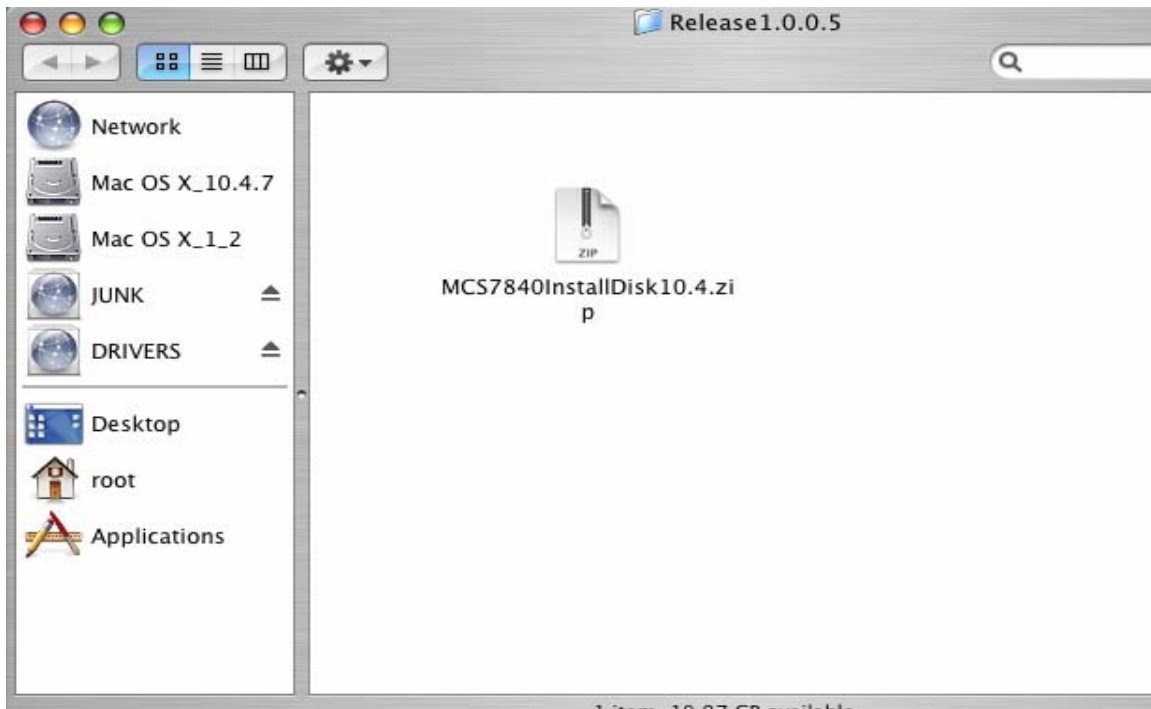
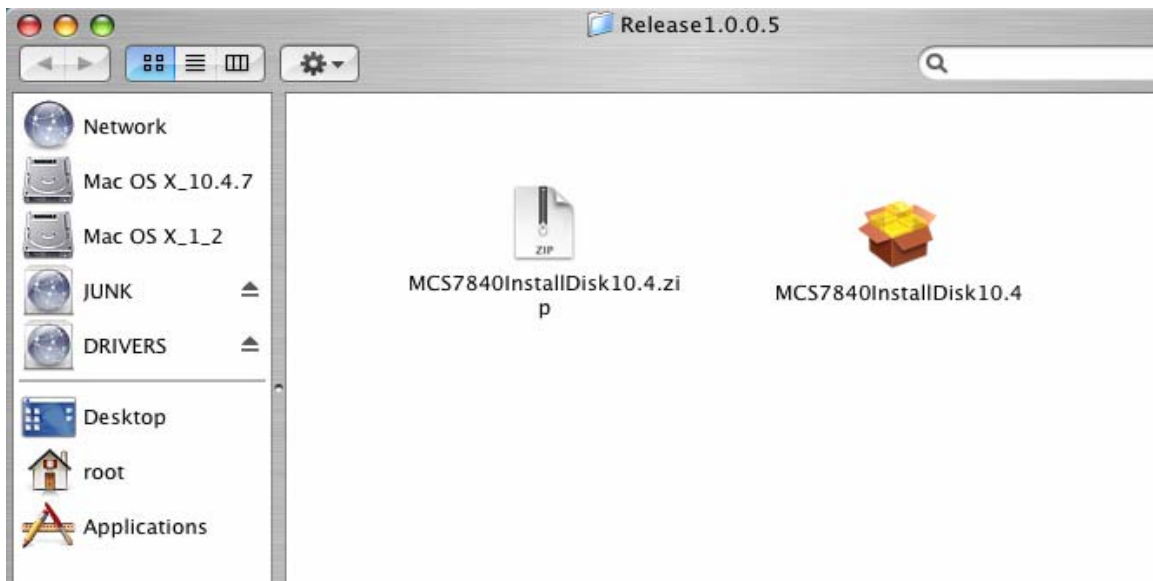


This document explains the user about the MCS7820 / MCS7840 driver installation procedure on Macintosh OS and also the usage of Zterm application.

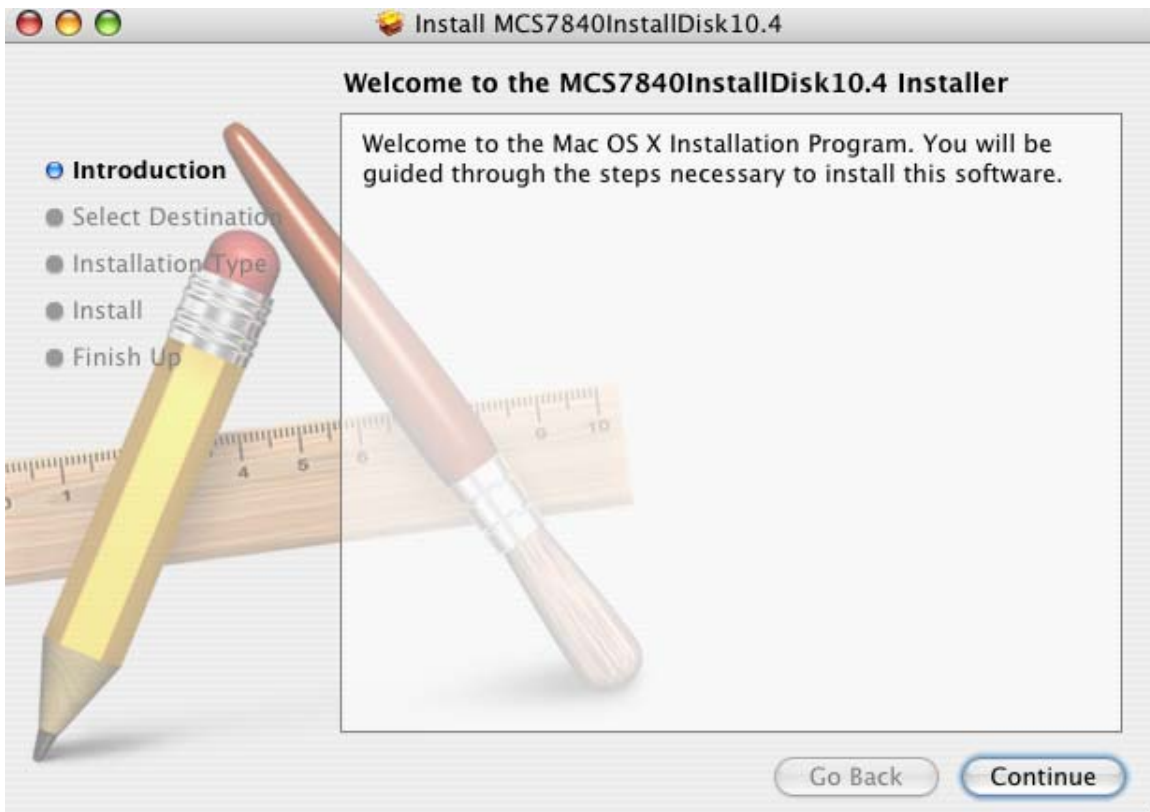
Copy the driver disk from our website at www.moschip.com
The driver disk is a zip folder as shown below.



