EFILive AutoCal Customer Quick Start Guide

Andrew Jensen

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Introduction

Traditionally for a customer to receive a mail order tune their ECM needed to be shipped to and from the tuner, or done on an exchange basis.

EFILive's AutoCal device does away with this requirement, allowing customers to read and flash their vehicle locally with the AutoCal device, which has been preloaded with one or more calibrations provide by a workshop, professional tuner or hard parts provider.

AutoCal Package Contents

The contents of your AutoCal product may vary due to be supplied directly from your tuner or parts supplier. At a minimum your AutoCal will be shipped with:

- EFILive AutoCal hardware device.
- EFILive OBDII cable (J1962-A to RJ45).
- EFILive USB cable (USB-A to USB-B).

Registering AutoCal

Your AutoCal product must be registered to activate the product warranty. Product registration and warranty information can be entered on the EFILive website directly by visiting the link below.

Warranty & Product Registration: http://www.efilive.com/product_registration.html

Installing the EFILive Software

In order to copy files to and from your AutoCal device and your computer (covered in a later section) the EFILive version 8 software must be installed. The installation of the software also provides the device drivers (see below) for your AutoCal device.

EFILive software downloads: http://www.efilive.com/downloads.html

Drivers

The drivers necessary for your AutoCal device should be installed automatically as part of the software installation.

If issues are experienced with driver installation please see the article named 'Loading FlashScan & AutoCal Drivers' at the EFILive Knowledgebase by visiting the link below

EFILive Knowledgebase: http://support.efilive.com/kb.php

Connecting AutoCal

WARNING

The RJ45 connection used on the OBDII cable (B) is the same as used on a standard computer network cable. Never connect the OBDII cable to your computer's network socket, or a network cable to your EFILive device. Damage will almost certainly occur to either your computer or EFILive device.

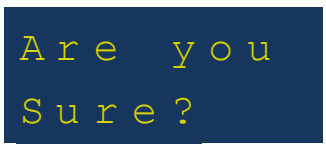
Using AutoCal

The following instructions describe the functionality and use of your AutoCal device. The menu structure and entries are based on the Simple Menu structure as this is the default and recommend mode for most customers.

Licensing a Controller

The first time a flash is performed to a new controller (using the *Prog 1* thru *Prog 5* AutoCal menu options shown below) it must be allocated an available VIN license). To perform the allocation you will be presented with a question on the AutoCal

Press the *Ok* button on the AutoCal keypad to confirm you wish to license the controller to the AutoCal device.



This is a final confirmation you wish to allocate the license. Pressing the *Ok* button on the AutoCal keypad performs the license allocation.

Simple Menu Structure

Each consecutive option shown is accessed by pressing the ***Next (Down Arrow)*** button on your AutoCal keypad. The ***Ok*** button is used to select/execute each the current selection.

Display DTC codes present on connected (and supported) engine and transmission controllers.

Log vehicle data (PIDs) that your tuner may use to apply modifications to the tunes provided.

Read the calibration from the first configured controller type. Typically this will be done to read your stock vehicle calibration.

Read the calibration from the second configured controller type. Typically this will be done to read your stock vehicle calibration.

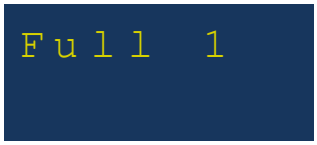
Program the first supplied vehicle calibration into your vehicles engine or transmission controller.

Program the second supplied vehicle calibration into your vehicles engine or transmission controller.

Program the third supplied vehicle calibration into your vehicles engine or transmission controller.

Program the forth supplied vehicle calibration into your vehicles engine or transmission controller.

Program the fifth supplied vehicle calibration into your vehicles engine or transmission controller.

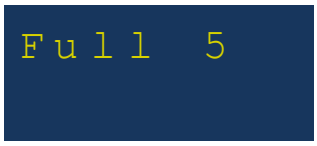


Program the first supplied vehicle operating system and calibration (full-flash) into your vehicles engine or transmission controller.

Program the second supplied vehicle operating system and calibration (full-flash) into your vehicles engine or transmission controller.

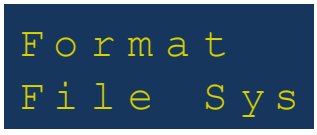
Program the third supplied vehicle operating system and calibration (full-flash) into your vehicles engine or transmission controller.

Program the forth supplied vehicle operating system and calibration (full-flash) into your vehicles engine or transmission controller.



Program the fifth supplied vehicle operating system and calibration (full-flash) into your vehicles engine or transmission controller.

Save a trace (debug) file which can be provided to your tuner to identify an issue you may experience with reading, programming or logging data from a vehicle controller.

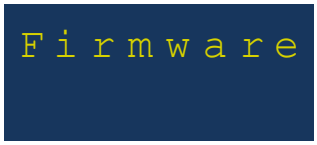


Format the internal flash memory filesystem.

Note: Performing this operation will permanently remove all configuration, calibration and log data on the AutoCal device. Ensure you have a backup (see the 'Copying Data to/from AutoCal' section) of your device before performing this operation.

Displays the serial number of your AutoCal device.

Displays the license number of your AutoCal device.



Displays the firmware version of your AutoCal device.

Displays the bootblock version of your AutoCal device.

Copying Data to/from AutoCal

Files can be copied to and from your AutoCal device using the *EFILive Explorer* application (installed in a previous section).

