TD2 TRAIL DASH

USER MANUAL

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Read Me

Safety Warning and Caution

Throughout this User Manual you will see important messages regarding your safety or the protection of your vehicle. These messages are designated by the words WARNING or CAUTION.

⚠ ***WARNING indicates a condition that may cause serious injury or death to you, your passengers or others nearby. Pay careful attention to these Warning messages, and always comply with them. They could save a life.***

CAUTION indicates a condition that could cause damage to your vehicle. It is important to install and operate your product in conformance with instructions in this Manual. Caution alerts you to particularly important things that will keep your vehicle operating properly.

The product you have purchased is a high-performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read the following safety information and the Owner Agreement.

NOTE: After the display has been installed, a warning screen will appear (3) different times.

⚠ ***WARNING: Misuse of this device could lead to a serious accident. Do not use to break legal speed limits. Before installing, read and comply with all information in the User Guide. Do you agree?***

If you agree with the agreement, select Yes to continue.

Safety Guidelines

1. Do not exceed legal speed limits on public roadways. Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Loss of control from speeding on a public road could seriously injure you, your passengers, or others on the roadway.

2. Do not operate the device while driving. Perform all adjustments or changes while stopped. Changing a setting while under way can interfere with your attention to roadway conditions.

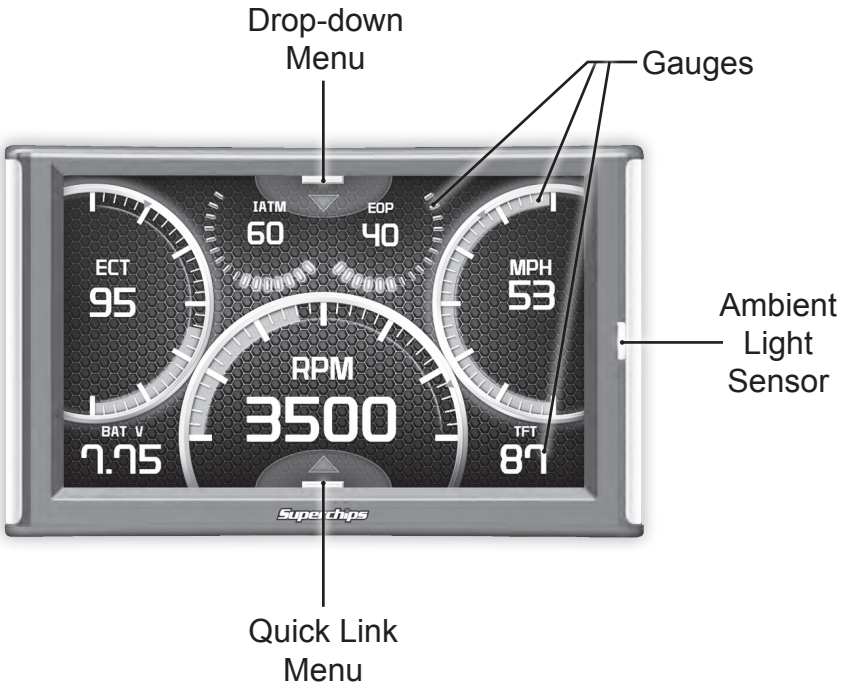
3. "Stacking" performance-enhancing devices or other improper installation can cause power train failure on the road. Other products may have features incompatible with your Superchips device. Follow all installation and operating instructions, and do not stack products.

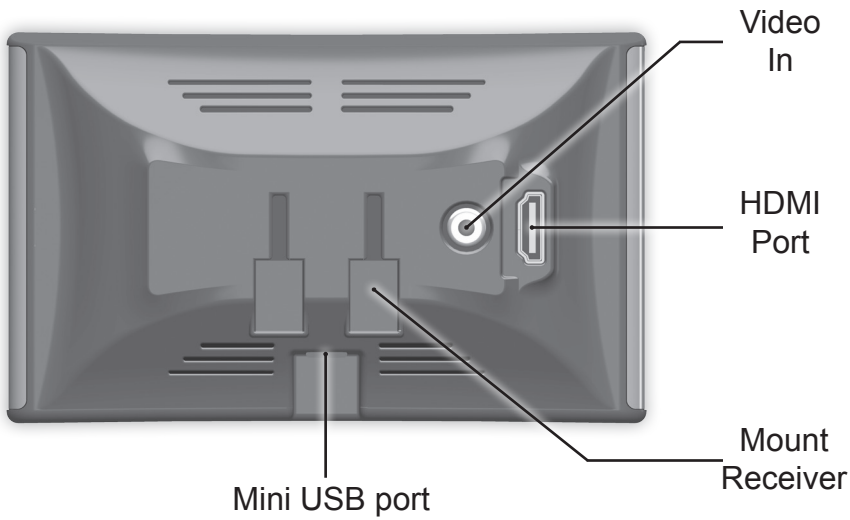
4. Some modifications may affect other parts of your vehicle. For example, if you remove/adjust the speed limiter in your vehicle, be sure your tires and other components are rated for the increased speeds they will have to withstand. Not doing so can lead to loss of vehicle control. Modify the speed limiter only for use in closed circuit, legally sanctioned racing environments, not for use on public roadways.

⚠ ***WARNING - Misapplication or misuse of this product could lead to a serious or fatal accident. Comply with all safety information in this manual, and your vehicle owner's manual. Follow safety, installation and operating instructions in this User Manual to assure proper use.***

At a Glance

Physical Overview - The Display



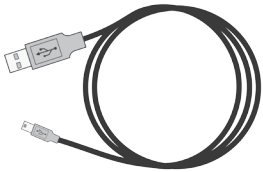


Accessories

Windshield Mount

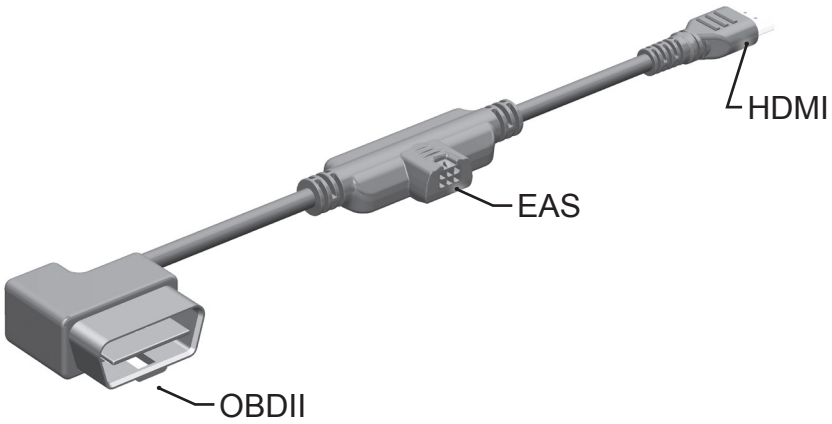
Alcohol Wipe

Mini USB Cable



Zip-Ties

OBDII to HDMI cable



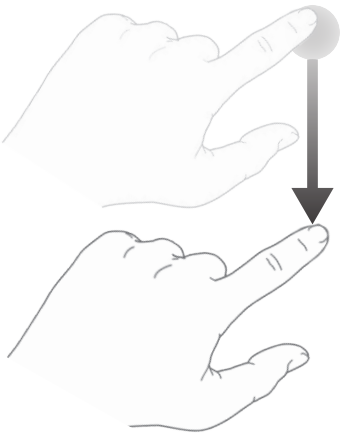
Touch Screen Gestures

Use these gestures to navigate and control the display.