Double click the zipped driver to extract the driver package. The package will look as shown below.



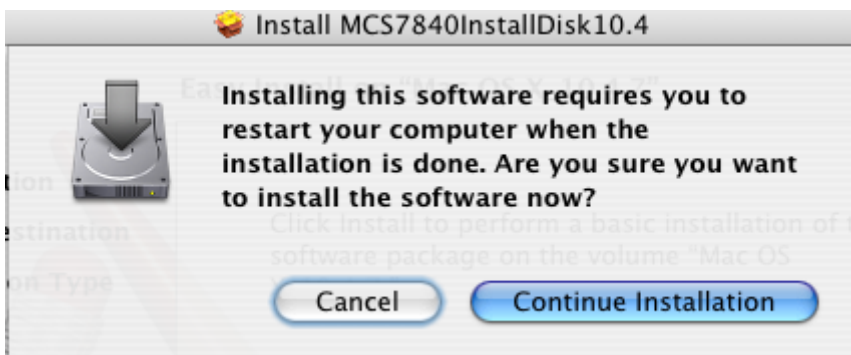
To install the driver, double click on “**MCS7840InstallDisk10.4**” package. This will pop up the introduction pane which will guide you through the steps required for installing the software. Click on “**Continue**” button to proceed further.



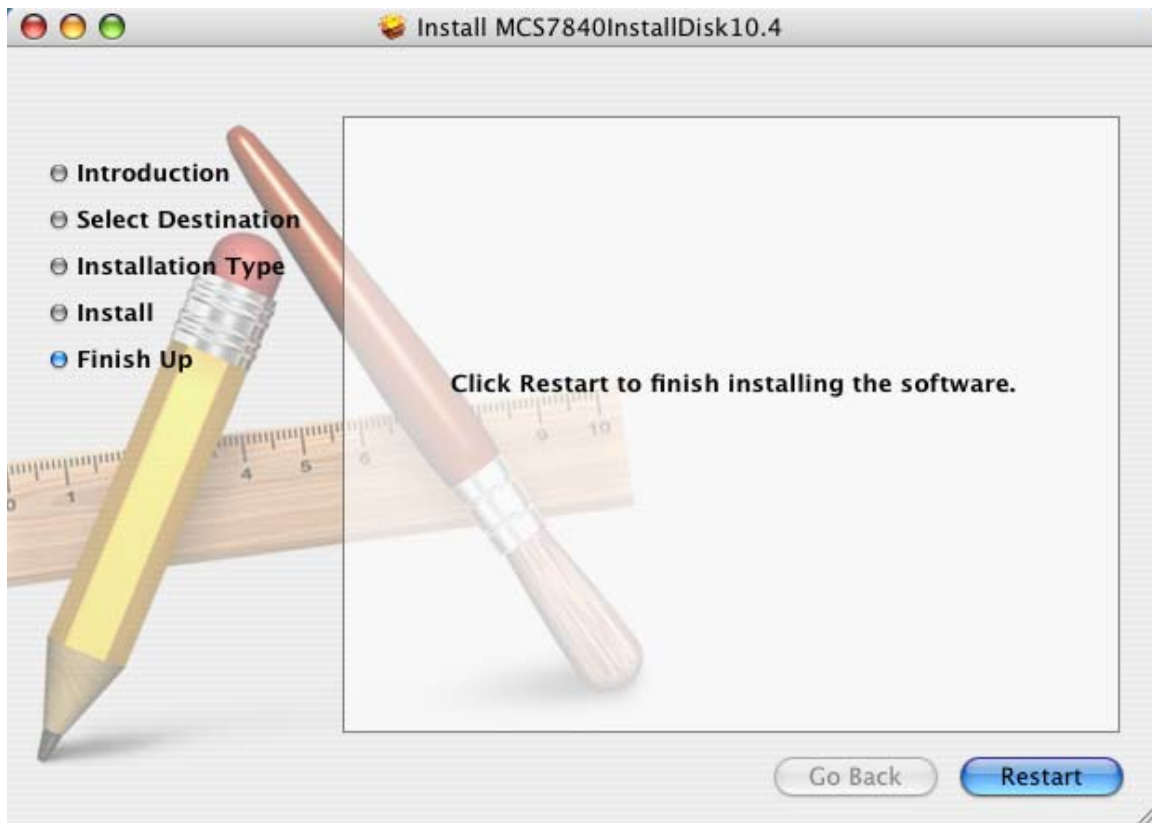
Select the destination volume where you want to install the MCS7840 software and click on **“Continue”** to proceed further.



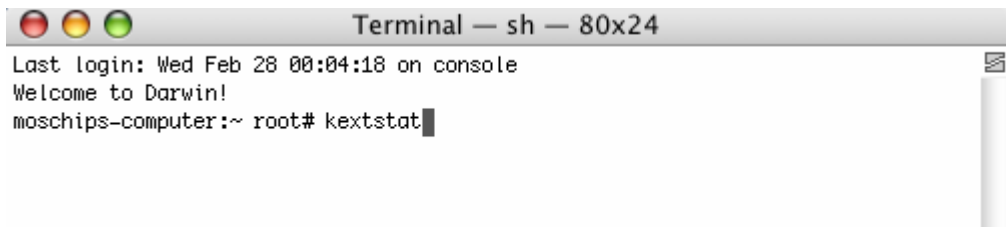
The OS prompts the user stating that the PC requires restarting when the installation is done. Select the option **“Continue installation”**.



Click on **“Restart”** to finish installing the software of MCS7840.



We can confirm the driver installation by typing the command **“kextstat”** in the terminal window.



```

74 0 0x204fb000 0x60000 0x5f000 com.apple.driver.AirPortAtheros5424 (104.1) <73 34 16 11 6 5 4 3 2>
75 0 0x2056b000 0x3000 0x2000 com.apple.driver.AppleACPILPC (1.0.4) <16 5 4 3>
76 1 0x2056e000 0xf000 0xe000 com.apple.iokit.IONDRVSupport (1.4.3) <63 16 6 5 4 3>
77 3 0x20581000 0x17000 0x16000 com.apple.iokit.IOAudioFamily (1.5.9b2) <35 11>
78 1 0x205ca000 0x2e000 0x2d000 com.apple.driver.AppleFWAudio (1.1.7b6) <77 65 44 11>
79 0 0x204de000 0x3000 0x2000 com.apple.driver.AppleMLANAUDIO (1.1.7b6) <78 65 44 11>
80 0 0x20598000 0x4000 0x3000 com.apple.driver.AudioIPCDriver (1.0.2) <77 5 4 3 2>
81 0 0x205f8000 0x4c000 0x4b000 com.apple.driver.AppleHDA (1.1.7a2) <77 71 5 4 3 2>
82 0 0x206d8000 0x30000 0x2f000 com.apple.driver.AppleIntelGMA950 (4.3.2) <76 63 16 11>
83 0 0x208c8000 0x8000 0x7000 com.apple.iokit.IOFireWireIP (1.4.4) <44 34 6 5 4 3 2>
84 0 0x208d0000 0x3000 0x2000 com.apple.Dont_Steal_Mac_OS_X (6.0.0) <62 6 4 3 2>
85 2 0x20a31000 0x9000 0x8000 com.apple.iokit.IOSerialFamily (9.0.0d30) <6 5 4 3 2>
86 0 0x20a3a000 0x9000 0x8000 com.apple.iokit.IOBluetoothSerialManager (1.7.5f10) <85 11>
88 0 0x2175b000 0x9000 0x8000 com.MosChip.driver.MCS7840 (1.0.5) <85 35 11>
ioschips-computer:~ root#

