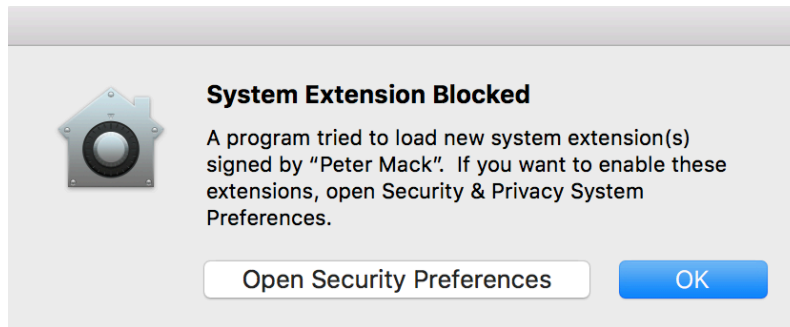# macOS USB Driver

For all **SCS** modems

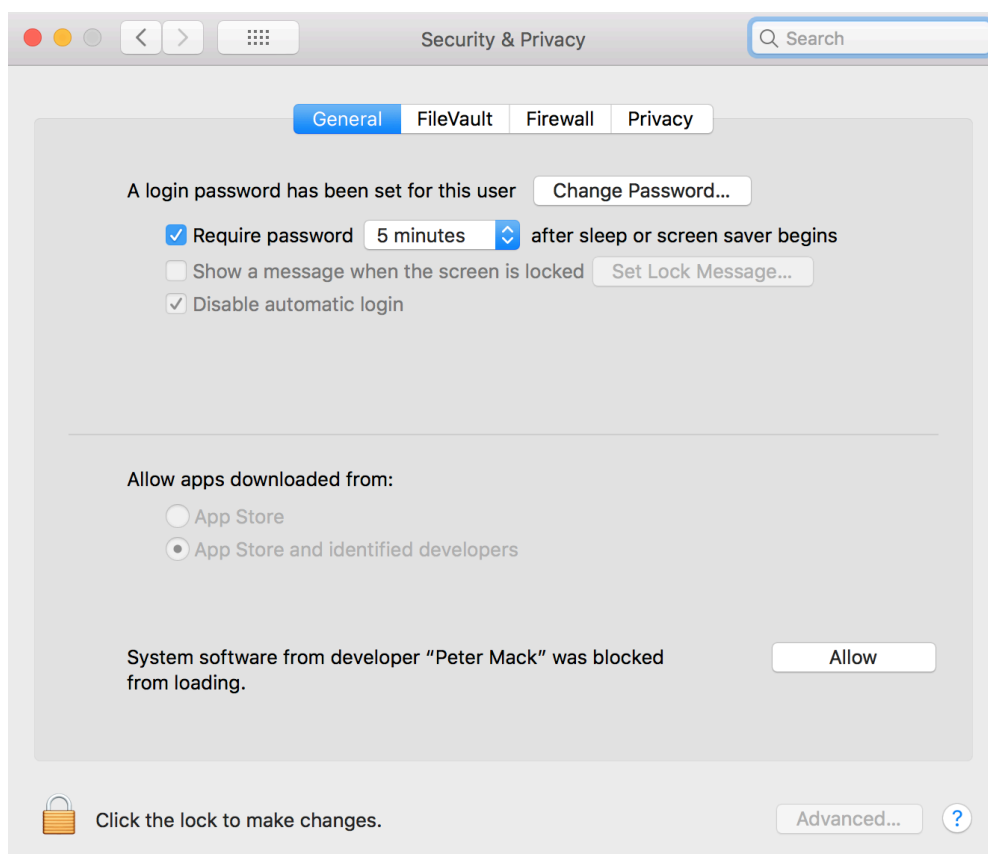**SCS** Special Communications Systems

Installing the driver

Double click on the installer package `SCSUSBSerialDriver.pkg` and follow the instructions.

Beginning with macOS High Sierra Apple added additional security when loading third party drivers. So you will see the following message during the last stage of the installation process:

The `SCSUSBSerialDriver.pkg` and the contained driver were properly signed with the private Apple developer ID of one of the SCS members (Peter Mack).

So you have to click on "Open Security Preferences". This leads you to the following dialog:

Click to "Allow" to continue the installation process.

Testing the driver

After successful installation of the driver you may now connect your SCS modem to your Mac using a standard USB cable.