Press

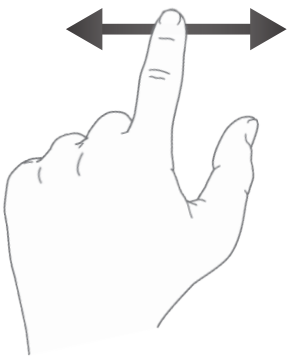
The Press gesture is used to select options, input values, enter menus, etc.

Hold & Drag



The Hold & Drag gesture is used to drag up or down menus, and scroll through menu items.

Swipe



The Swipe gesture is used to scroll through gauge screens.

Menu Icons

Icon		What it does
	Home	Brings you back to the home screen
	Background	Changes the background Image
	Custom Color	Opens the custom color picking menu
	Default Color	Opens the default color picking menu
	Back	Brings you back to the previous screen or menu

Common Terms

Term	What it is
PID - Parameter IDs	Data taken from a vehicle & viewed in a gauge
EAS - Expandable Accessory System	Allows you to connect aftermarket sensors and other devices such as turbo timers
ECM - Engine Control Module	(aka ECU) A computer that controls various sensors and engine components
TCM - Transmission Control Module	(aka TCU) A computer that controls automatic transmissions
PCM - Power Control Module	(aka PCU) Combines and provides power for the ECM and TCM

Getting Started

Download the Fusion Update Software

A computer with internet access is required:
STEP 1 - Go to **www.superchips.com**
STEP 2 - Click the **UPDATES** tab, then **DOWNLOAD** Fusion.
STEP 3 - Open the **FusionClientSetup.exe** file, then click **Run**.
STEP 4 - Click **Next** to begin.
STEP 5 - Choose a folder location, then click **Next** to continue.
STEP 6 - Click **Next** to confirm the installation.
STEP 7 - Click the **OK** button if during the installation, the following message appears:

"These drivers are not Windows Logo or WHQL verified. If you are asked, please choose to install them anyway."

STEP 8 - Click **Close** to exit once the installation is complete.
STEP 9 - Double click the **Fusion Icon** on your desktop.
STEP 10 - Click on the **Create a New User** option.
STEP 11 - Fill in the required information and click **Save**.

An e-mail containing your fusion password will be sent to the e-mail you used in the form. Use this password to login into Fusion. (NOTE: The password is case sensitive)

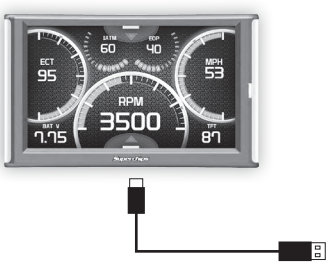
STEP 12 - Double click the **Fusion Icon** on your desktop.
STEP 13 - Plug the display into the computer using the USB cable.
STEP 14 - *If asked, choose* **"Yes, this time only"***, then click* **Next***.*
STEP 15 - *Select* **Install the software automatically** *then* **Next***.*
STEP 16 - If you're asked to "Continue Anyway" or "STOP installation" click **Continue Anyway** then click **Next** to complete the hardware wizard.

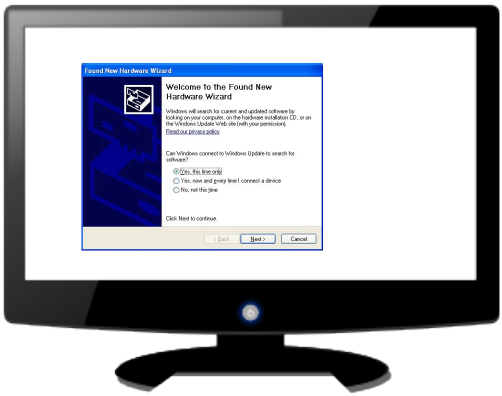
Using the Fusion Update Software

A computer with internet access is required:

STEP 1 - Double click the **Fusion Icon** on your desktop.

STEP 2 - When asked, plug the display into the computer using the supplied USB cable.





STEP 3a - If an update is available, click **YES** to continue.

DO NOT unplug the display from the computer during an update.

STEP 3b - If an update is not available, click the **OK** button.

STEP 4 - Once the update is complete, click **Close.**

Cable Installation

STEP 1 - Locate the On Board Diagnostics II (OBDII) port. *(This connector is typically found directly below the driver side dash console.)*

STEP 2 - Plug the OBDII connector into the vehicle port.

STEP 3 - Route the HDMI end up the driver side dash. *(On most vehicles, the side panel may be removed to expose the underside of the dash for easier routing. Leave exposed until after the display is installed.)*

Windshield Mount Installation

STEP 1 - Use the Alcohol Wipe to liberally clean the windshield in the area you plan to place the suction cup. Allow the glass to fully dry.

STEP 2 - Firmly press and hold the suction mount against the glass.

STEP 3 - Rotate the Cam Lever towards the glass to create the suction.

Installing the Display

STEP 1 - Plug the HDMI connector into the HDMI receptacle located on the back side of the display.

STEP 2 - Align the Dual Tabs on the Mount with the mount receiver on the back side of the display, then slide it into place.

STEP 3 - Adjust the viewing angle using the adjustment nut on the mount's swivel head.

STEP 4 - Pull any extra cable back behind the pillar and dash. (Re-install any panels removed during the Cable Installation.)

Display Setup

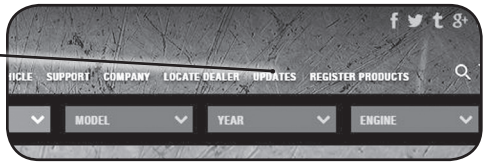
Download and Install MyStyle Software

MyStyle is software that allows you to customize your display background image and manage your EAS devices.

A computer with internet access is required:

STEP 1 - Go to **www.superchips.com**

STEP 2 - Click the **UPDATES** tab, then Mystyle **DOWNLOAD**.



STEP 3 - Open the **MyStyleSetup.exe** file, then click **Run**.

STEP 4 - Click **Next** to begin.

STEP 5 - Choose a folder location, then click **Next** to continue.

STEP 6 - Click **Next** to confirm the installation.

STEP 7 - Click the **OK** button if during the installation, the following message appears:

"These drivers are not Windows Logo or WHQL verified. If you are asked, please choose to install them anyway."

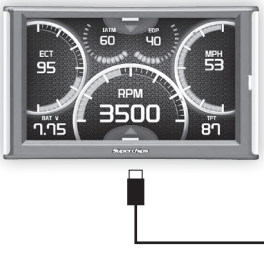
STEP 8 - Click **Close** to exit once the installation is complete.

Adding Custom Background Images

This section describes how to add personalized photos or pictures to your display using a computer.

STEP 1 - Double-click the MyStyle icon on your desktop.

STEP 2 - Connect the display using the supplied USB cable.
When a display is plugged in, an image of the display will appear with a 9 digit number.



STEP 3 - Click the image of your display.

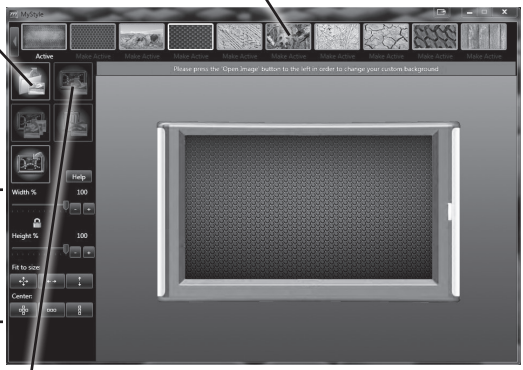
STEP 4 - Choose to Customize the Display.

STEP 5 - Select an Image to replace.

STEP 6 - Select the Open Image button.