```

Procedure to Un-install the MCS78XX drivers:

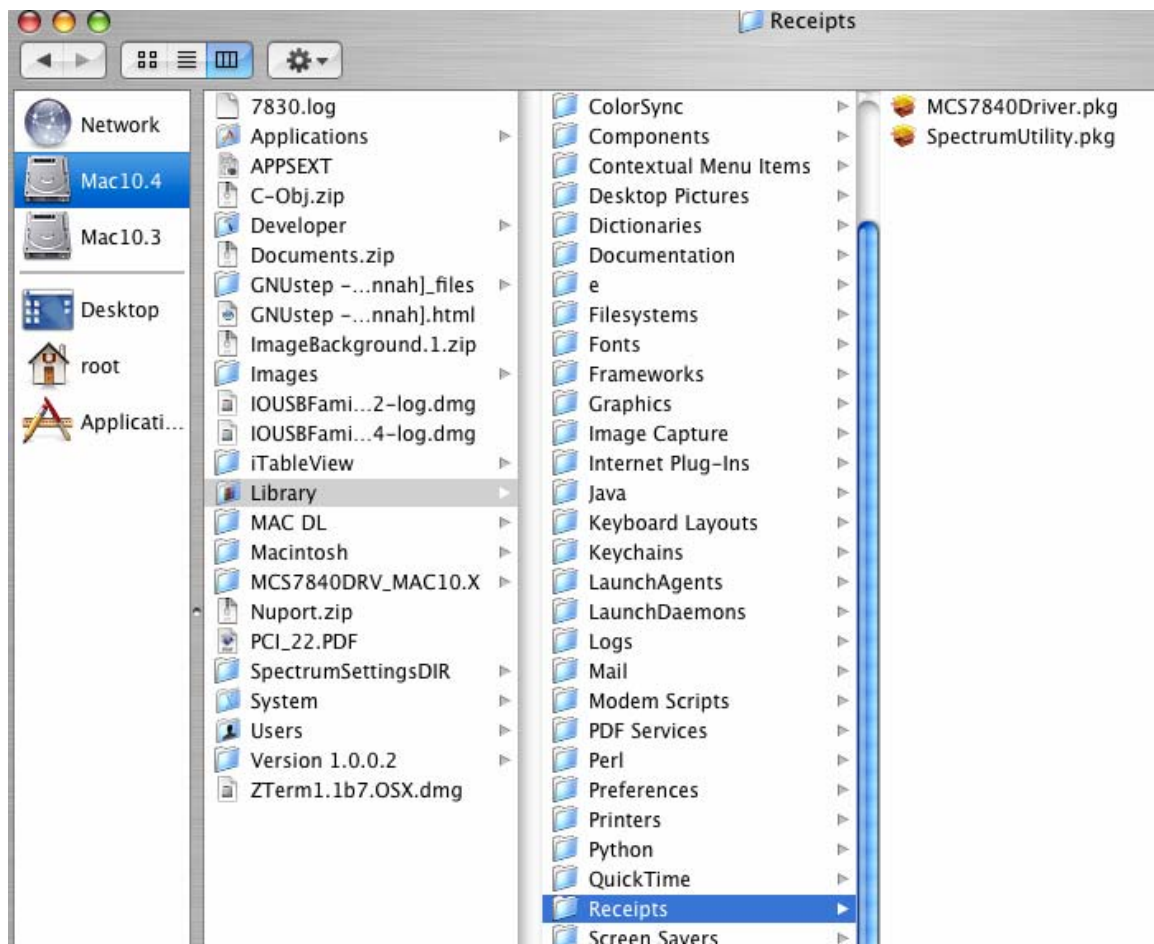
Following procedure has to be followed when you need to remove the existing drivers of MCS78XX on MAC OS.

1) Go to the option "**Finder**". This option is available on the taskbar of the MAC PC as shown below.

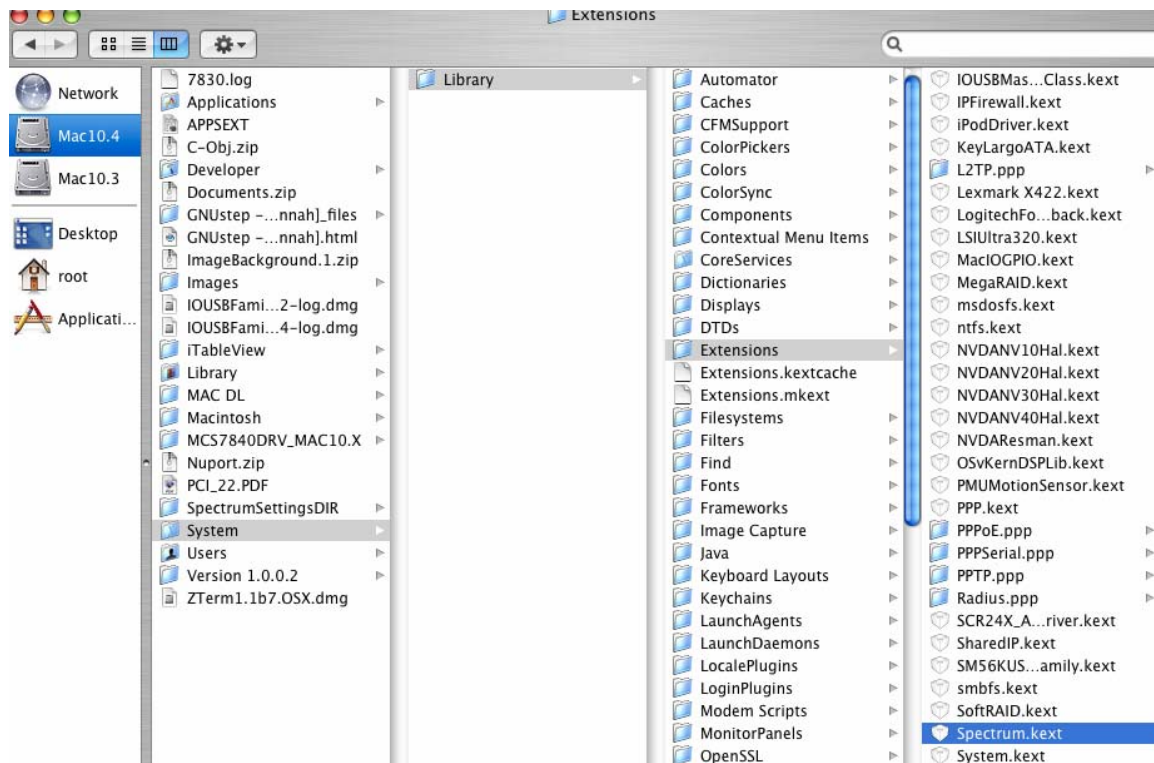


In the "**Finder**" window, select the disk 10.4 and go to "**Library → Receipts**" option. Here select the packages "**MCS7840Driver.pkg**" and "**SpectrumUtility.pkg**" and delete them.

