

Installing the AdMore Configurator Software

The AdMore Configurator is used to configure the AdMore Light Bar Light and to change default settings. The Light Bar comes pre-configured with standard (Default) settings so the product can be installed, connected and is fully functioning right out of the box without any programming required.

The following Light Bar features can be modified using the AdMore Configurator software available at www.admorelighting.com:

- Accelerometer Sensor (Default = "On")
- Accelerometer Sensitivity (Default = "Low")
- Brake Light Brightness (Default = "7" – highest brightness)
- Brake Light Modulation (Default = "On")
- License Plate LED (Default = "Off")
- White LED Strobe (Default = "On")
- Deceleration Sequence Brightness

Be sure to check the "Help" menu in the AdMore Configurator for more details on these features.

Please note that the Light Bar must be powered on (i.e. 12V on Red wire and Black wire to Ground) in order to use the AdMore Configurator,

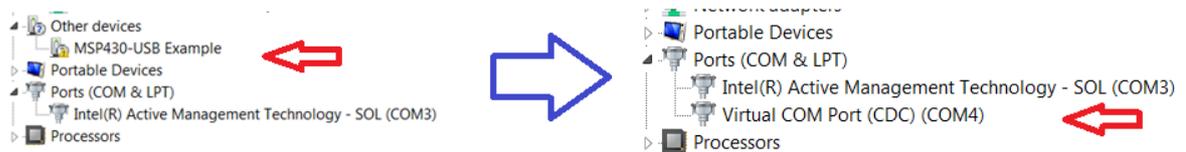
To install the AdMore Configurator application:

1. Download and run the latest version of the AdMore file from the AdMore Lighting website (www.admorelighting.com) and place it in a folder on your computer. This will install the AdMore Light Bar software and creates an AdMore folder in your <ProgramFiles> on your computer containing the following:
 - a. AdMore Configuration Utility
 - b. Firmware update Utility
 - c. Windows Device Driver
 - d. AdMore Light Bar Documentation
 - e. All of the necessary files to run the AdMore Light Bar programming applications.
2. The setup utility will also install two icons on the desktop. One for the AdMore Configurator and the other for the firmware upgrade utility.
3. Using a small screwdriver, remove the red USB dust cap.
4. Connect the included USB cable to the USB port. The device will appear on Windows Device manager as "MSP430 USB Example". The driver should install automatically as long as it can be found on your computer. If it doesn't, choose a manual search for the driver and point to the <Program Files> (x86)\AdMore\WinDrv folder on your computer where it was stored. If a warning message appears during installation that this is not a Windows signed driver, please ignore. Note that on Windows 8.X and later versions, signature driver enforcement may need to be temporarily disabled to allow the driver to install.

Important note - Typical USB connections will supply between 300-500mA; some notebooks could be even less. The AdMore Light Bar requires a minimum of 400mA @ 5V to operate. If the Light Bar

appears to be having issues detecting the driver, it may be necessary to switch on the bike ignition to complement the power supplied.

5. Once installed, the device will appear as a **Virtual COM port CDC (COM x)** where 'x' can be any COM port number, under your **Ports (COM&LPT)** section in your Windows Device Manager as shown in the picture below.



Installing the device driver

6. If unsure, click Start -> Right Click on My Computer -> Properties -> Device Manager and open up Ports (COM & LPT). The device will show as "**Virtual COM Port CDC(COMx)**". Record the port number.
7. Launch the AdMore Configurator from the folder it was placed upon download.
8. Select **File** -> **Serial**. Configure the port using the earlier recorded COM port number,
 - speed - 9600 baud or higher,
 - 8bits, 1 stop,
 - no parity and no flow control.

Firmware Upgrades

Firmware Updates

The Light Bar firmware can also be updated (if necessary) using the AdMore Firmware Programmer. The Programmer, firmware files and programming instructions can be downloaded from www.admorelighting.com.

Be sure to firmly replace the red USB cap after programming/updating is complete!