To check if everything works start the Apple Terminal app from the Applications->Utilities folder. Enter the following command and press the Return key:
```
ls -l /dev/tty.*
```

You should see something like:
```
bash-3.2$ ls -l /dev/tty.*
crw-rw-rw-  1 root  wheel  17,  20  5 Feb 10:36 /dev/tty.Bluetooth-Incoming-Port
crw-rw-rw-  1 root  wheel  17,   2  5 Feb 10:36 /dev/tty.SCSDRAGON7800-DRXPT6RZ
```

You should see an entry like
```
/dev/tty.SCSDRAGON7800-DRXPT6RZ
```
`SCSDRAGON7800` if you have a SCS P4dragon DR-7800 or

`SCSDRAGON7400` if you have a SCS P4dragon DR-7400.

`DRXPT6RZ` is a more or less random number.

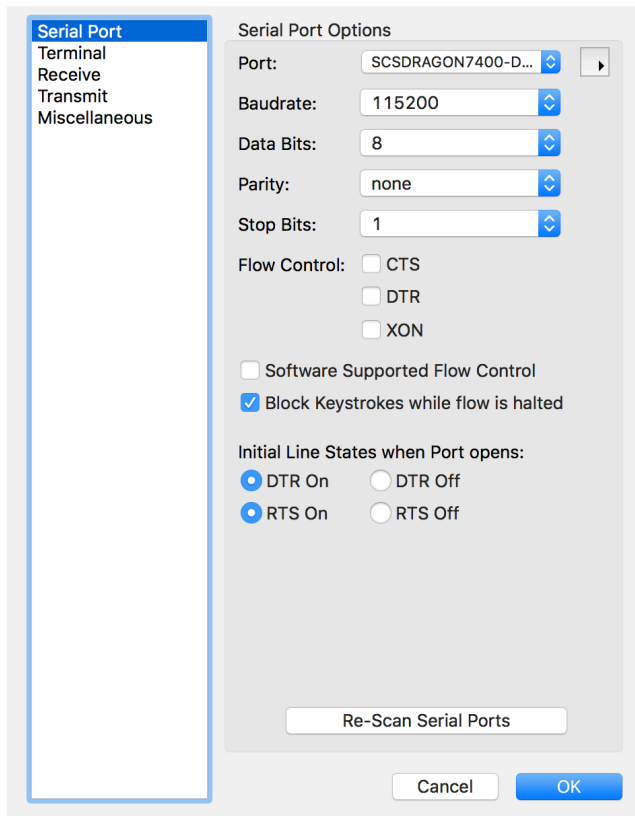Now you can use the simple serial communications app like CoolTerm from http://freeware.the-meiers.org to communicate with your modem.
Because this app is not signed you have to follow these steps to start the app the first time:
  1) In Finder, Control-click or right click the icon of the app.
  2) From the contextual menu that appears select Open while holding down the command key.

Using CoolTerm

Setting up CoolTerm for the use with SCS modems is pretty straight forward. Only a few settings have to be changed. First open the Option dialog from the Connection menu or click on the Options icon at the tool bar. The following dialog shows up:
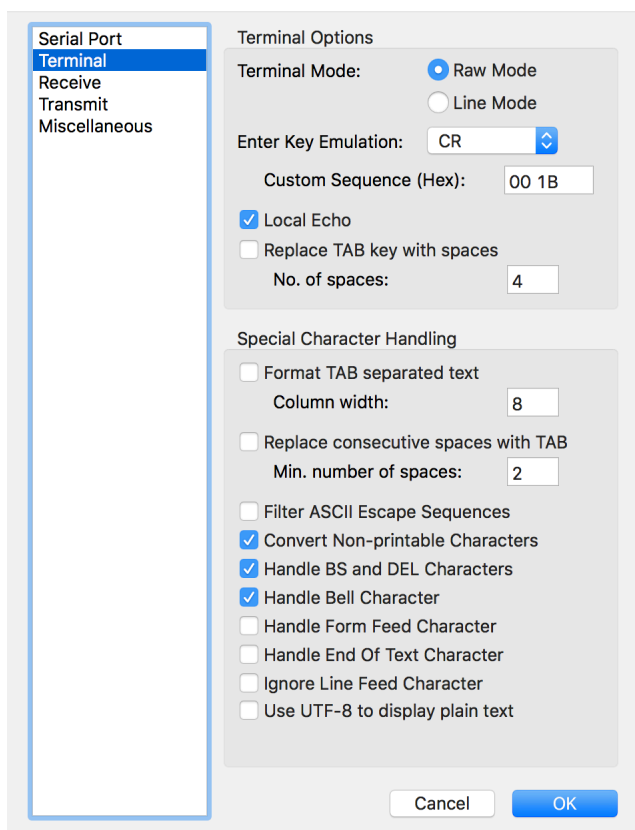

Choose the appropriate Port and set the Baudrate to 115200.