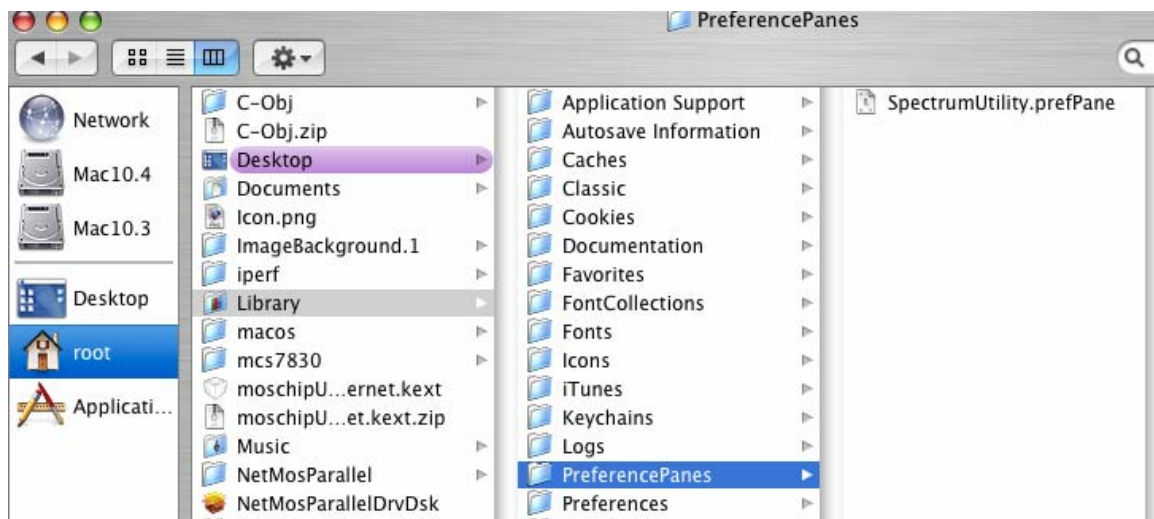
The exact path can be viewed in the screen shot below.



2) In 10.4 disk, go to “**System → Extensions**” and select “**Spectrum.kext**” and delete it.



3) Go to “root” directory and select “Library → Preference Panes”, delete the entry “SpectrumUtility.prePane”. It is shown in the screen shot below.



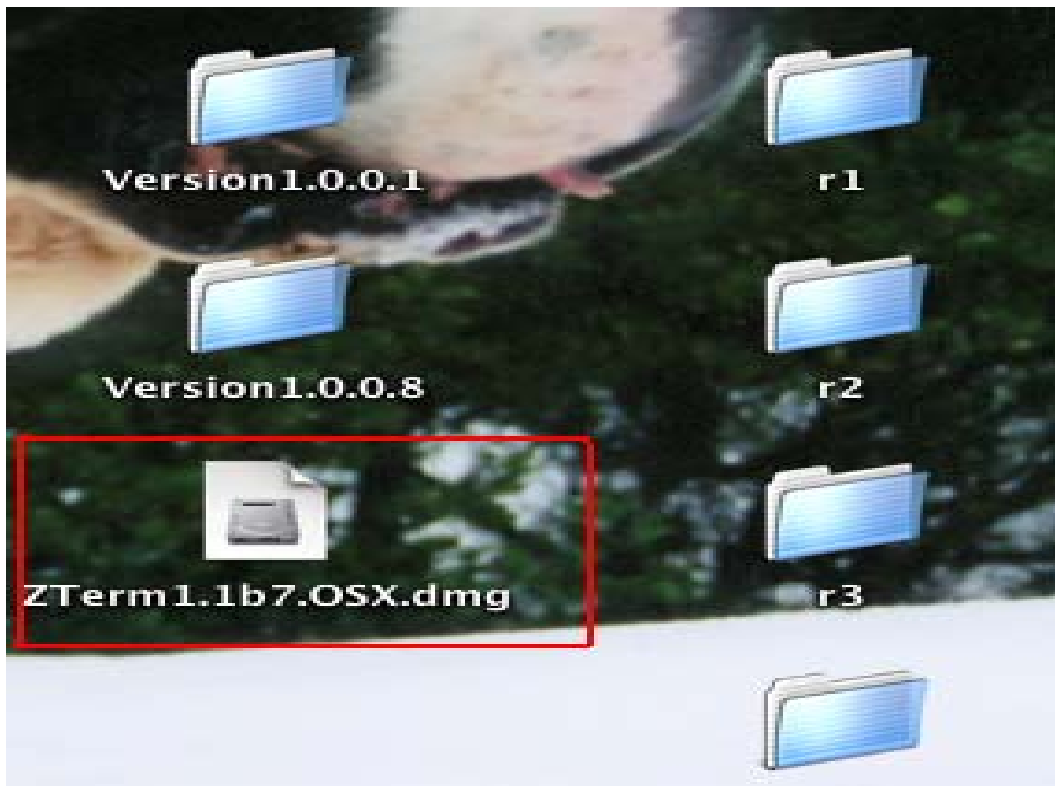
How to use ZTerm on MAC

This document explains the basic steps required to use ZTerm application on MAC OS.

The ZTerm application can be downloaded from the internet.

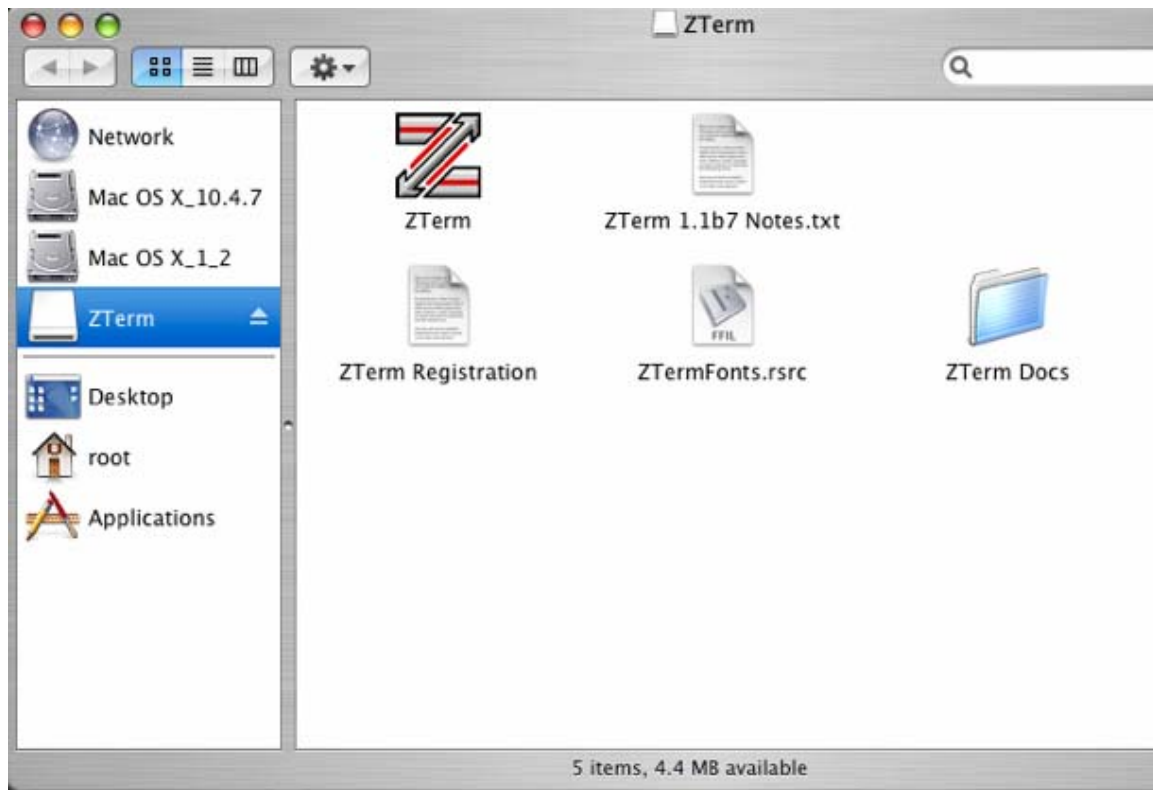
The ZTerm version currently being used is 1.1b7, which can be downloaded from the below link:

