

MCS9901

Mac Driver Installation User Manual

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1. Introduction:

This document provides the information about how to install the serial drivers for MosChip MCS9901 PCIe to serial ports on Mac 10.4.X. environment. Also describes about the usage of the serial ports using Z-Term and a serial modem.

2. Obtaining Driver:

MCS9901 Mac 10.4.X drivers can be downloaded from www.moschip.com.

3. Installation of the Driver:

To install the MCS9901 Driver follow the below steps:

- Shutdown the PC, Insert the MCS9901 based PCIe to serial device into one of the PCIe slot on the Apple Mac Pro System.
- Double click on the package file "**StarExDriver.pkg**" for installing the driver or go to Applications and double click on the installer and browse for the "**StarExDriver.pkg**", the Installer Tool pops up.
- Select the drive, and click continue to install.

- d) The driver installation can be confirmed by typing **kextstat** in the terminal window. On successful installation, "com.MosChip.driver.StarEx" can be seen in the loaded driver.

4. Un-Installation of the Driver:

To Uninstall the MCS9901 Driver, follow the following steps:

- a) Open the Finder from the toolbar.
- b) In Finder, select the hard disk Partition in which the driver is installed and delete the driver as described below:
 - Finder ---> Current Partition ---> Library ---> Receipts ---> StarEx Driver.pkg (Delete the file / Move to Trash)
 - Finder ---> Current Partition ---> System ---> Library ---> Extensions ---> NMMultiFu...on PCI.kext (Delete the file / Move to Trash)
- c) Reboot the system to complete the un-installation process.

5. Installing and Using the ZTerm (Version 1.1) Application.

Installing ZTerm:

The ZTerm application can be downloaded from the below link.

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

Double click on the "ZTerm1.1b7.OSX.dmg" to display the contents. Copy the Zterm application to the desktop.

Using ZTerm:

Double click on the ZTerm application, to open the ZTerm.

- Go to "**Settings**" option and select "**Modem Preferences**"
- Select the COM port of MCS9901 from the Serial Port dropdown list. Follow the same procedure to open multiple applications.
- Go to "**Settings**" option and then select "**Transfer Options**". The default protocols should be "**ZModem**" for both send and receive.
- To receive a file, select the ZTerm application window from where to receive a file and use the shortcut key "**Apple button + R**". This will open ZTerm receive window, select the destination location where to receive the file and click on the option "**Choose**".
- To send a file, select the ZTerm application window from where to send a file and use the shortcut key "**Apple button + S**". This will open ZTerm send window, select the file to send and select the option "Open".
- 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.

Note: Go to Settings tab & specify the Window Limit: as multiples of 512 if retries are observed during file transfers.

6. Modem Test:

To use or setup a Modem, follow the following steps:

- Go to System Preferences ---> Networks ---> Show (Drop down List) ---> Network port Configuration ---> Check in the ports required ---> Apply
- The ports which have been checked will be displayed In the Show (Drop down List). Select the port needed to use for Modem.

NOTE:

1. **The current version of the Driver has support for 4S, 3S, 2S and 1S Serial Configuration of MCS9901.**
2. **The present Mac serial driver supports only up to 2x baud rate.**

Revision history

Date	Reason for change	Version
11 th Feb 2008	First cut document	0.1

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