



Installation Instructions for ICS Tuner using Mac (OS X)

Thank you for downloading the KO PROPO America ICS Tuner. The software is freeware and KO PROPO America cannot accept any responsibility for damages that may occur due to incorrect installation or settings. Proceed at your own risk. Using the ICS Tuner software will require the use of the KO PROPO ICS USB adapter (#61018).

Download the software.

1. Download the ICS Tuner for Mac (ICSTuner_Mac.zip) to your computer and extract the file to your desktop.

Download the driver & install.

1. Download the Mac OS X driver from <http://www.ftdichip.com/Drivers/VCP.htm>
2. Open the installation instructions for the driver from http://www.ftdichip.com/Documents/AppNotes/AN_134_FTDI_Drivers_Installation_Guide_for_MAC_OS_X.pdf
3. Follow the directions to install the driver.

Updating your Mac for the driver

1. Open the applications folder.
 2. Open the Utilities folder.
 3. Open the Terminal icon.
 4. In the terminal window, type or copy and paste in the following commands as they appear below:
`cd Desktop/Mac`
 5. The next command line that we are going to write will update the driver's list of known devices to include the KO PROPO USB adapter. Copy and paste the following command line shown below into the terminal window and press return.
`sudo cp info.plist /System/Library/Extensions/FTDIUSBSerialDriver.kext/Contents`
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6. The following warning will appear in your terminal:

WARNING: Improper use of the sudo command could lead to data loss or the deletion of important system files. Please double-check your typing when using sudo. Type "man sudo" for more information.

To proceed, enter your password, or type Ctrl-C to abort.

Password:

7. Enter your password and press return.
8. Next, the uptime for the time stamp on the extensions directory will be changed. Copy and paste the following commands as it appears below into the terminal and press return:
`sudo touch /System/Library/Extensions/`
9. Next, the OS X cache will need to be cleaned so the plist changes will be seen by OS X. Copy and paste the following commands as it appears below into the terminal and press return:
`sudo rm -R /System/Library/Caches/*`
10. Reboot the computer.

Start the ICS Tuner program.

1. Click on the ISCTuner.dmg program that is inside the Mac folder that was extracted from the ICSTuner.tar and install the ICS Tuner software.
2. If Adobe Air 2 is not installed in the computer, it will ask to install this software.
3. Install the software in the applications folder or anywhere you would like.
4. Connect the KO PROPO USB adapter to the computer.
5. Select the Kondo USB adapter in the software.
6. Set the Mini-Z or dNano into program mode and enjoy.