<http://homepage.mac.com/dalverson/zterm/ZTerm1.1b7.OSX.dmg>

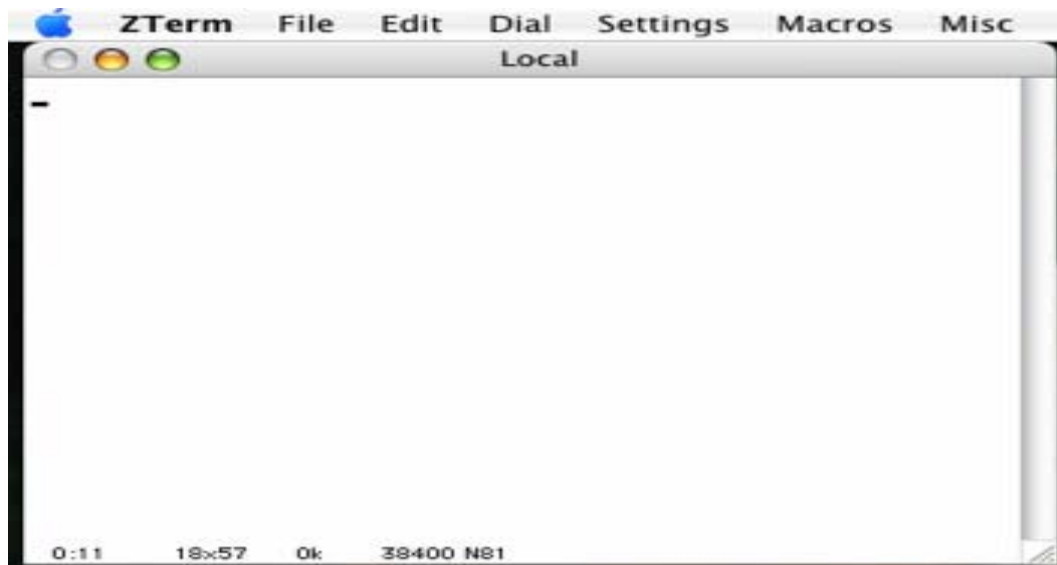


Before using the ZTerm application, install the MCS78XX drivers and connect the device to the USB port.

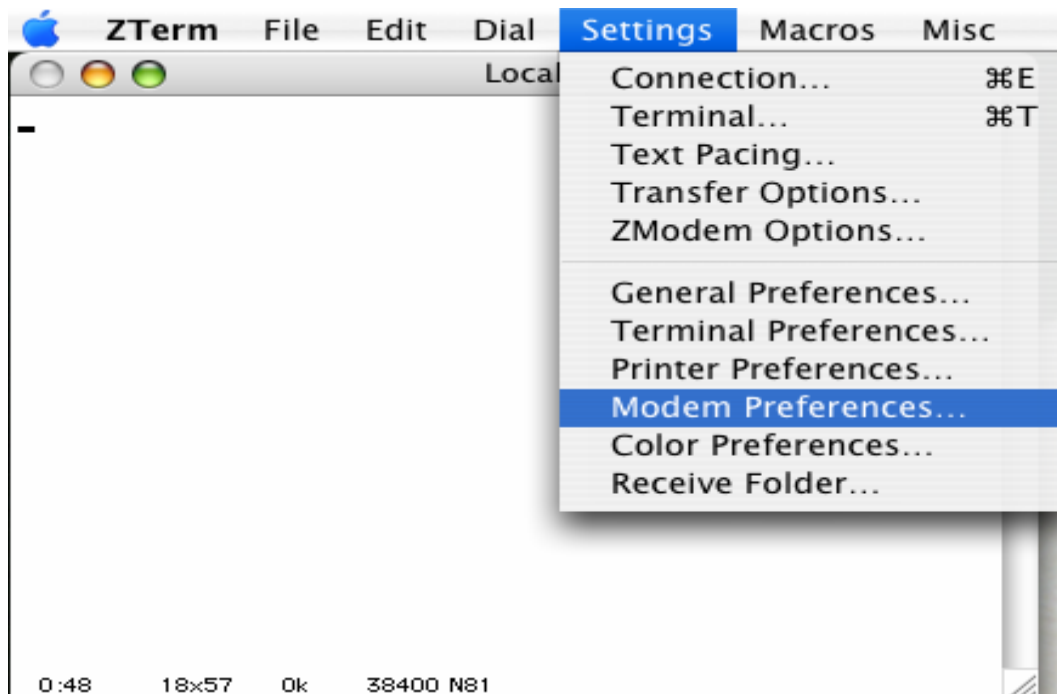
The downloaded software will look as shown in the above screen shot marked in red box. Double click on the “**ZTerm1.1b7.OSX.dmg**” to display its contents. You can view the contents as shown in the below screen shot.



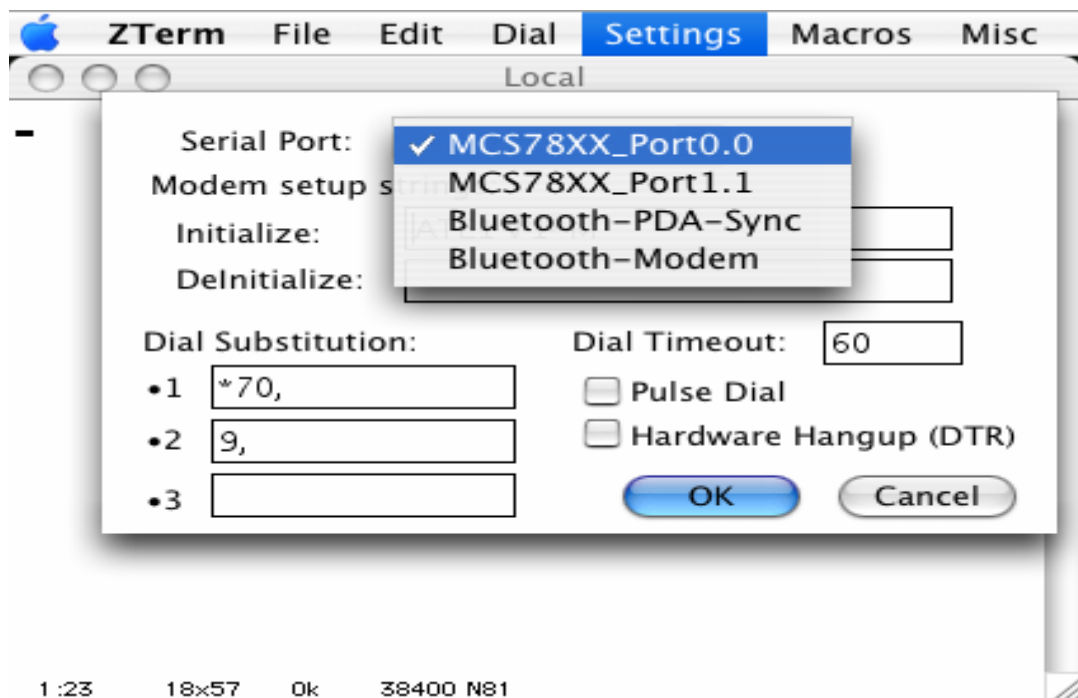
Copy the ZTerm application to the desktop of your PC and double click on it.



