Quick Start Guide

QUICK START

SYSTEM REQUIREMENTS
Windows compatible PC. Windows XP SP3. 1GB RAM. USB and Internet Access.

DOWNLOAD THE SOFTWARE FIRST
Download a copy of the latest software installer and drivers at KTuner.com/downloads

INSTALL THE DRIVERS
Extract the driver zip file. Plug your KTuner hardware in. If asked for drivers manually point to the unzipped driver folder.

INSTALL KTUNER
Run KTunerSetup.exe and install the KTuner software into the programs menu. A desktop icon will also be created.

LAUNCH KTUNER
With your KTuner hardware drivers installed you're ready to launch the software. If you already have an account use those credentials to login. You will need to register an account if you do not have one.

GET STARTED WITH THE KTUNER SOFTWARE!
Once KTuner is installed and logged in you can begin building your customized interface, datalogging, and reflashing your vehicle! Welcome to KTuner!

Welcome:

Thanks for choosing KTuner. This guide will help you understand how to install and get started with the KTuner hardware and software.
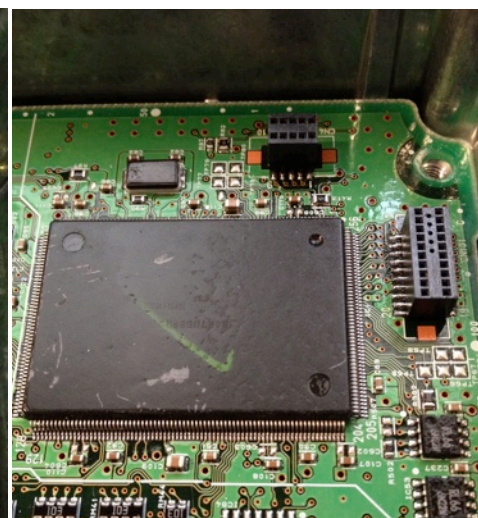
ECU preparation and KTuner hardware install:

You should have an ECU that has been properly prepared for the KTuner system. There are two surface mount headers that need to be installed inside of the ECU. This requires soldering skills and should not be attempted unless you have a lot of soldering experience. Our dealers offer ECU preparation services to get you up and running.

Factory ECU   Prepared ECU

The unit is then plugged in to the two headers as shown to the right. You should use the supplied spacers and screws to properly hold your KTuner board in place. Do not over-tighten.

Once you power the ECU or plug the unit in via USB you'll see the LEDs light up and provide status information. See the status table on the next page.

No Communication can be caused by improper header installation, the ECU not being powered, or bad connection with the KTuner board.

ECU Powered w/ Factory Software means a KTuner codebase has not been uploaded yet, but the unit is able to communicate with the ECU.

The other statuses occur during normal operation with a KTuner codebase loaded.

LED Status	No ECU Communication (No ECU Power)	ECU Powered w/ Factory Software	ECU Powered w/ KTuner Software	During Reflash Or Download
Red (1)	Steady	Blinking Slowly	Off	On
Orange (2)	Off	Off	On During Data Transfers	On While Data Is Transferring
Green (3)	Off	Off	Blinking Fast	Off
Green (4)	Blinking Slowly	Blinking Slowly	Fast If Datalogging Slow If Not	Blinking Slowly

Above is a table showing how the LEDs should act during usage.

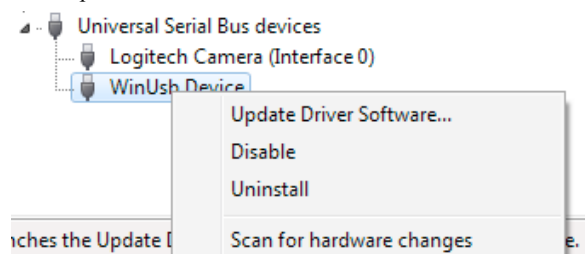**Driver And Software Installation:**

You'll find the drivers and software installer in the downloads section of the website. www.KTuner.com/downloads

Drivers:
- Plug your KTuner device into your computer's USB port. Some installations of Windows will not require a driver, so if it says device installed successfully you do not need to do anything further in order to start using the software.
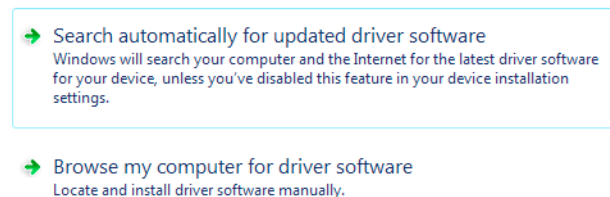- Mac OS X requires no drivers to be installed.