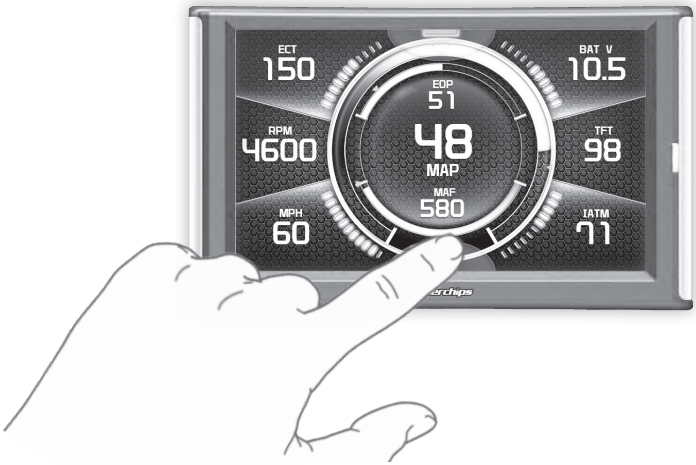
STEP 7 - Use the available tools to size and align your image.

STEP 8 - Click the Save Background button to save your progress. This will also save the new background image to you display.



Entering the Quick Link Menu

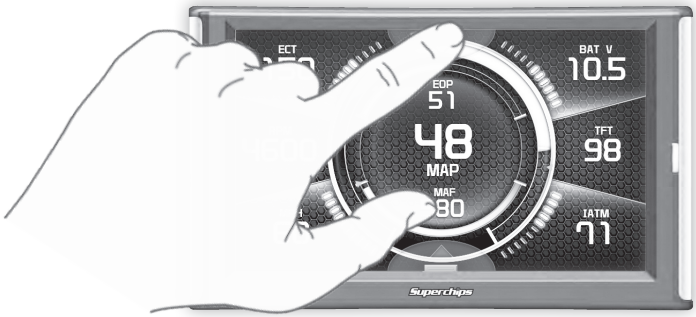
STEP 1 - Press the lower menu tab to enter the Quick Link Menu.



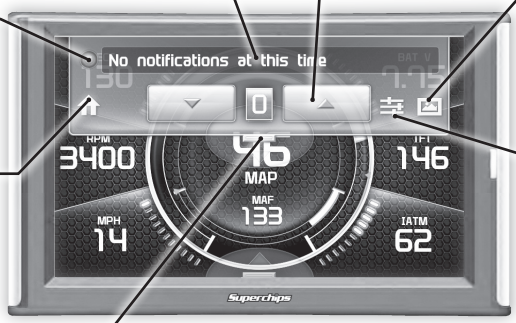
STEP 2 - The Main Menu will appear. Choose a menu option, and Press the Icon to enter that feature menu. (Note: Each feature menu option is shown in detail later in this manual)

Entering the Pull Down Menu

STEP 1 - Press the upper menu tab to enter the Pull Down Menu.



The following screen will appear:



If notifications are active they will be listed here. If multiple notifications are active at one time they will alternate every few seconds.

These buttons toggle the power level which is displayed between the two.

Change Background Image

Light Indicator

Return to Home Screen

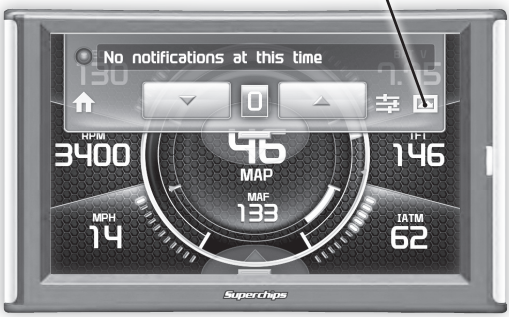
Adjust Background Color & Opacity

When the Drop Down menu is closed, this tab alerts you to any notifications that are available by changing color.

Changing the Default Background Image

STEP 1 - Enter the Pull Down Menu.

STEP 2 - Press the Background icon.

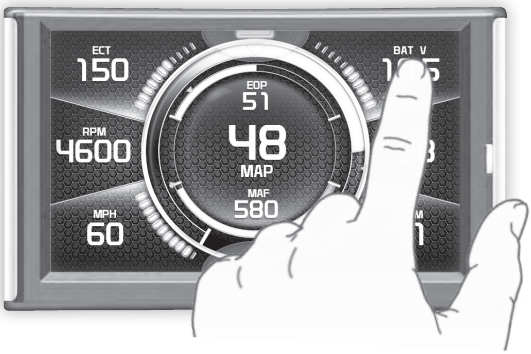


Each press of the icon will cycle through to the next image:

Refer to the "Adding Custom Background Images" section of this manual for information on how to add your own images to the display.

Individual Gauge Setup

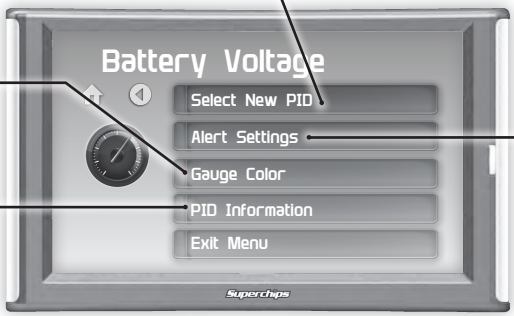
STEP 1 - Press any gauge.



STEP 2 - Select New PID

Some Analog gauges allow you to change its color

Describes the selected PID



Please Refer to Alert Options Section for more info

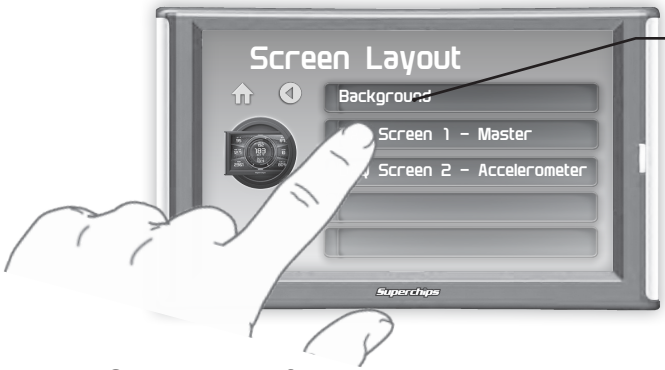
STEP 3 - Press the Up/Down arrows to locate a new PID. Select a new PID.

STEP 4 - Return Home. The new PID will be displayed on the gauge you selected.

Configuring the Home Screens

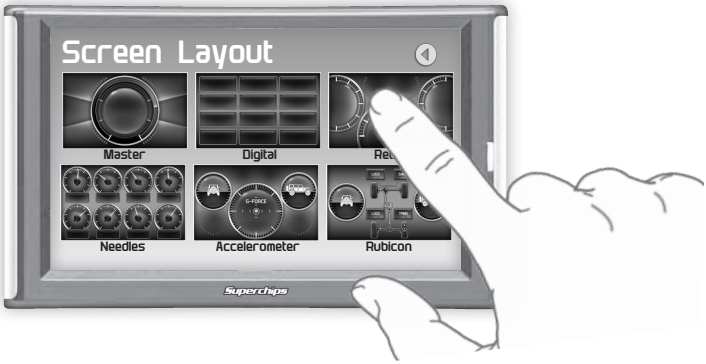
STEP 1 - Enter the Quick Link menu.
STEP 2 - Press the Screen Layout Icon

STEP 3 - Select the a DAQ screen option



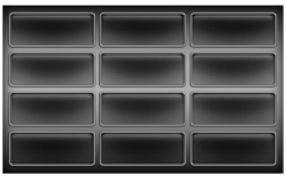
Press to select a default Background image