Go to **“Settings”** option and select **“Modem Preferences”**

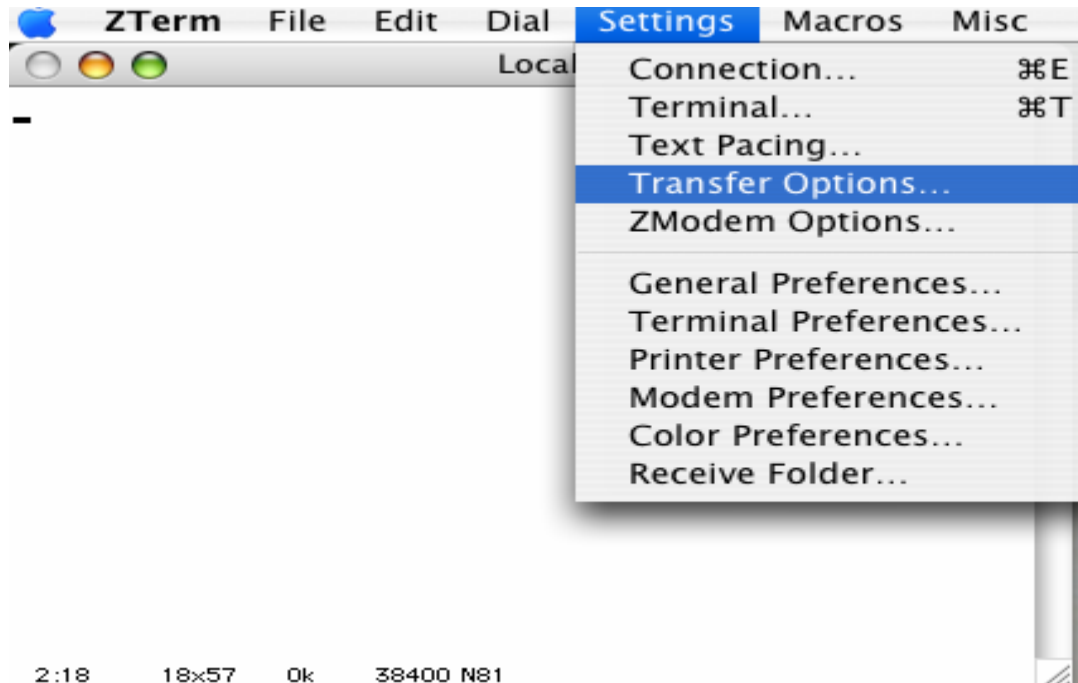


Select the COM port of MCS78XX from the Serial Port dropdown list. Follow the same procedure to open multiple applications.

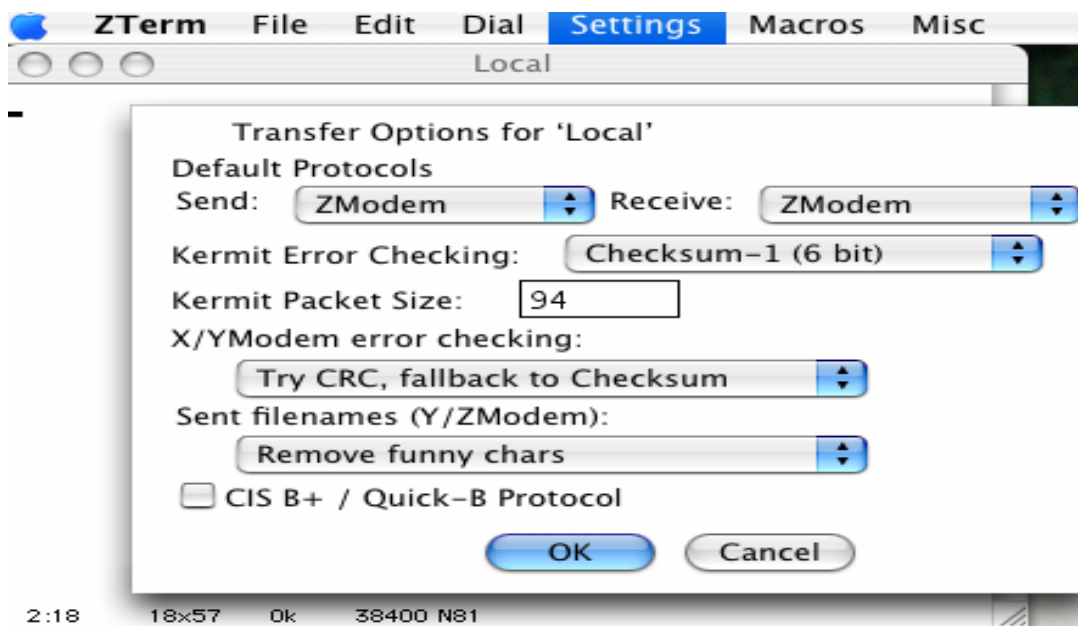


Please make sure that you select the common protocol for data transfer. It should be ZModem protocol for both send side and the receive side.

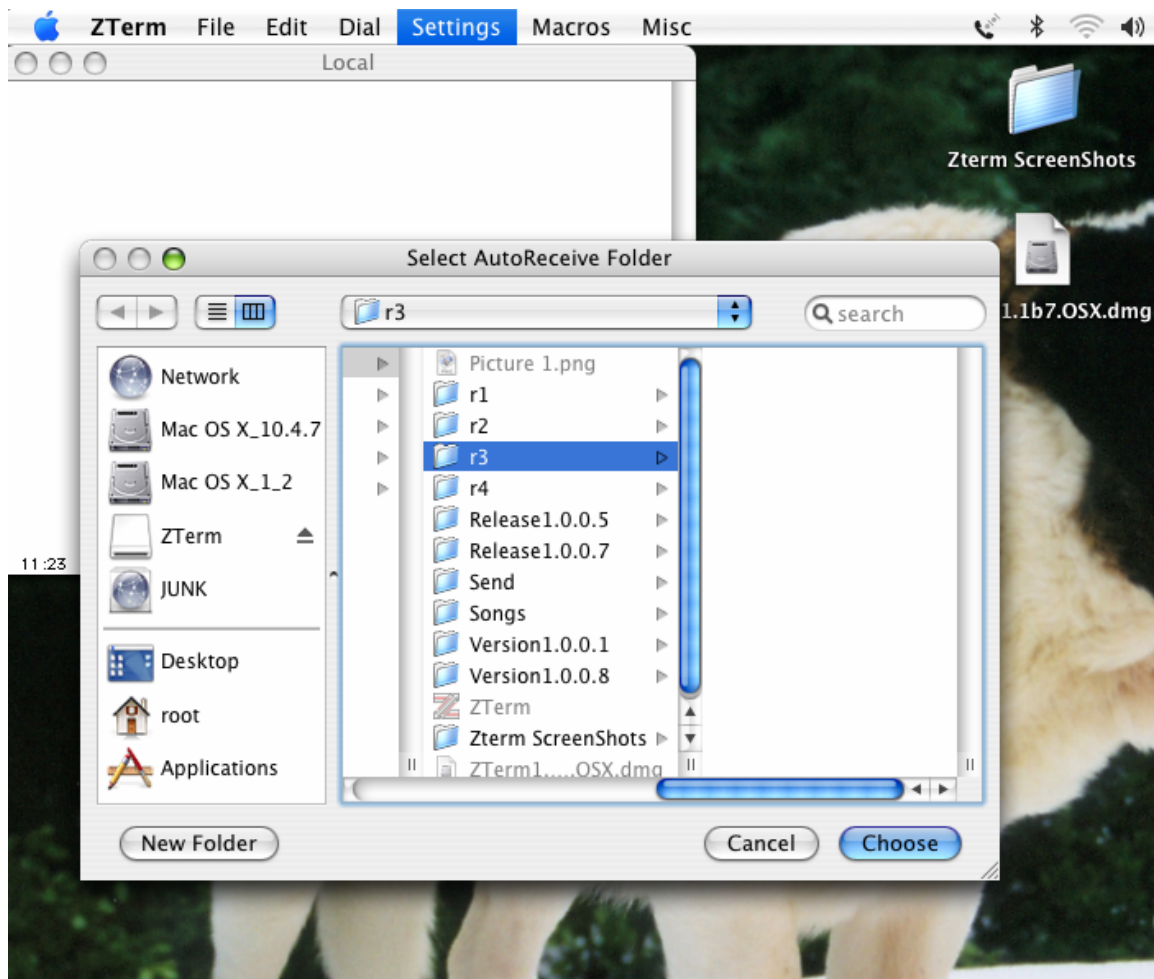
Go to “**Settings**” option and then select “**Transfer Options**”