For the SCS Tracker / DSP TNC set the Baudrate to 38400 (if not changed with DIP switch 2).

Uncheck "Software Supported Flow Control".

Select the Terminal tab:

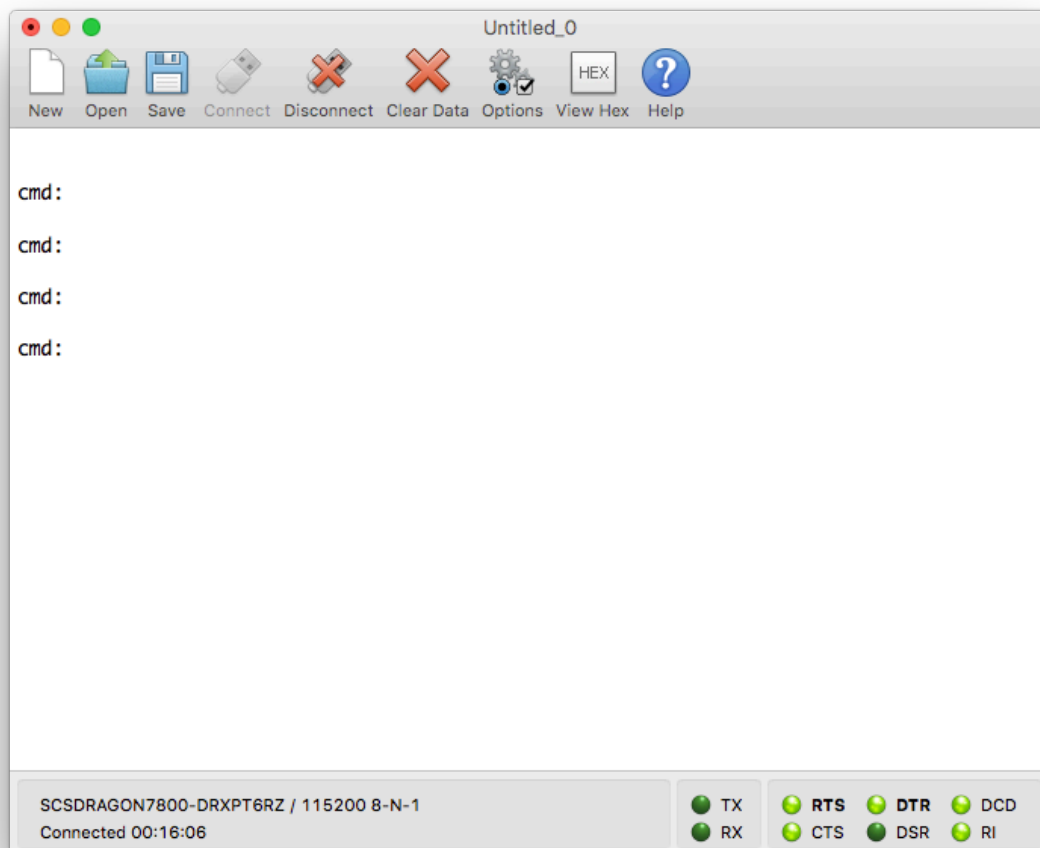Set "Enter Key Emulation" to CR.

Check "Local Echo".

Check "Handle BS and DEL Characters".

Check "Handle Bell Character".

Click Ok.

Now you can click on Connect from the tool bar. After pressing the Enter key you should see the typical `cmd:` from the modem. For an appropriate reaction of the Tracker / DSP TNC you should press the ESC key.

Technical information

This driver is a customized version oft he FTDI OS X USB driver version 2.2.18 see
http://www.ftdichip.com/Drivers/VCP.htm
Despite the fact that this driver is specified only for OS X 10.3 to 10.8 by FTDI it runs perfectly up to macOS 10.13.3.

SCS

Spezielle Communications Systeme GmbH & Co. KG
Roentgenstrasse 36
63454 Hanau
GERMANY

Internet: www.p4dragon.com
Email: info@p4dragon.com

FON: +49 (0)6181 85 00 00
FAX: +49 (0)6181 99 02 38