STEP 4 - Select one of the screen layout options



Master Gauge

Digital Gauges



Retro Gauge

Needle Gauges

Accelerometer Gauges

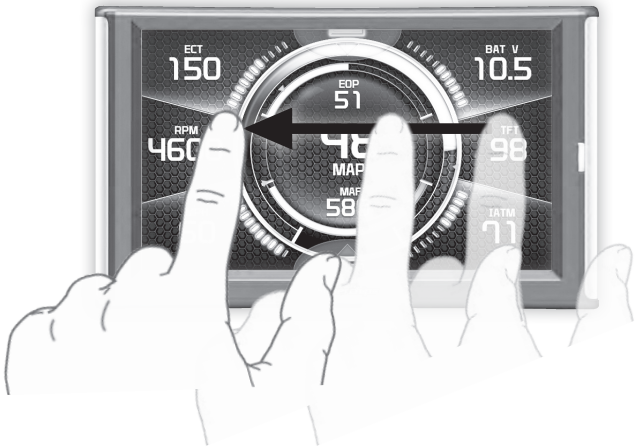
Rubicon Gauges

Switch Screen

The Switch Screen is an additional layout. Continue with steps 5 & 6 below until the Switch Gauges are shown.

STEP 5 - Return to the Home screen.

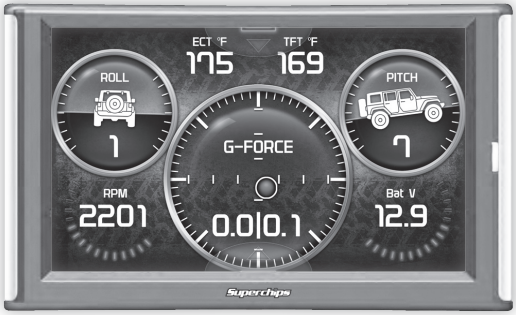
STEP 6 - Swipe horizontally to switch between your selected layouts.



Calibrating Pitch, Roll, & G-Force Gauges

Once the display has been installed, and is mounted in a semi-permanent position, the Pitch, Roll, & G-Force gauges will need to be calibrated.

STEP 1 - Refer to Configuring the Home Screen section in this manual. Assign the Accelerometer screen layout to one of the DAQ screens.

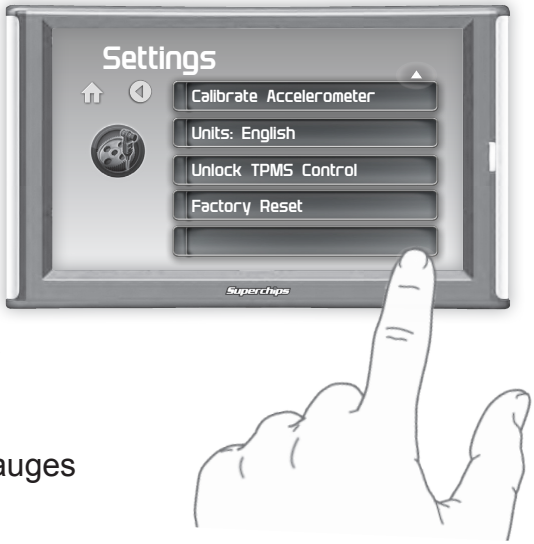


STEP 2 - Once the Accelerometer Gauge is displayed, enter the Quick Link menu.

STEP 3 - Press the Settings icon.

STEP 4 - Press the Up/ Down arrows until the Calibrate Accelerometer option is available.

STEP 5 - Press the Calibrate Accelerometer option.



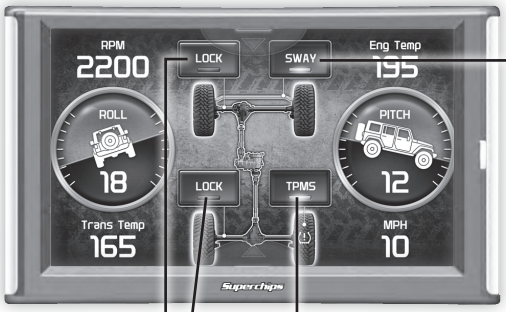
STEP 6 - Return home to the gauge screen.

The Pitch, Roll, & G-Force gauges should all read zero.

Using the Rubicon Screen

The following screen is vehicle specific. Your screen may or may not have all of the features as shown.

NOTE: Screen images may vary based on your vehicle.



SWAY
This will disable the light from displaying on your dash. To turn this feature on, press the button and follow the on-screen instructions.

TPMS
(2007+) This feature allows you to turn the Tire Pressure Monitoring System (TPMS) sensors OFF in vehicles that are equipped with non-stock tires. Quite often many after-market tires lack these sensors and this causes the TPMS lamp to turn ON in a vehicle. To turn this feature on, press the button and follow the on-screen instructions.

LOCK
Locks and unlocks Front or Rear Differentials. To enable this feature, press the button and follow the on-screen instructions.

NOTE: The LOCK feature will be automatically disabled after you exceed 30 MPH for safety.

Using the Switch Screen - Quick Features

The availability of the following features depends on the year & model of your Jeep.

Tire Size
This feature allows you modify the programmed Tire Height while also adjusting the speedometer for non-stock tires.

Axle Ratio
This feature allows you to adjust the calculated output shaft speed.

CAUTION: This feature should only be used if you have replaced the stock Axle.

Engine Idle
This feature allows the user to increase the engine Idle RPM momentarily during extreme conditions (e.g. while winching, etc.) Select an RPM that you would like the engine to idle at and press ENTER.

Run Lights
This feature allows you to change the Daytime Running lights configuration on your vehicle.

-OFF: No lamps.
-TURN SIGNALS: Turn lamps
-LOW: Same as stock.
-FOG: Fog lamps only
-EURO: Dim Setting/Half Luminosity
-HIGH: High Beams

NOTE: Changes will take effect as soon as the vehicle is started and placed into Reverse or Drive.

Engine Timing
This feature gives the option to Retard the Timing down a total of 6 degrees.

CAUTION: This feature should only be used if you are experiencing pre-detonation while in a programmed level.

Tire Pressure
This feature allows you to adjust the tire pressure at which the TPMS warning light will illuminate for a low tire-pressure condition. The selectable range is from 22 PSI to 64 PSI.

NOTE: If your dash is able to display Tire Pressure, the value you entered may not be the value shown.

The following Quick Features are not shown on the previous page, but could be displayed instead of or in addition to what is shown. The availability of the following features depends on the year and model of your Jeep:

Accessory Delay Adjustment
Allows you to adjust the length of time your radio stays on after you have turned the key to the Off position.

Automatic Door Lock Toggle
Allows you to turn ON or OFF the vehicle feature that automatically locks your doors once the vehicle is in motion.

Horn Chirp
Allows you to turn ON or OFF the horn “chirp” when locking the vehicle.

Lamp Flash
Allows you to turn ON or OFF the vehicle lamp flash when locking the vehicle.

One Touch Lane Change
Allows you to toggle this vehicle feature ON or OFF. When this feature is turned OFF, your blinker will only blink once after pressing the switch.

Transfer Case Ratio Adjustment
This feature allows you to adjust the ratio based on your Jeeps specific transfer case.

Transfer Case HI Adjustment
Allows you to adjust the transfer case settings while in 4-HI.

Transfer Case LO Adjustment
Allows you to adjust the transfer case settings while in 4-LO.

