

Firmware Updates 2.1.2-1949/ Updating your DashDAQ

Be sure your stock file and tunes are backed up on your computer, and remove the "sd" card prior to updating your unit.

Here are the changes that were posted on the DashDAQ forum:

The update client has also been improved, so we suggest that you get the new version of the update client (2.0.11) before performing this firmware update.

new features in firmware 2.1.2-1949:

- Auto-powerdown with 6x CAN enabled
- DashDAQ-XL with SN 6000 or greater has more memory-space for drivers (requires update tool v2.0.11)
- Memory cards communications improved
- Zeitronix Log file format supported (log view can be downloaded here: <http://www.zeitronix.com/zdl/>)
- ChryslerSpecific supports tons of platforms (more than just LX)
- ChryslerSpecific has diagnostics to read codes, clear codes, and print info about modules on the car
- SubaruSpecific now reads more ECM-specific signals
- Ford and GM signal lists have been improved. Most sensors appear by default at level 0.
- FordSpecific now talks to battery control module and has new PIDs for the Escape Hybrid
- GMSpecific has new PIDs for diesel and hybrids
- MitsubishiSpecific added

ToyotaSpecific added
HyundaKiaSpecific added

Things will will notice over the previous version:

Ford Specific parameters size has been decreased from 419 to 315. It will still be able to read all Ford codes.

Your stock file will be copied from your Transfer Folder to the Stock Files Folder. If you have problem reloading your stock file after the update, try this. Delete the stock file from the Transfer Folder and the Stock Files Folder. Take the saved copy of your Stock file and copy it into each location. This should solve your problem.

After you perform the upgrade, you may need to click "Find Signals" on your DashDAQ and have it re-scan your car for signals.

"New Update Client Version 2.0.11"

Be sure to download the version compatible with your computer the 32, or 64 bit operating system. If you are not sure which system you have, follow these instructions:

Select the Start Menu on your computer. Next select Control Panel. Now select Classic View on the top left side of the page. Scroll down the page and select System. The System Type will be displayed on the top portion of the page. It will display 32, or 64-bit Operating System.

You can download the "Update Client" from the following link:

<http://www.dashdaq.com/support/downloads.htm>

Connect the USB cable to the single USB port on the left side of the DashDAQ. Windows Vista 32 bit & 64 bit operating systems will load the driver automatically when it detects your unit.

If the USB driver is installed properly, the DashDAQ screen will display "Boot halted. You may now attempt to recover."

From your computer desktop, double click the "DashDAQ Update Tool" icon.

From the "DashDAQ Update Client" screen, highlight the serial number, then click "Update Firmware".

From the "Select Upgrade Source" screen, click "Next".

From the "Choose Firmware Options" screen, go to the "" drop down menu & choose the firmware version to install. The latest is DashDAQ 2.1.2.1949.

Select the check box for each of the following components:

Acceleration Map

Analog Input

Analog Input (Nonlinear)

Dyno Calculator

Economy Calculator

Moates QuarterHorse

Rescale Signal Calculator

Statistic Calculator

AEM UEGO

Innovate LC-1

Ford Specific

Generic OBD2

Default

Metal

Night

Neon

Sport

Sport2

Warnings

Media Player (If you select this option, you must remove some of the free items. Your max download size cannot be much over 10 meg, otherwise you'll get an error that the file is too large.)

Be sure you selected every component check box listed above, then click "Next" & wait for the firmware package to download to your computer.

From the "Firmware Package Complete" screen, select "Next" to send the firmware upgrade to your DashDAQ.

WARNING: Once the uploading process to your DashDAQ starts, **DO NOT DISCONNECT OR INTERRUPT THE UPLOADING PROCESS**, otherwise the DashDAQ may need to be sent to Drew Tech for repairs.

Click "Finish" after the uploading process is complete.

Disconnect the cable.

Insert the SD card in to the DashDAQ.

Connect the DashDAQ to your vehicle.

Turn the ignition key to the "ON" position & then follow the procedures to set up Ford Parameters if it's needed.

SETTING UP FORD PARAMETERS:

From gauges, select "Exit", select "Setup", select "Devices", & then select "Manager".

You'll see:

- a- Generic ODB2
- b- Analog Input
- c- Analog Input
- d-
- e-
- etc....

Select "d-" & then select "Add Device".

Scroll right or left until you see "ECU", select "Ford Specific", & then select "Install".

From the "Port To Use" screen, select "J1962", then select "OK".

When you see "Device Added Successfully", select "OK".

From the "Device Manager Screen", select "Exit".

Select "Find Signals", then select "I Accept".

Turn the ignition key to the "ON" position & then select "OK". It should find 31 OBDII & 32 Ford Parameters. Then select "OK".

Select "Parameters". Scroll right or left until you see "ECU", select "Ford Specific". Now select "Complete Signal List" & then select "Change". Type in "7" & select "Save". Then select "Exit".

Select "Find Signals", then select "I Accept".

Turn the ignition key to the "ON" position & then select "OK". It should display "Scanning: Please Wait (really)". The DashDAQ should find 31 OBDII & 418 Ford Parameters.

You may have to scan a few times to get all of the signals...

Diagnostic Code Reader (DTC)

If your check engine light comes on, you can check your vehicles diagnosis of the problem. Once you have read the codes, you can clear them to turn the check engine light off. To view and clear diagnostic trouble codes: From the Gauges, select "Exit". Next select "Diagnostics".