If Windows prompts you that a driver is required simply download the driver zip file from the website and unzip it to the desktop or C: drive. If Windows has already prompted you to select a driver skip to part 2.

1. Open Device Manager in the System Control Panel. Find WinUsb Device or KTuner in the Universal Serial Bus Devices section. Choose Update Driver Software.

2. When asked how you'd like to search for a driver choose browse my computer for driver software.

3. Click Browse to locate the unzipped driver folder and then hit Next. It should tell you the driver was successfully installed. If not, visit the support forum on our website for additional support.
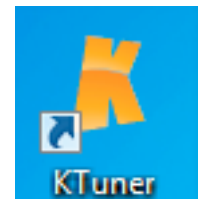
Software Installation And Setup:

You should have found the software installer on the downloads page you were linked to earlier in this guide. Double click the installer and go through the steps until the end. Once installation is successful you should have a KTuner folder in the Programs Folder and a KTuner icon on the desktop. To get started follow these steps.

- Make sure your KTuner device is plugged in.
- Double click the KTuner icon to launch the software.
- You'll be prompted with the end user license agreement. Once you accept the software will open to the login page.
- If allowed, register your email, name, and password. If it will not allow you to register please contact KTuner to setup your account directly.
- Once you have a login and password, enter those details and hit update. It will alert you that your account has been successfully updated and when you press close the main layout window will open.
- Once you have the software opened to the layout window you'll see a list on the left that gives you quick access to layout tabs and parameters.
- The lower left hand status box will give you the connection status including the percentage of completion during a reflash.
- After connecting you'll be asked to register the unit and lock the unit to the ECU. Once you do this you can upload and begin to manipulate the tune or parameter settings.
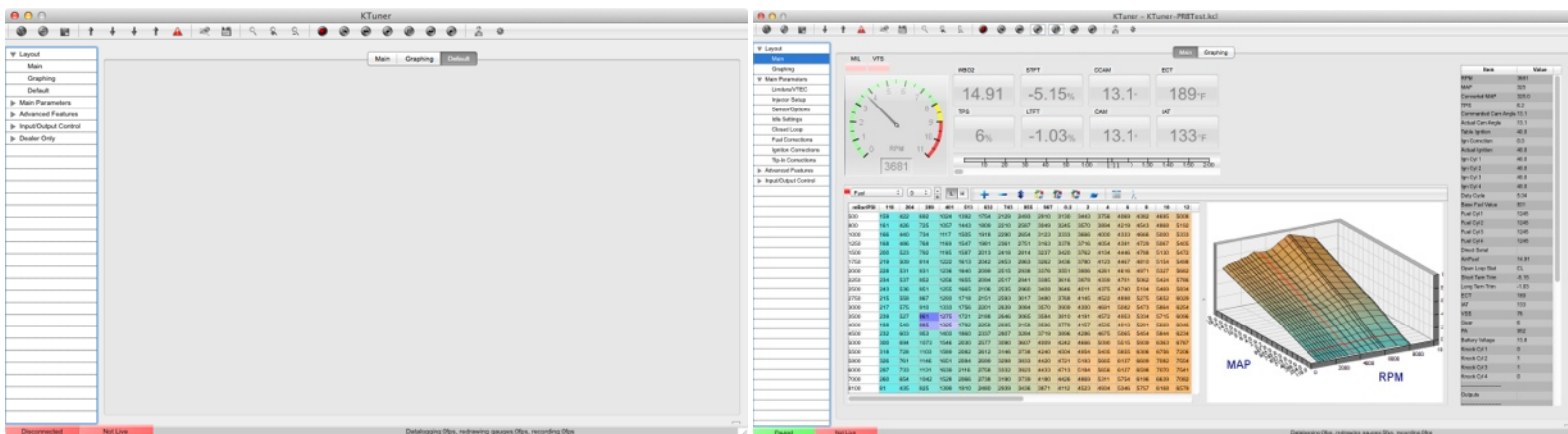
Locking to an ECU:
Upon connecting to an ECU with an unregistered KTuner unit you will be asked to add the unit to the system. You must be on the internet to register the unit and also lock the unit to the ECU. Once you've registered the KTuner unit it will then prompt you to lock to the ECU. Say yes. This can be unlocked in the event you are going to sell your KTuner unit by reverting to stock and going through the unlock process.

