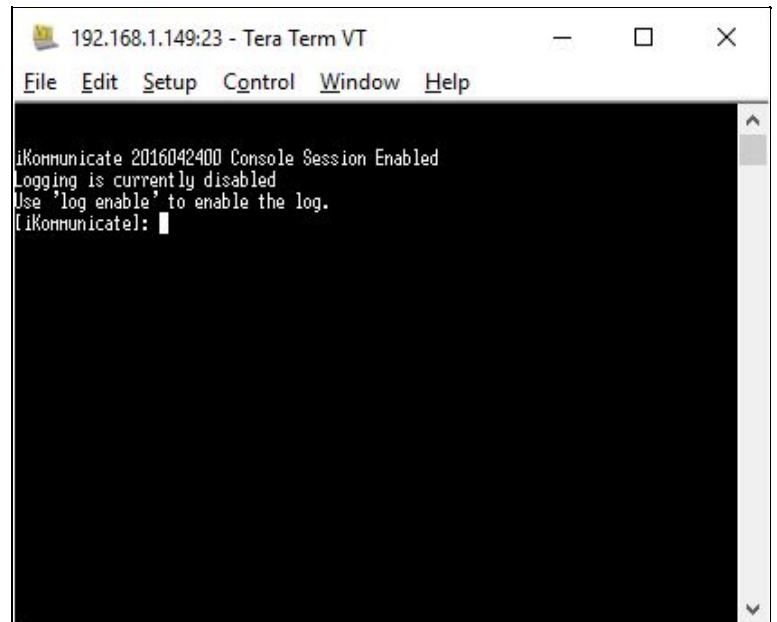

It is much easier if you set "Local Echo" to ON, so that you can see what you are typing. To do this, click Setup>Terminal and tick the local echo tick box as shown below…

Now you can save all of these settings so that next time you open TeraTerm it goes straight in with all of the correct settings. Click Setup>Save Setup and just save to the default file name (TERATERM.INI).
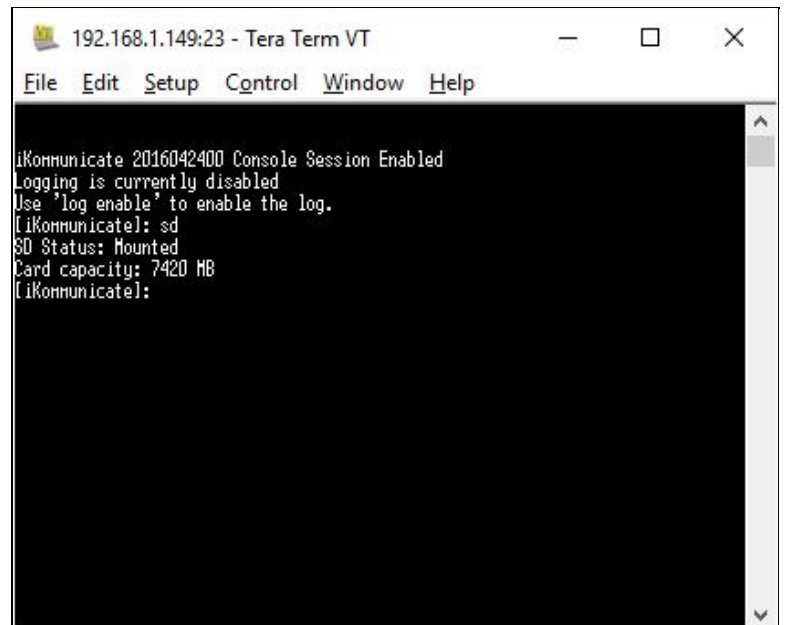
Now you can check the Logging
status by typing "log" and pressing enter....

```
    192.168.1.149:23 - Tera Term VT          —    □    ×
 File  Edit  Setup  Control  Window  Help

 iKommunicate 2016042400 Console Session Enabled
 Logging is currently disabled
 Use 'log enable' to enable the log.
 [iKommunicate]: █
```

You can also check the status of the SD
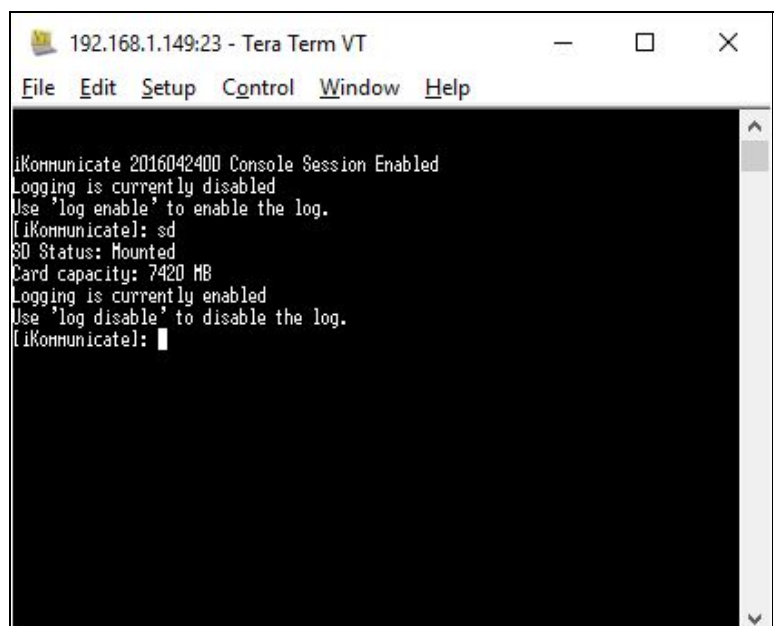Card by typing "sd" and pressing enter....

```
    192.168.1.149:23 - Tera Term VT          —    □    ×
 File  Edit  Setup  Control  Window  Help

 iKommunicate 2016042400 Console Session Enabled
 Logging is currently disabled
 Use 'log enable' to enable the log.
 [iKommunicate]: sd
 SD Status: Mounted
 Card capacity: 7420 MB
 [iKommunicate]:
```

To enable logging type "log enable" and
press enter...