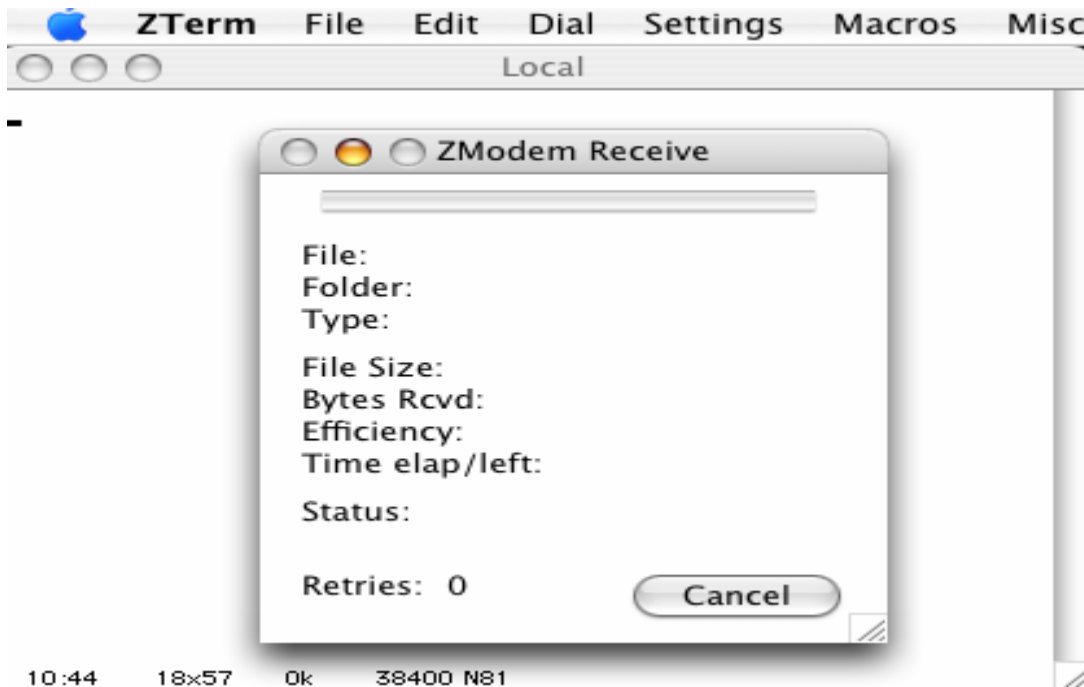
As shown below the default protocols should be “**ZModem**” for both send and receive.



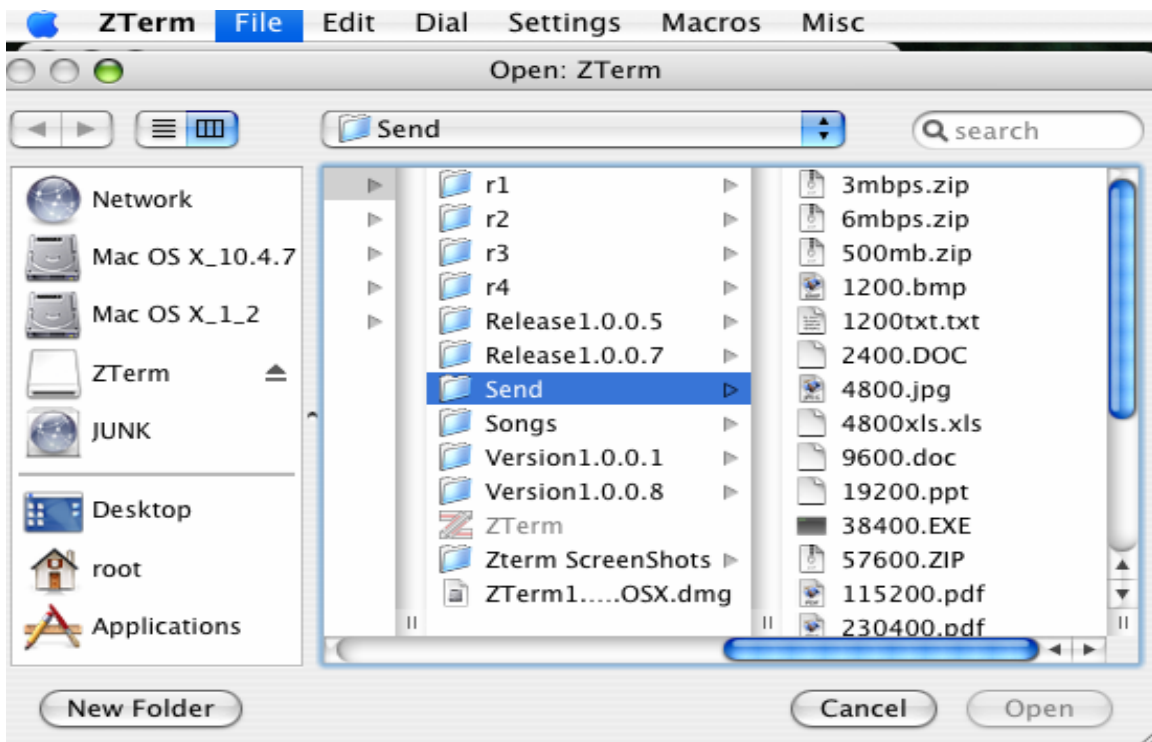
To receive a file, select the ZTerm application window from where you need to receive a file and use the shortcut key “**Apple button + R**”. This will open ZTerm receive window as shown below.