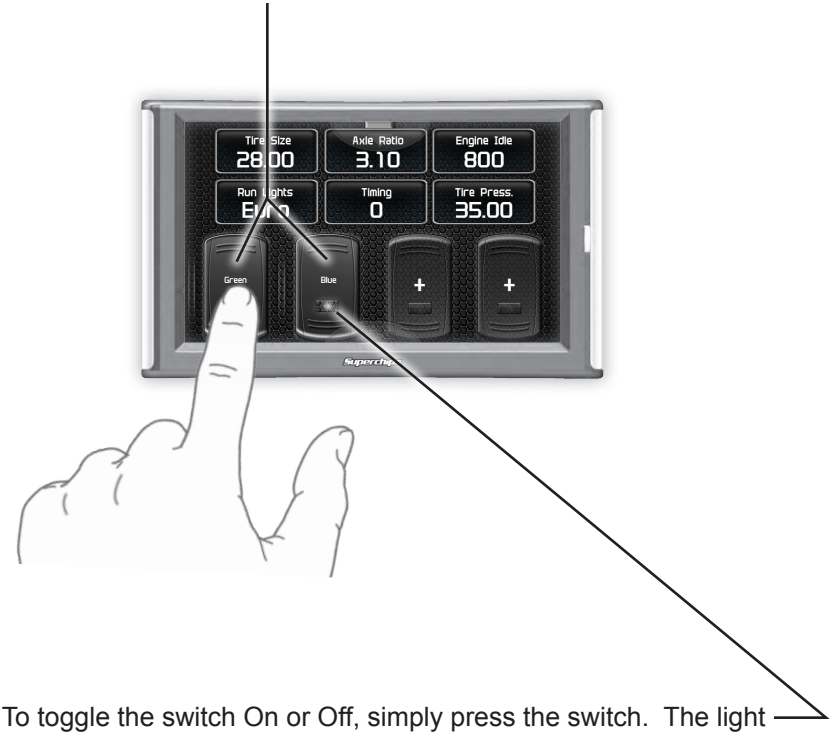
Using the Switch Screen - Toggle Switches

If you have purchased an Expandable Accessory System (EAS) Power Switch, you can use the Switch Screen to quickly toggle On or Off up to (4) different components (e.g. light bars, pumps, winch, etc.) For proper installation of the Power Switch, refer to the EAS Installation Manual. For information on how to operate and customize each switch, continue on with this section.

STEP 1 - Install the EAS Power Switch device according to the EAS Installation Manual.

STEP 2 - Once all of the proper connections are made, turn the key to the ON position.

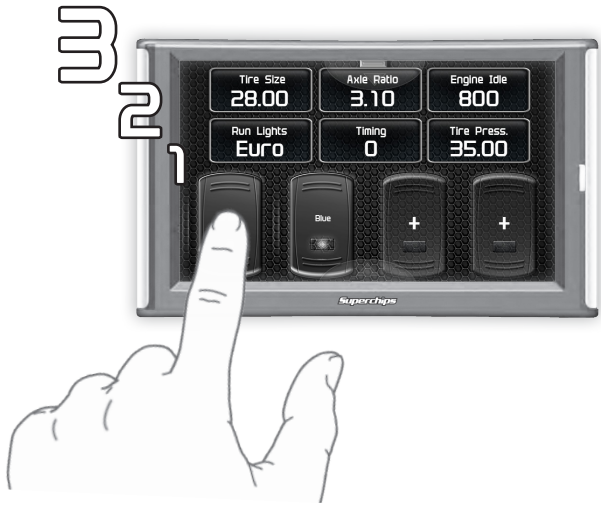
The display will detect the newly installed Power Switch during boot up. Once detected, the first two buttons (left) will automatically be populated.



STEP 3 - To toggle the switch On or Off, simply press the switch. The light indicator will illuminate when the switch is On.

If you would like to customize a switch:

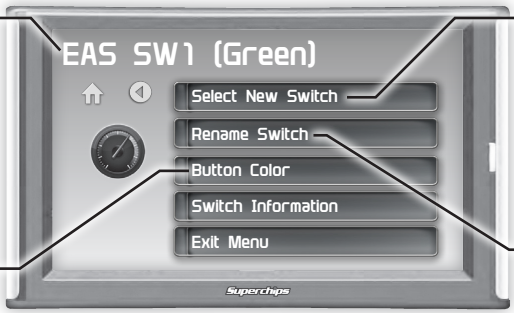
STEP 1 - Touch and hold the switch for 3 second, then let off.
A menu will appear.



STEP 2 - Select each option and make your adjustments accordingly.

The default name for each Power Switch that corresponds to the wire on the Power Switch pigtail. (SW2 is blue)

Changes the color of the illuminated indicator when the switch is On.



Allows you to select which device you are controlling. You may also Deactivate the switch location.

The new name can be up to two words with less than 12 characters per word.

STEP 3 - Return to the Switch Screen to see the changes you have made.

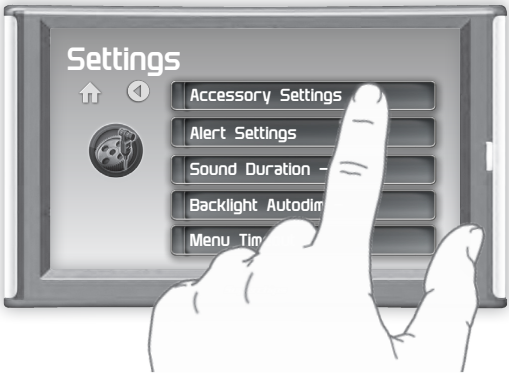
Settings

Accessory Settings

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Settings icon.

STEP 3 - Select Accessory Settings.



STEP 4 - Select an option in which you would like to modify.

STEP 5 - Select Camera Delay. Adjust the value using the arrows, then press Enter.

The TrailDash is designed to display the back-up camera when the vehicle is put into reverse. This feature allows you to specify how many seconds you would like the camera view to wait before it shows up on the display.

NOTE: This feature is not available on all model years.

STEP 6 - Select Camera At Startup.

Turning the Camera At Startup feature ON allows the back-up camera image to automatically come on during the startup of the display.

⚠ WARNING: Do not rely solely on the camera image for backing up. It is possible for the camera image to freeze.

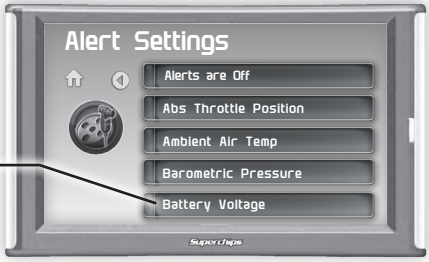
Alert Settings

STEP 1 - Enter the Quick Link menu.

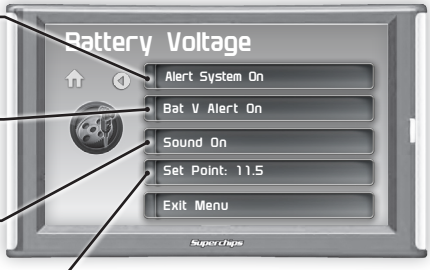
STEP 2 - Press the Settings icon.

STEP 3 - Select Alert Settings from the list.

STEP 4 - Select a PID from the list.



STEP 5 - Make your adjustments. In the example below, battery voltage is being modified.



Turn On or Off the alert system for all PIDs.

Turn On or Off this specific PID's alerts.

Turn On or Off the alert sound for this PID only.

This is the point at which you want the alert to be triggered for this PID.
The example above shows 11.5 as the value. If the display detects a battery voltage of 11.5 volts or less, the alert will be triggered.

During an alert:

1)The alert will be displayed

2)This will light up in red

3)The tab will flash red

4) The gauge will flash red

Sound Duration - Alerts

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Settings icon.

STEP 3 - Select Sound Duration from the list.

STEP 4 - Adjust the time (in seconds) to the length of time an alert should sound.