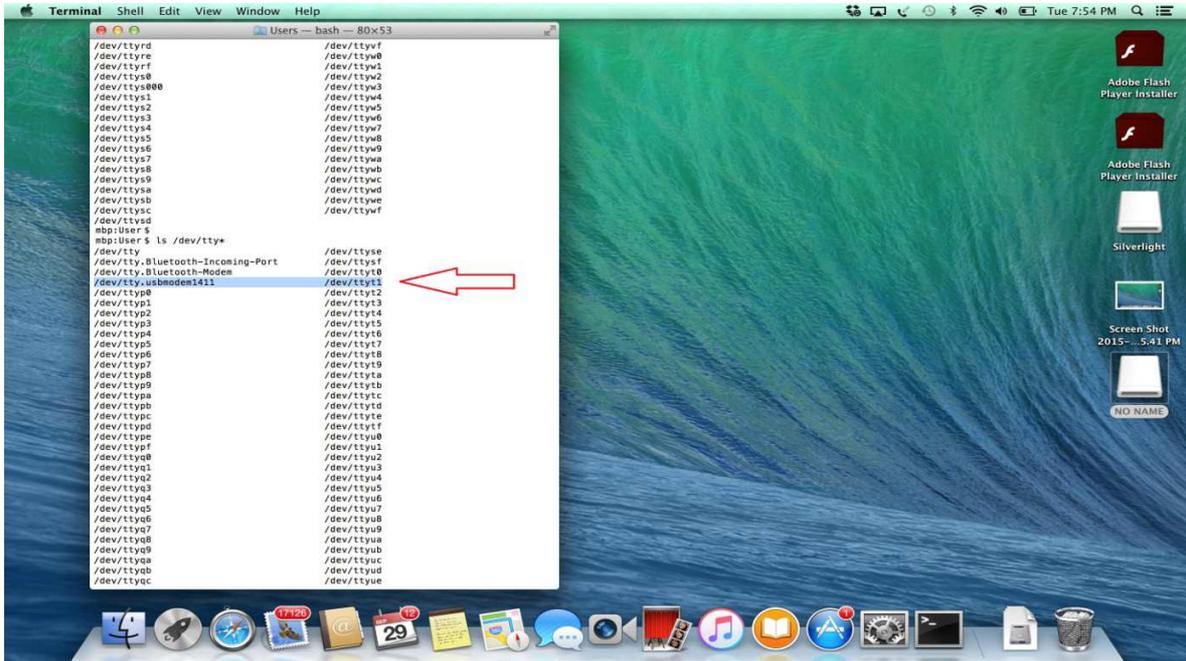
Firmware upgrades may be necessary for future feature upgrades and/or bug fixes.

The current firmware version can be determined by connecting the AdMore Light Bar to your PC via the included USB cable and launching the AdMore Configurator. If using a different operating system, go to command line prompt using a terminal utility such as Teraterm and type "sysinfo" at the command prompt. The firmware version along with system info will be displayed.

In order to upgrade the firmware:

1. Launch the AdMore Firmware utility which was placed on your desktop during the software installation.
2. Ensure the Light Bar is powered off or your vehicle ignition is switched off.
3. Position the supplied small earth magnet on the back of the Light Bar where the word or symbol for "UPGRADE" is etched in.
4. While holding the earth magnet in the position indicated above, plug the USB cable into the USB port on the back of the Light Bar. The Light Bar will enter the firmware update mode and the utility will report a device was found. Once the utility shows that a device has been detected, the magnet is no longer needed in the upgrade position and must be removed in order to continue.
5. In the AdMore Light Bar Firmware Upgrade utility select the firmware file by pressing the 'Browse' Button and pointing to its location on your computer hard drive. The firmware file has a *.txt extension. Please do not attempt to load other text files (such as the release notes) or the upgrade will fail.
6. Click the "Upgrade Firmware" button and wait for the utility to report completion and unit automatic disconnection.
7. Disconnect the USB cable and replace the red USB dust cap.
8. The upgrade is complete and the AdMore Light Bar is ready for use.

