



THUNDERMAX

EFI made simple.

Manually Sending a Monitor Log

SmartLink IV Tuning Manual Excerpt
SOFTWARE Version 2009.0.5 For
ThunderMax High Resolution ECM
For 2001-2009 Delphi®-Based Air Cooled Motorcycles
(Except 2008-09 Touring Models)
Manual V.20090528

The ThunderMax EFI controller is not legal for use or installation on motor vehicles operated on public highways in the State of California or other States where similar emission control laws may apply.

The user shall determine suitability of the product for his or her use. The user shall assume all risk and liability in violation of regulations and any incurred financial obligations due to vehicle inspections or emissions tests.

Email Technical Questions to:
ProductSupport@ZippersPerformance.com
www.Thunder-Max.com

Manually Sending a Monitor Log

1. Update your SmartLink software to the latest version by going to Configure > SmartLink Update. Internet connection is needed for this update.
2. Select Monitoring > Monitor Setup...
3. Verify that all boxes are checked
4. Link to your module and select READ Module Maps and Settings from the File menu. Learned Fuel Adjustments will be read automatically when using the latest software.
5. Select the **Monitor** button, which will turn from red to green **Monitor**.
6. From the Monitoring menu, select Monitor Logging. At this time the Monitor Logging session will begin, with or without the engine running.

The following window will appear when the Monitoring session has begun.



OPTIONAL: To check the Throttle Position Sensor function, twist the throttle wide open and then closed one time BEFORE starting the engine.

7. Once you are complete with your Monitor Logging session, select Stop Monitor Logging from the progress window to close the monitor session. The monitor log session is now complete.
8. Go to the Monitoring menu and un-check Monitor Logging

The location of the monitor log is important in order to manually submit your Monitor Log to Zipper's Product Support for review. Monitor Logs are stored in the "Monitor Logs" folder using a typical path such as below:

For Windows XP

C:\Documents and Settings\All Users\Shared Documents\Thunder Heart\SmartLinkIVZippers\MonitorLogs\WednesdayJuly012009114128.txt.

For Windows Vista & 7

C:\Users\Public\Public Documents\Thunder Heart\SmartLinkIVZippers\MonitorLogs\WednesdayJuly012009114128.txt.

This is the path you'll use to locate & attach **only the monitor log file ending in .txt** to your email. Send the Monitor Log file to:

productsupport@zipperperformance.com

When submitting a monitor log for review, please include the following:

1. **Year and Model bike, Engine size and modifications, stock or modified throttle body and injectors, exhaust system. Is this a new installation?**
2. The **Version Number** of your **SmartLink IV** software and the **Firmware version** in your module. To view the SmartLink IV version, select **Help > About SmartLink**. The module firmware version will also be displayed here when linked.
3. The **Monitor Log File, (.txt file only).**
4. The **Module Map File installed in your ThunderMax ECM**. You must read the map (and the "learned fuel adjustments" if not read automatically) then save the map from your ThunderMax ECM. Email the .slk map file with the Monitor Log File. Below is a brief guide to saving the map.

Save your map to a convenient location. From the **File** menu, select **Save As** and choose **Desktop** (for example) as the **Save In** location from the drop down menu. Name the map in the **File Name** line and click **Save**. Use the original file name letters and change the date code (last 6 numbers) to the current date for easy identification.