STEP 5 - Press Enter

Backlight Auto dim

Each display is equipped with a light sensor that detects how much light is entering the vehicle cab. During the day, the display will be at it's maximum brightness. As it gets darker outside, the display will automatically dim according to the amount of sunlight. If the value is kept at 99%, the display will be as dim as possible. If the value is set to 50%, the display will only be half as dim at night.

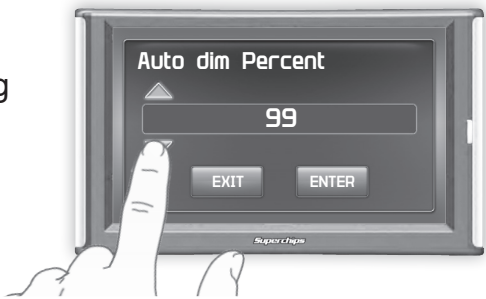
STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Settings icon.

STEP 3 - Scroll through the list and select Backlight Auto dim.

STEP 4 - Adjust the percent value for how much dimming will take place at night.

STEP 5 - Press Enter.



Menu Time out

This feature prevents the display from staying on for excess amounts of time. Once the time runs out, the display will return to the main gauge screen, then shut off.

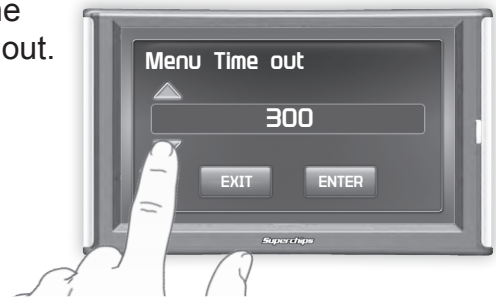
STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Settings icon.

STEP 3 - Scroll through the list and select Menu Time out.

STEP 4 - Adjust the time value (in seconds).

STEP 5 - Press Enter.



Vehicle Weight

Before using the Horsepower test, the vehicle weight (aka curb weight) must be entered first. The curb weight is the total weight of a vehicle with standard equipment, all necessary operating consumables (e.g., motor oil, coolant), a full tank of fuel, with no passengers or cargo.

Units

Changing the unit option allows you to view PIDs in either Metric or English. Vehicle Speed, for example, may be viewed as either MPH or KPH. Temperature PIDs such as Engine Coolant Temperature may be viewed as either Fahrenheit or Celsius, etc.

CAUTION: If you set up your display while the units are in English, and then switch to Metric, the values will remain the same, and not be converted.

Unlock TPMS Control

This feature allows you to access your vehicle's TPMS (Tire Pressure Monitoring System). Once it is unlocked, you will be given the ability to modify it's parameters.

In order to use this feature:

1. Locate the serial # on the bottom of your device.

2. Go to: tpmsoptions.superchips.com

3. Fill out the required information and submit. An email will be sent providing a link allowing you access to your unlock code.

4. Write this code down for future reference. Use the code to unlock the TPMS on your device.

Show Swipe Tutorial Off

This setting allows you to turn off the Swipe Tutorial that is shown each time the device turns on.

Calibrate Accelerometer

Once the display has been installed, and is mounted in a semi-permanent position, the Pitch, Roll, & G-Force gauges will need to be calibrated. The Calibrate Accelerometer setting allows you to zero out all gauges at one time.

Factory Reset

This feature will return the display to the factory default settings. All records and input data will be deleted unrecoverable.

Performance Settings

Basic Programming

The TrailDash comes ready with power levels that can be used to easily program the Jeep's Power Control Module (PCM). This section explains how to tune a Jeep using the standard level options.

CAUTION: Programming requires that the vehicle be parked and not moving. As such, make sure to park away from traffic or areas where the vehicle may impede access or exit. Programming will take several minutes and the vehicle can't be started during this process.

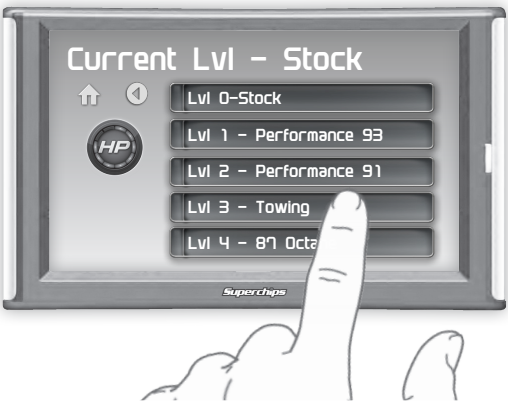
STEP 1 - Unplug all power consuming devices plugged into the cigarette lighter or other power ports. *(NOTE: Some vehicles require that the radio fuse be removed prior to programming.)*

STEP 2 - Enter the Quick Link menu.

STEP 3 - Press the Performance Settings icon.

STEP 4 - Select one of the available tuning levels.

⚠WARNING: Do Not combine or "Stack" chips (modules) to gain more horsepower. The chips could be incompatible and result in power-train failure or create dangerous conditions leading to a serious or fatal accident.



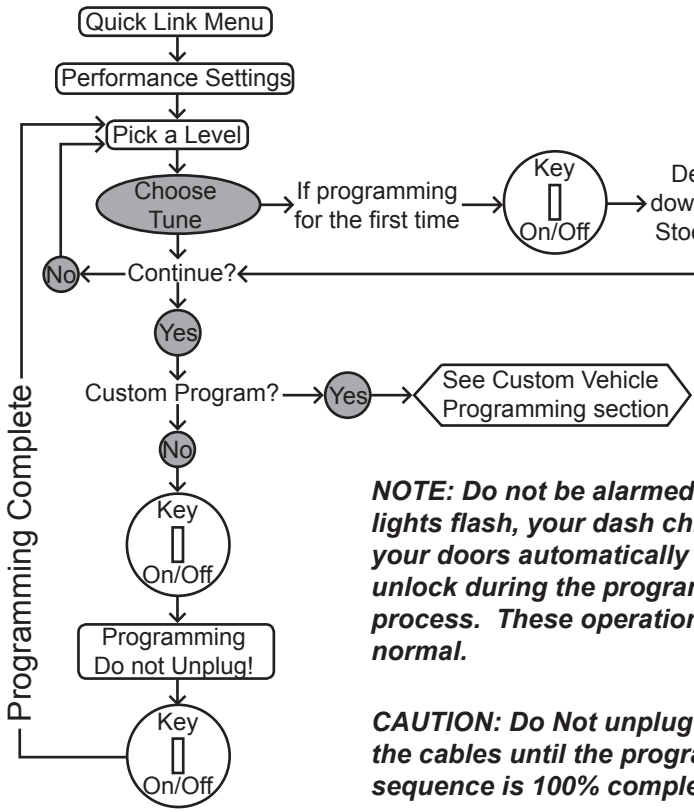
STEP 5 - Press Yes to continue.

STEP 6 - When asked if you would like to create a custom program, press NO.

NOTE: The TrailDash will begin to save the stock files. These files are used to return your vehicle back to it's stock settings.

STEP 7 - When asked, follow the Key-ON / Key-OFF instructions.

(NOTE: After the programming is complete, you will be taken back to the Levels screen. At the top it will say: "Current Lvl - the tune you picked")



NOTE: Do not be alarmed if your lights flash, your dash chimes, or your doors automatically lock and unlock during the programming process. These operations are normal.

CAUTION: Do Not unplug any of the cables until the programming sequence is 100% complete.

Custom Vehicle Programming

The TrailDash comes ready with power levels that can be used to easily program the vehicle's Power Control Module (PCM). This section explains how to modify custom options within each power level.