4. The AdMore Light Bar will show as `/dev/tty.usbmodem1411` `/dev/tty1`



Apple OS identifying AdMore Light Bar assignment in `/dev/tty`

5. At the same command prompt type : `screen /dev/tty.usmodem1411 9600`

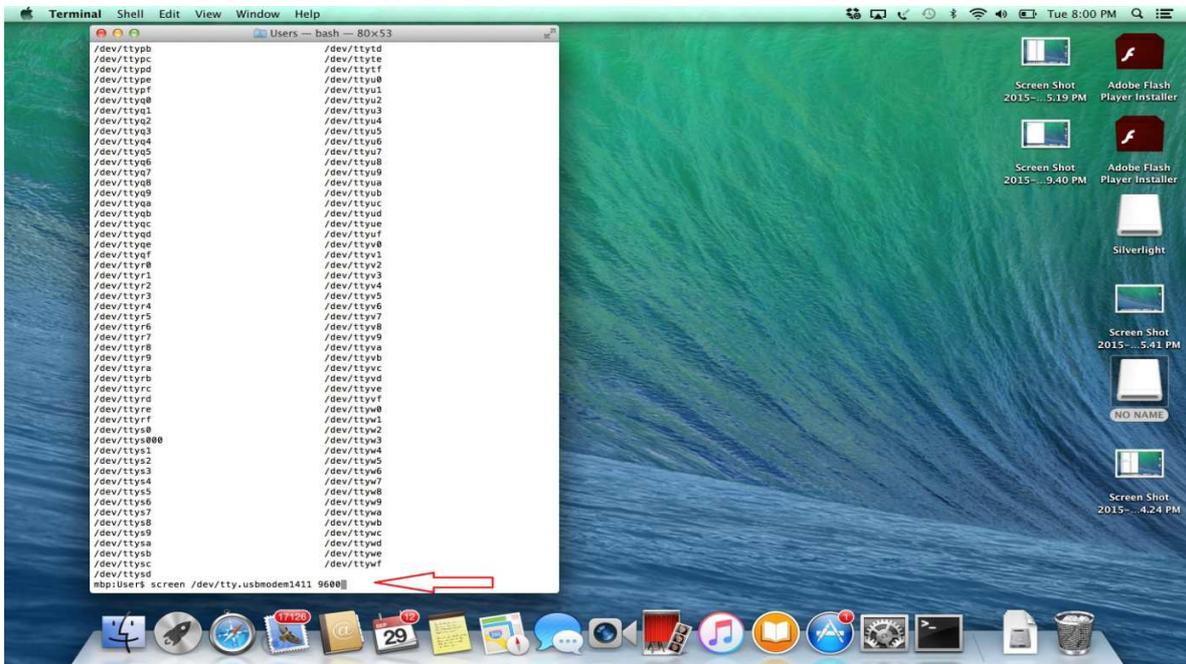
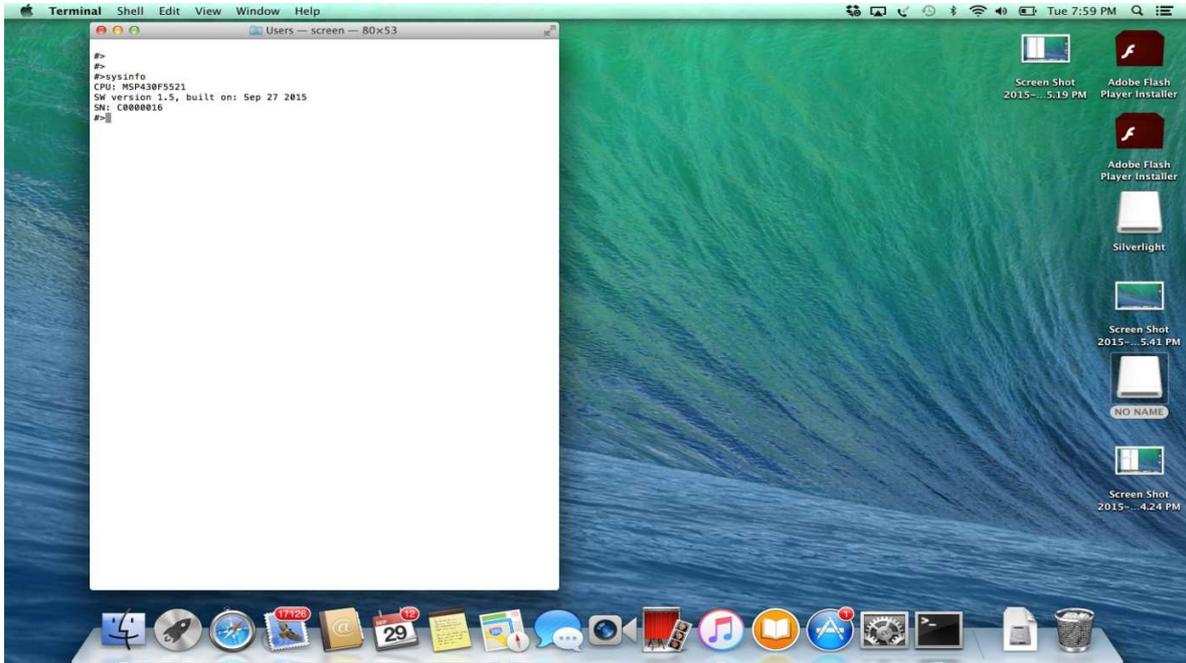


Figure 1. Apple OS launching screen application

- At this point the Terminal will display the AdMore command prompt `#>` .Use AdMore CLI commands as in the next chapter to configure the device normally.



Apple OS – AdMore Light Bar command prompt

- To exit the AdMore command prompt and return to terminal press **CTRL-A K** and when prompted to kill application select “Y”
- When configuration is complete switch the ignition off.