Logging will now start and continue until you
type "log disable" and press enter. To be
sure the log file is correctly closed and
saved, you should always enter the "log
disable" command rather than just power off
iKommunicate. If you do power down
iKommunicate, when you next power up
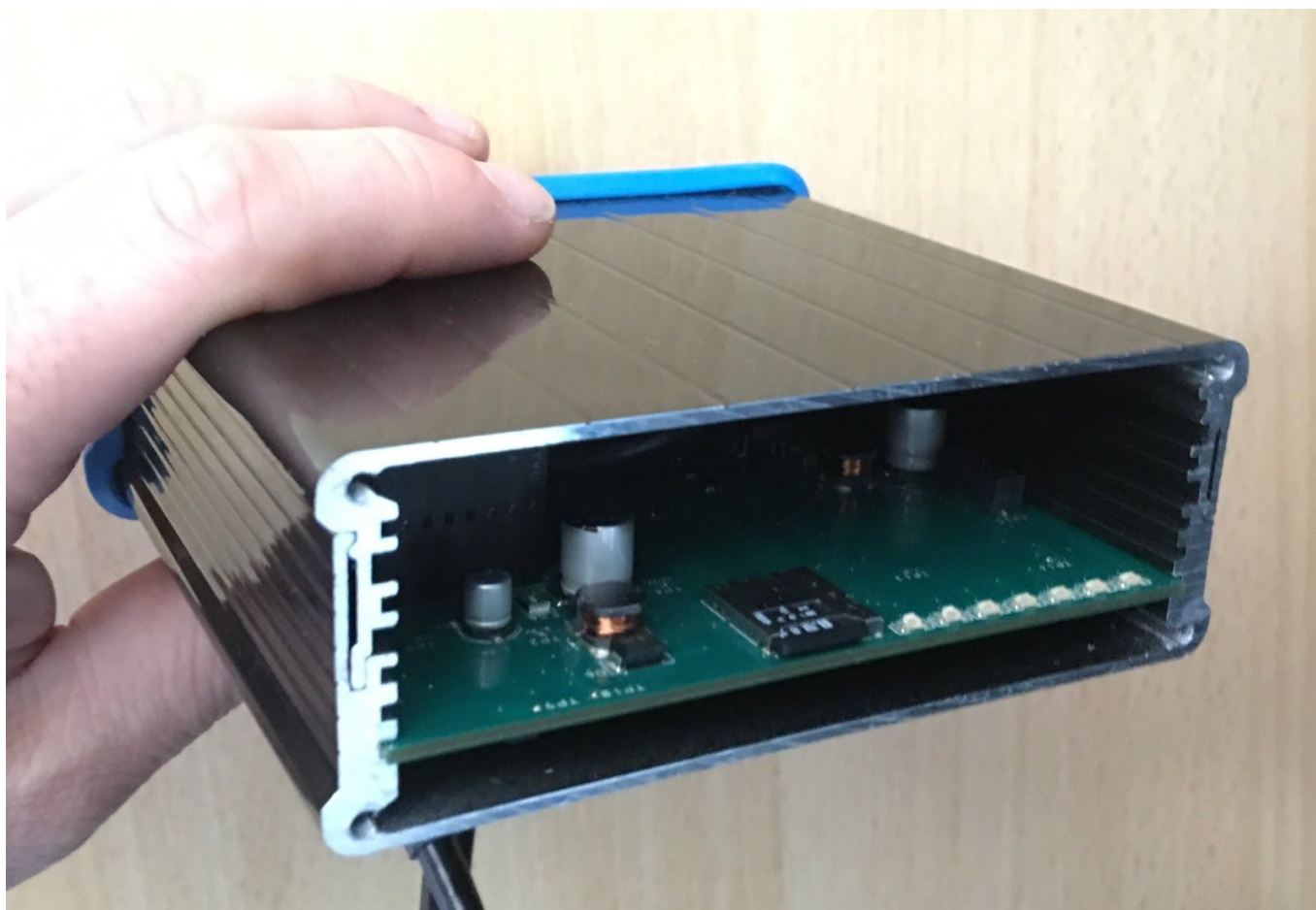logging will be disabled.

```
    192.168.1.149:23 - Tera Term VT          —    □    ×
 File  Edit  Setup  Control  Window  Help

 iKommunicate 2016042400 Console Session Enabled
 Logging is currently disabled
 Use 'log enable' to enable the log.
 [iKommunicate]: sd
 SD Status: Mounted
 Card capacity: 7420 MB
 Logging is currently enabled
 Use 'log disable' to disable the log.
 [iKommunicate]: █
```

Each time you start a log session it will create a new log folder; LOG001, LOG002, LOG003, etc. and within each folder there may be a series of multiple log files in numerical order each about 300KB long. If you just ZIP up the complete top level LOG folder and send it to me, I can work everything out.

To access the log files, you will need to open the plain end cap of the iKommunicate (4x cross head screws) with the 12/24v power turned off and eject the micro SD Card, by gently pushing it in, till it clicks and then pulling it out.

Please email log files to support@digitalyacht.co.uk

Re-insert the micro SD Card, making sure to gently push it all of the way in until it clicks and is retained in position.