CAUTION: Programming requires that the vehicle be parked and not moving. As such, make sure to park away from traffic or areas where the vehicle may impede access or exit. Programming will take several minutes and the vehicle can't be started during this process.

STEP 1 - Unplug all power consuming devices plugged into the cigarette lighter or other power ports. *(NOTE: Some vehicles require that the radio fuse be removed prior to programming.)*

STEP 2 - Enter the Quick Link menu. (see page 15)

STEP 3 - Press the Performance Tuning icon.

STEP 4 - Select one of the available tuning levels.

⚠WARNING: Do Not combine or "Stack" chips (modules) to gain more horsepower. The chips could be incompatible and result in power-train failure or create dangerous conditions leading to a serious or fatal accident.

STEP 5 - Press Yes to continue.

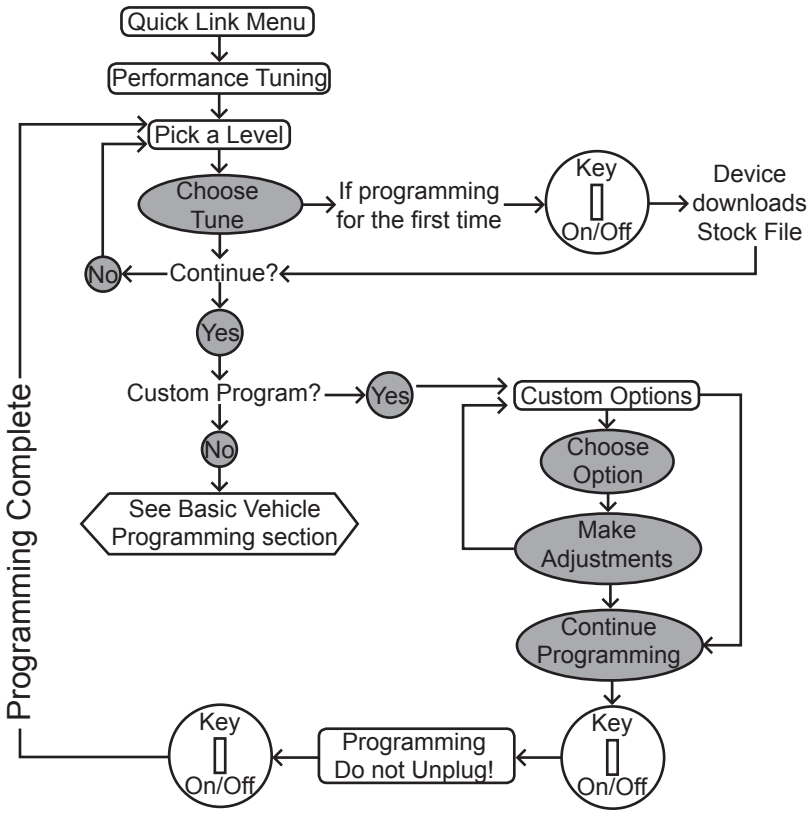
STEP 6 - When asked if you would like to create a custom program, press Yes.

STEP 7 - Scroll through the available options, modify them accordingly, then press Enter.

STEP 8 - Select Continue Programming.

STEP 9 - When asked, follow the Key-ON / Key-OFF instructions.

(NOTE: After the programming is complete, you will be taken back to the Levels screen. At the top it will say: "Current Lvl - the tune you picked")



Power Levels Explained

NOTE: Levels shown below may not be available for every model year.

The TrailDash device typically comes ready with (4) power levels. These levels are tuned specifically for different driving situations. This section describes each level and how it should be used.

⚠ ***WARNING: Performance levels are not intended for and should not be used for towing. Do not exceed your vehicle's max Gross Vehicle Weight Rating (GVWR) as outlined in the vehicle's owner's manual. Doing so may result in loss of vehicle control and cause bodily injury.***

87 Octane - Base level tune designed for use with 87 octane fuel.

89 Octane - Base level tune designed for use with 89 octane fuel.

Mileage XS - Designed to conserve fuel. Savings are dependant on the user's driver profile (this tune cannot cure a lead foot). 87 or higher octane is recommended.

Crawl (JK Only) - Designed for off-road conditions. Pedal response will be less sensitive. Use 87 or higher octane.

Performance 91 - Designed for use with 91 octane fuel.

Performance 93 - Designed for use with 93 octane fuel.

CAUTION: Removing/adjusting the speed limiter for purposes inconsistent with the products's intended function violates the product's intended use and will invalidate the product's warranty. Superchips is not responsible for, or liable for the consequences of improper product use

Custom Options Explained

After choosing a power level you will be given the option to adjust a custom option. This means that within each programming level you can adjust specific vehicle functions.

Rev Limiter - Allows you to increase the engine RPM limiter. The value can be increased from 5700 RPM to 6300 RPM depending on the vehicle.

Speed Limiter - Allows you to adjust the factory speed limiter higher or lower. Typically, stock vehicles are set at ~ 100 MPH.

⚠ ***WARNING: Removal/adjustment of the factory speed limiter is intended for use at a closed circuit, legally sanctioned racing environment. If you drive on public roads after removal or adjustment of the speed limiter, you must still obey all driving laws, including adhering to posted speed limits. To drive at racing speeds on public roads seriously endangers you, your passengers, and others nearby. Also it is your responsibility to ensure your tires and other vehicle components are rated to travel at increased speeds. Driving at high speeds with inadequate tires or other components can lead to serious or fatal injury.***

Fans Settings - Allows you to change the temperature at which your fans will turn on/off during specific driving speeds.

Pedal Response - Allows you to change the accelerator pedal sensitivity. This is especially useful in standard transmission vehicles while off-roading.

Reset all values - This options will restore all of the settings back to the factory default settings.

Diagnostics

Read DTCs

When your PCM detects a problem with your vehicle it sets a trouble code, and most times a “Check Engine” light on your dash is activated. These codes can be retrieved and used to help diagnose specific issues.

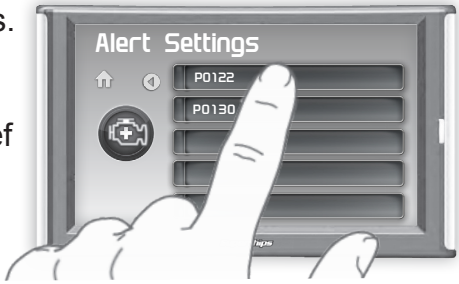
STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Diagnostics icon.

STEP 3 - Select Trouble Codes.

STEP 4 - Select Read DTCs.

STEP 5 - If a code is listed, select the code to see a brief explanation of the issue.



If a code is shown, write down the information given. You can use this code number to research the particular issue. The internet is a good resource for looking up most codes.

Clear DTCs

This feature allows you to clear most DTCs. This will erase any codes currently set. If the codes come back we recommend you see a qualified mechanic who can accurately diagnose and repair the problem.

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Diagnostics icon.

STEP 3 - Select Trouble Codes.

STEP 4 - Select Clear DTCs.

Performance Testing

0-60 & Quarter Mile

Performance tests can be helpful for measuring performance gains after vehicle modifications have been made. The results recorded during these test will likely differ from what you'll see on a drag-strip or other racing venues. Incorrect speedometer calibration, data sample rate, and tire slippage can cause miscalculations in the displayed results.

STEP 1 - Enter the Quick Link menu.

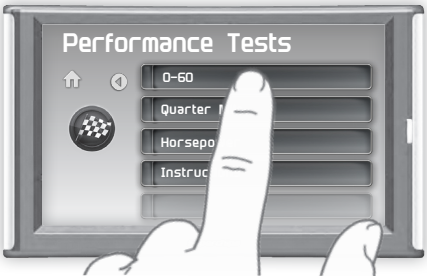
STEP 2 - Press the Performance Testing icon.