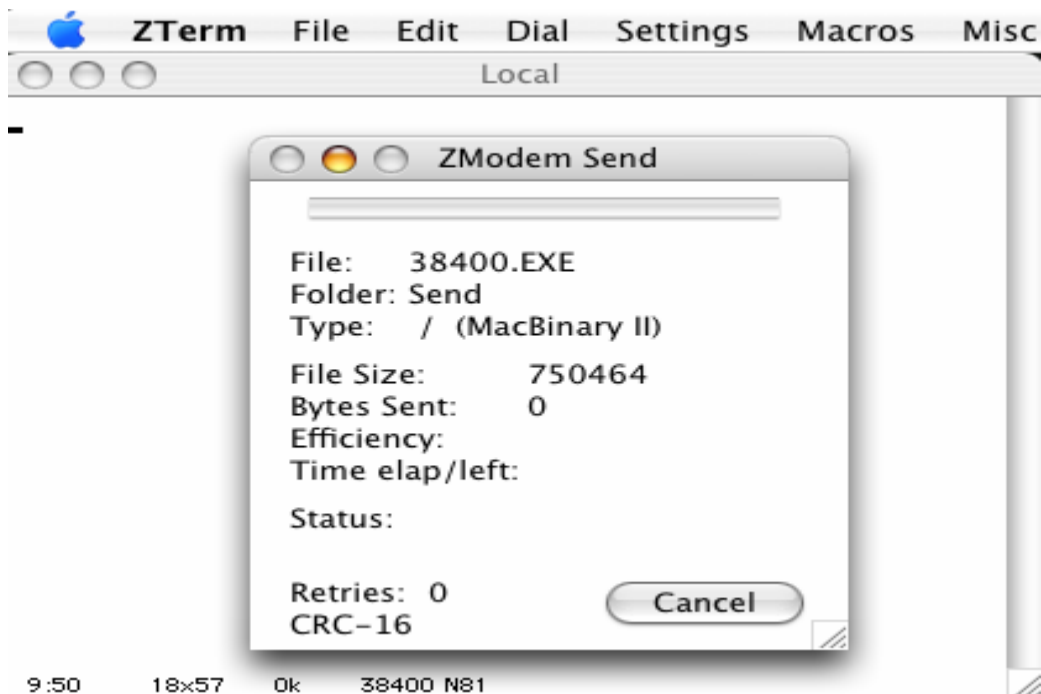
Select the destination location where you wish to receive the file and click on the option “**Choose**”. This will open the Zmodem receive window as shown below.



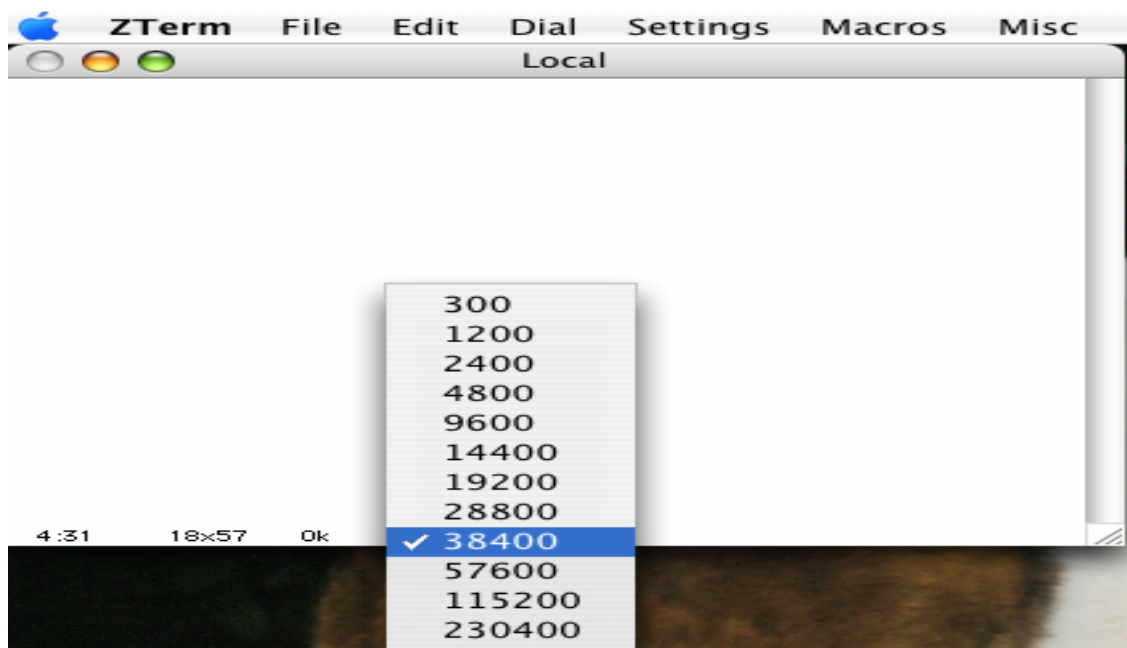
To send a file, select the ZTerm application window from where you need to send a file and use the shortcut key “**Apple button + S**”. This will open ZTerm send window as shown below. Select the file you need to send and select the option “Open”.

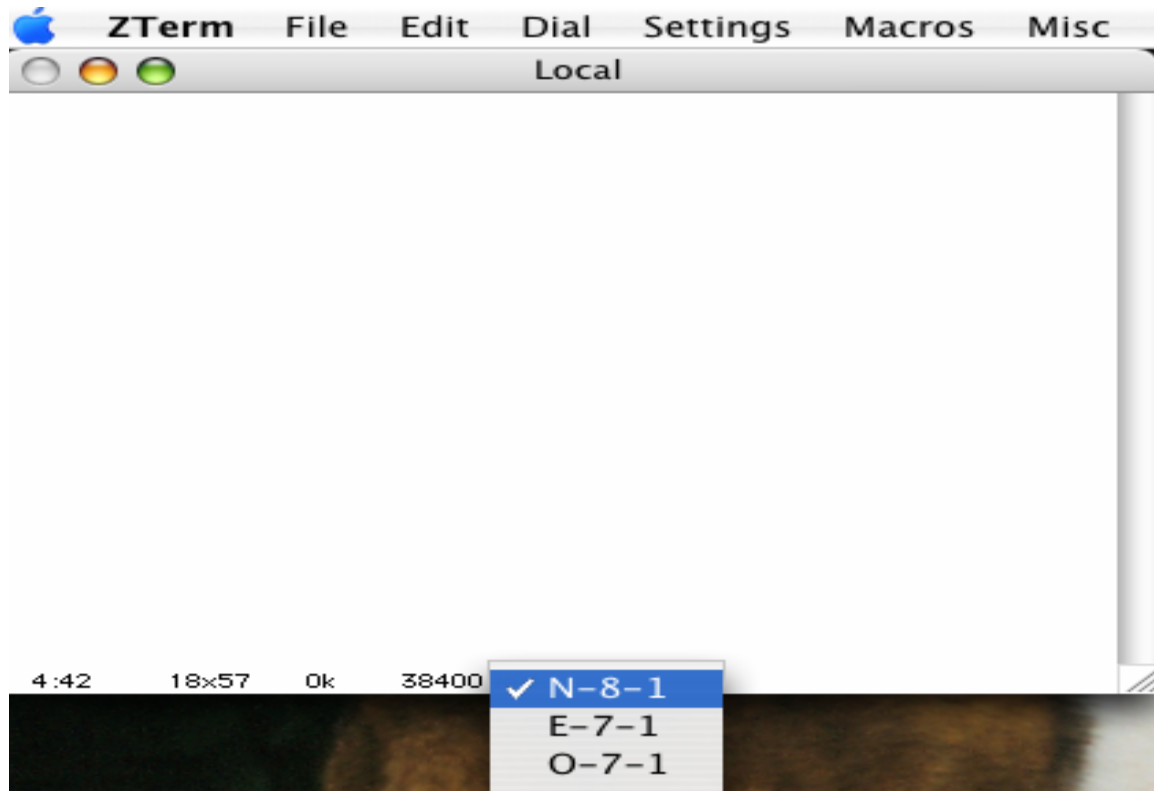


The send window is shown below.



To change the baud rate and other settings such as data bits and parity, click on the status bar of the ZTerm application and select the required settings. The following screen shots show the same.





For any further clarifications, please mark your queries to techsupport@moschip.com