Designing a layout:
The KTuner software has a tab based layout which can be configured to the layout you desire. You can even have multiple tables on one single tab.
- **Right clicking** allows you to add gauges, lights, tables, and other available items quickly to a tab.
- Right clicking on gauges will allow you to set item types or remove items.
- Dragging an item will allow you to place it anywhere on the tab.
- Holding shift and dragging a resizable item will resize it. When resizing a table make sure you're clicking an area that is outside of the table and graph.
- You can add additional tabs or remove existing tabs by right clicking the list on the left hand side in the layout area.

Once you have your layout designed you can datalog by simply connecting and the gauges, tables, and other data items will be updated in real-time.

Recording Data:
Recording data is easy. Simply hit the record button on the toolbar while logging. The status on the lower left will say "Recording" while you're recording. Once you're done recording hit the record button again. The data can then be reviewed on a graph you've added. You can start and stop playing by hitting the play button on the toolbar. You can live scrub on any of the logging graphs you've added or move around via the arrows on the toolbar. To save the recording find the Save Datalog icon (Disk) on the toolbar. In order to open and replay a saved datalog use the Load Datalog icon to the left of the Save Datalog Icon.

Downloading and Uploading a tune:

Downloading from the ECU (Down arrow) and Uploading to the ECU (Up arrow) are very simple processes. You'll find these icons on the toolbar.
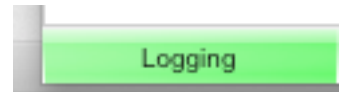
Downloads. When you press the down arrow to download a copy of the tune that's currently on the ECU will open. This will only happen if it has previously been reflashed with a KTuner codebase. If it's factory it may not open, depending on the version. During the download process the status portion of the bottom bar will turn into a progress bar letting you know the percentage of completion.
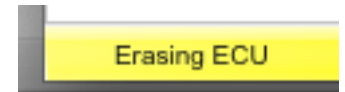
Uploading a modified tune. If you have downloaded your current tune, opened a tune file, or selected a basemap from the list of basemaps when you select the "New" option from the File menu you're ready to make changes. After you make changes to your file it's recommended you save a copy either by selecting "Save" or "Save As" from the File menu.

When you're ready to upload make sure the engine is not running and the key is turned on.

Make sure the status in the status bar says "**Connected**" or "**Logging**".

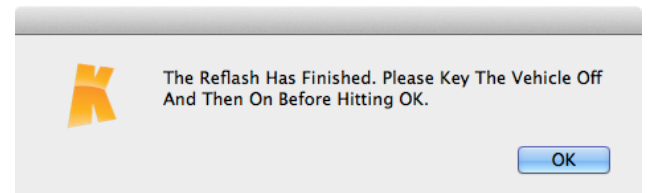**Initiate Upload**. Press the Up Arrow in the toolbar to initiate your upload.

Erase ECU. You should see the status bar update to say "Erasing ECU".

Reflash Progress. After a successful erasure the status bar will become a progress bar letting you know what percentage of completion your reflash is currently at.
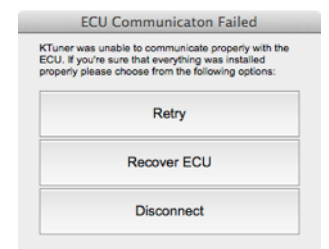
Reflash Complete. Once the reflash is complete a popup will appear asking you to key off and key on before hitting OK. This is to cycle the ECU after the new tune has been uploaded.

Success! If you've seen this message you should be able to start the vehicle.

Reflash Failure. In the event of a failure, where a reflash fails, laptop dies, or other scenarios, and the ECU is left in an unusable state you can recover the ECU at any time. Unplug USB from the KTuner device and place the vehicle key into the off position. Key on and plug in USB again. You'll find this Communication Error window appears in the KTuner software. Choose the recovery option to upload factory software back on to the ECU. It will go through the reflash process shown above and when it finishes you'll be able to connect to the ECU again if there are no issues with installation. If you feel this window has popped up in error and a reflash didn't fail it may be due to communication issues between the KTuner hardware and ECU. If this is the case please make sure your key is in the on position and hit the Retry button to attempt to communicate again.

That's all for this quick start guide. Please look out for some tutorial videos and ask any questions on the www.KTuner.com support forum.