Scroll right/left for Ford Specific, or Generic OBD2. Turn your key to the on position. Your vehicle does not need to be running. Select "Read Code". If your check engine light is on, the diagnostic trouble code/s will be displayed along with a short description of the code. (MIL Malfunction Indicator Light) To clear the diagnostic trouble codes, select "Clear Codes". You will be asked if you want to clear the codes. Select "Yes" if you would like to clear the codes & turn your check engine light off. Note: This does not solve any underlying vehicle issues. Select "No" if you do not want to clear the codes.

Low Power Mode/Power Unit Off

The DashDAQ has a low power mode built in as a power & time saving convenience. This mode can be activated from the small black button on the front left of the DashDAQ. Low power mode keeps you from having to wait for the DashDAQ to start up. It has three functions: Press and release this button quickly while the DashDAQ is on. The screen will go off, & the unit will put in sleep mode. Press the button again & the DashDAQ will instantly come back on. Press & hold the small black button for 3 seconds & the unit will turn off. Press again to power the DashDAQ back on. Also now there is a Off Button on the Main Menu where it shows Gauges, Data Logging, Diagnostic, Performance, Setup, GPS (if you have purchased it), and Tuning.

Assign a Signal to a Gauge

Specifying what signal you would like a gauge to display. To assign a signal to a gauge, select a gauge screen. Tap on the gauge where you would like a signal to display. Then select "Signal". Notice the [] buttons at the top of the screen. These allow to switch which DashDAQ input you would like to use such as Ford Specific, Generic, etc.. OBDII is the default. Pick which signal you would like to monitor and tap Save.

Set Gauge High/Low Warning

The High/Low Warning allows users to set the visual representation of "redline" on a gauge. For example: If the gauge has a maximum value of 6,000 and you set a High Warning of 5,000, the gauge will visually represent a "danger zone" on the gauge. To set a High/Low Warning: Tap on the gauge that a High/Low Warning is to be set. At the Assign Signal screen, tap on Low Limit, Low Warning, High Limit, or High Warning. Tap the numbers to enter the desired value. Tap [+/-] to make the value negative. Tap Save. Tap Save at the Assign Signal screen to go back to the gauges.

Setting Signal/Graph Colors

The DashDAQ allows users to assign different colors to the signals assigned to a particular gauge. The signal will be displayed in the color chosen. To change the color values: Tap on a signal box. Now tap on the Painters Palette. Tap on the color you wish to select. Tap Save. Tap Save in the Set Gauge Properties window to return to the gauges.

Loading Sound Files From Gauges, select "Exit". Then select "Setup". Next select "Memory Card", then select "Install". Now select the sound file you wish to load on to the DashDAQ. If you have more than one to load, go ahead and do them all at this time.

Audible Alerts

Tap on the Gauge that you wish to setup. Next select the "Sound Icon". Then select "Sound". Now scroll and find the sound you wish to use, then select "Ok". To test the sound, select "Play". Now select "Repeat Rate". Then enter the Repeat Rate you wish (2 sec), then select "Save". Next, select "State". There are only two options, Enabled, or Muted. Then click "Save".

Loading Config File

From Gauges select "Exit". Then select "Setup". Now select "Memory Card". Next select "Install", and then select "Config File". Now highlight your Config File, and select "Ok". It will bring up Overwrite Existing File, select "Yes", no, or Cancel.

Change Splash Screen

From Gauges, select "Exit". Then select "Setup". Now select "Display". Next select "Splash Screen", and select the one you wish to display and click "Ok".

Loading Splash Screen

From Gauges, select "Exit". Then select "Setup". Next select "Memory Card", then select "Install". Select "Splash Screen", then the screen you wish to load.

Global Data Logging From Gauges, select "Exit". Then select "Data Logging", next select "Signals". Now select "Add". Then select the signal you wish to monitor, and select "Save". This adds the ability to log 16 more parameters than anything currently on the gauge screen you are logging.

Change Dashboard Themes (Different Gauges)

From Gauges, select "Exit". Then select "Setup". Now select "Display". Next select "Theme", and select the theme you wish to display. Then select "Ok". NOTE: Make sure you change the high warning colors on all gauges to a color that you will be able to see if you do reach the high warning limits that you have selected.

Loading New Themes That You Made Or Downloaded

First copy it to the transfer folder on your sd card. Insert the sd card into the DashDAQ. From Gauges click "Exit". Then select "Setup". Now select "Memory Card". Next select "Install", & now select "Themes". Select the Theme you want to install. (See Change Dashboard Theme

Above)

Save Config File

After you have all your gauges set the way you like be sure to backup your Config File. From Gauges "Exit". Then select "Setup". Now select "Memory Card". Then select "Backup". Next select "Config File". It will bring up Backup Config File, select "Yes", or No.

Auto Power Off From Gauges, select "Exit", then select "Setup". Now select "Power". Select the Auto Power Off time that you want to use, and select "Ok". The auto-off watches for a lack of OBD2 communication (indicating the the vehicle must have turned off). So it wouldn't turn off while the engine is running, only when the vehicle is off.

Gauge Limits

EGRTA – Pre Turbo EGT

High Limit 2000

High Warning 1600

EOT – Engine Oil Temp

High Limit 300

High Warning 230

ECT – Engine Coolant Temp

High Limit 275

High Warning 225

FRP – Fuel Rail Pressure

High Limit 30000

High Warning 27500

Low Warning 4500

FRT – Fuel Rail Temp

High Limit 200

High Warning 140

TFT – Transmission Fluid Temp

High Limit 275

High Warning 220

MGP – Manifold Gauge Pressure

High Limit 50

High Warning 45

EFT1 - Engine Fuel Rail Temp

High Warning 160

High Limit 140