Copying data will be required for the following operations:

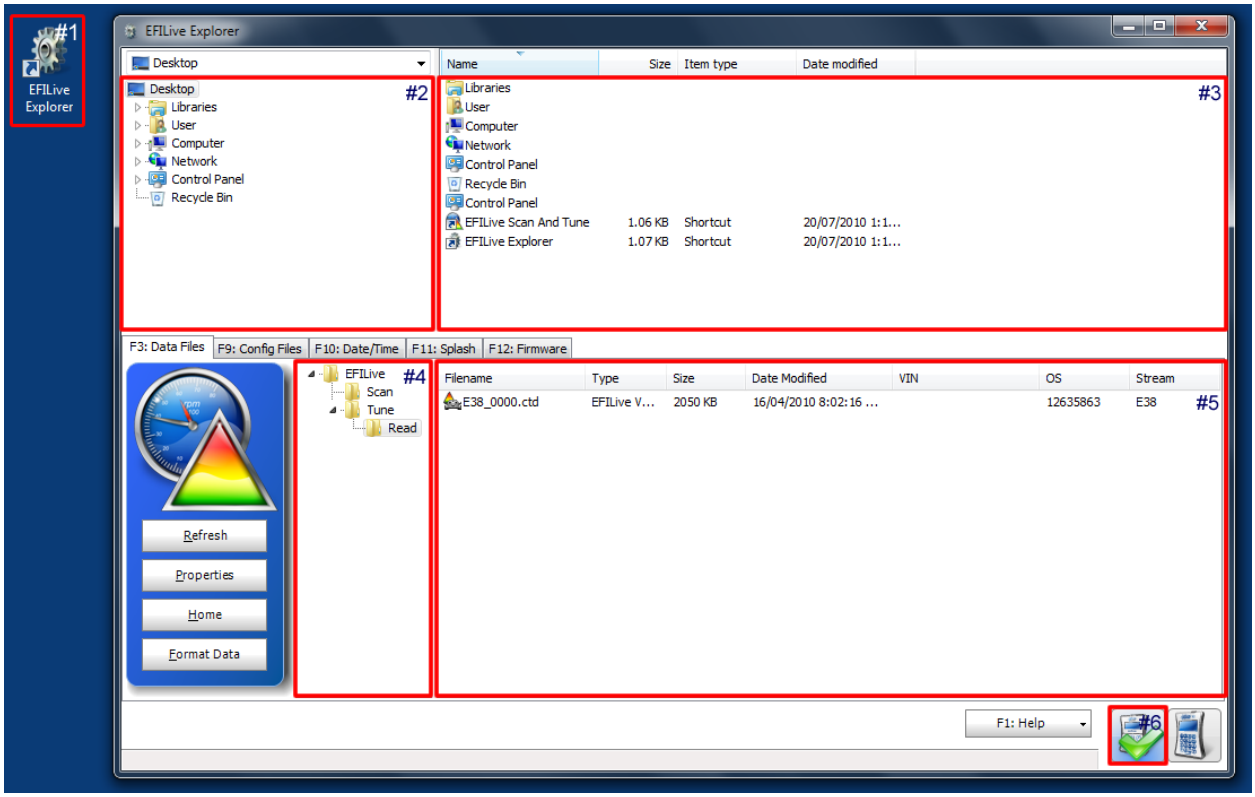
- Supplying your tuner with your stock/current vehicle calibration(s).
- Receiving modified vehicle calibration(s) from your tuner to be programmed into your vehicle.
- Creating a backup copy of your AutoCal device contents.

Using EFILive Explorer

The *EFILive Explorer* application is used to copy files to and from your AutoCal device.

Generally the file *Copy*, *Move*, *Rename* and *Delete* operations function similarly to the Windows Explorer functions you are familiar with on your Windows computer operating system.

The screenshot below indicates the key areas and some basic operations of the *EFILive Explorer* application:



- #1: Desktop shortcut; double click on the *EFILive Explorer* desktop shortcut to open the application.
- #2: Computer folder list; folders present on your computer (resembling Windows Explorer).
- #3: Computer file list; listing of files in the currently selected folder of the #2 pane.
- #4: AutoCal folder list; folders present on the internal flash memory of your AutoCal device. This folder structure is described further in the next section.
- #5: AutoCal file list; listing of files in the currently selected folder of the #4 pane. The example shown is indicative of what would be shown if you had read your stock E38 engine controller to send to your tuner.
- #6: AutoCal connection status; the green tick indicates that your AutoCal device is connected and recognised by the *EFILive Explorer* application. If your AutoCal device was not connected before starting *EFILive Explorer* click on the AutoCal icon to connect *EFILive Explorer* to your device.

AutoCal Folder Structure

The AutoCal flash memory folder structure (shown in the previous screenshot as #3) is designed to accommodate different groups of files. The menu options you select on your AutoCal keypad will reference files in these specific folder locations.

The function of each folder is described below:

Folder	Purpose
EFILive	Root level folder; this folder does not contain any files.
Scan	Contains files created by the *Record Data* operation. Files in this folder will typically be provided to your tuner to refine your calibrations.
Tune	Contains calibration files which can be programmed with the *Prog 1* to *Prog 5* operations. This is where calibrations from your tuner must reside in order to be available to program your vehicle.
Read	Contains calibration files which you have read from your vehicle controller(s) with the *Read 1* to *Read 5* operations. This is where calibrations you will send to your tuner will reside.