STEP 3 - Select either the 0-60 or Quarter Mile option.

STEP 4 - Bring the vehicle to a complete stop.

STEP 5 - Use the drag strip style light tree on the left of the screen to know when to begin accelerating. Once you have reached 60 mph (or a quarter mile), the test will show as completed.

STEP 6 - Touch the screen to exit the test.



WARNING: Do not use the Performance Tests feature to break any traffic laws.

Horsepower

NOTE: Before using the Horsepower test, the vehicle weight (aka curb weight) must be entered first. The curb weight is the total weight of a vehicle with standard equipment, all necessary operating consumables (e.g., motor oil, coolant), a full tank of fuel, with no passengers or cargo.

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Settings icon.

STEP 3 - Scroll through the menu, then select the Vehicle Weight option.

STEP 4 - Use the UP & DOWN arrows to enter the weight.

STEP 5 - Return Home and re-enter the Quick Link menu.

STEP 6 - Select the Performance Testing icon.

STEP 7 - Select the Horsepower option.

STEP 8 - Bring the vehicle to a complete stop.

STEP 9 - Use the drag strip style light tree on the left of the screen to know when to begin accelerating. *Touch the screen to exit the test.*

Data Log

Data Logging Explained

The data logging feature allows you to record all of the available PID data on your display. This information can be retrieved and viewed using the MyStyle software package.

NOTE: The display also runs background tasks which are also recorded. This information can be ignored.

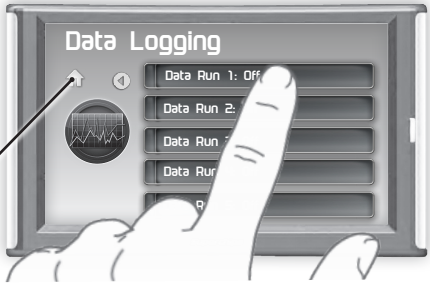
STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Data Log icon.

STEP 3 - Select one of the (5) Data Run options. This will turn the run On or Off.

NOTE: Only one run can be turned on at a time.

STEP 4 - Select the Home button to return to the main gauge screen. The display is now in recording mode.



STEP 5 - Once you have recorded for a desired period of time, return to the Data Logging menu and turn Off the run.

NOTE: The maximum amount of Data Logging time depends on how many items you are logging at once. This may be anywhere from 15 to 20 minutes total. Once the limit is reached, the Data Logging feature will be automatically shut off.

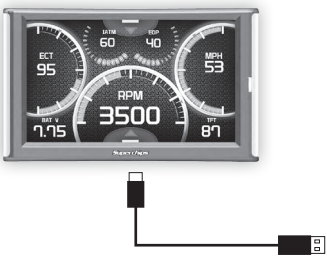
NOTE: If you turn the same Data Run back On, the previous data will be erased and a new recording session will begin. If the indicator light is red, there is currently a recorded file associated with that run.

Retrieving Data Using MyStyle

This section describes how to retrieve the data recorded during a Data Logging recording session. If you have not yet installed MyStyle refer to the Display Set Up section of this manual.

STEP 1 - Double-click the MyStyle icon on your desktop.

STEP 2 - Connect the display using the supplied USB cable.
When a display is plugged in, an image of the display will appear with a 9 digit number.

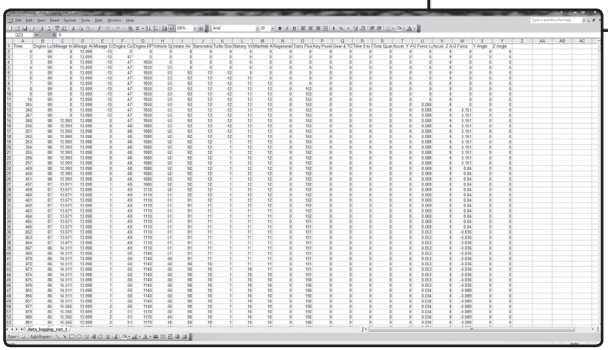


STEP 3 - Click the image of your display.

STEP 4 - Select Data Logs.

STEP 5 - Click the Save File As button and save the file.

STEP 6 - Locate the saved file on your computer and open it. The file will be saved as a .CSV file and can be opened using Microsoft Excel or similar.



Records

Records Explained

Records contain certain parameters for later review. This is useful after completing a performance test on the drag strip, or when you are trying to trouble shoot a particular issue.

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Records icon.

STEP 3 - Scroll through the list to view all records.

STEP 4 - Press, hold, and release any individual record to reset it to default. All other records will remain as is.

STEP 6 - Press, hold, and release the Clear All option to reset all values to zero.

Help

Help Menu Explained

The Help Menu contains useful information about your display, and the vehicle it is currently plugged into. It also contains Superchips contact information and Technical Support tools.

STEP 1 - Enter the Quick Link menu.

STEP 2 - Press the Help icon.

STEP 3 - Select the option that best describes your need:

Product Info (Display)

- Version
- Application Version
- Calibration Version
- Firmware (BC) Version
- FPGA Version
- MSP430 Version
- Serial Number (used to identify your display in the software update process and during Technical Support calls)

Product Info (EAS)

If you have an EAS device installed on your vehicle and plugged into your display, another Product Info screen will be available. It will list your EAS device's Firmware Version as well as its serial number.

Vehicle Info

Displays important information about your vehicle that is used by technical support to trouble shoot issues.

Contact Info

Shows our website, company address, the technical support email address, and the technical support phone number.

Tech Support Tools

This menu should only be used when requested by Superchips Technical Support personnel.

Maintenance Manager

Turn on Maintenance Manager

STEP 1 - Enter the Quick Link menu.
STEP 2 - Press the Maintenance Manager Icon.

STEP 3 - Select the Maintenance Mgr button to turn the feature on. *(This button toggles the feature off and on.)*

Entering the Odometer Value

STEP 1 - While in the Maintenance Manager menu, Press the Odometer button.

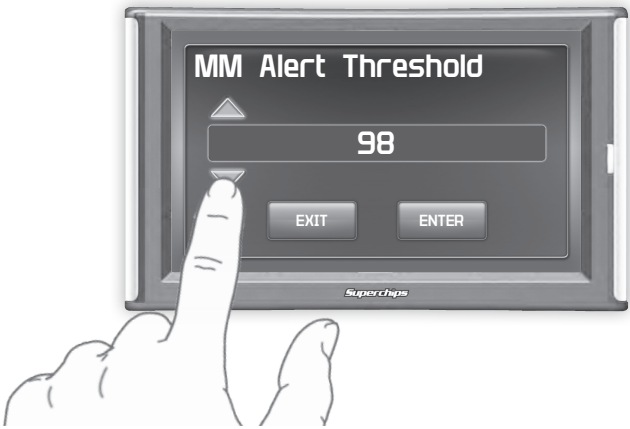
STEP 2 - Enter the current Odometer reading from your vehicle, then press Enter.

Setting the Alert Threshold

STEP 1 - While in the Maintenance Manager menu, Press the Alert Threshold button.

NOTE: The alert threshold is the number of miles you would like to be alerted before a specific maintenance item is due. In the example above, you would be alerted 100 miles before the actual mileage it is due.

STEP 2 - Press the arrows to adjust the value. Then press Enter.



Customizing Maintenance Items

Once the odometer has been updated, you may begin to modify each of the specific maintenance items.

STEP 1 - While in the Maintenance Manager menu, Press the Maintenance Items button.

STEP 2 - Scroll through and select an item from the list.

Enter the interval (in miles) in which you would like the item to alert you. In this example, you will be Alerted every 3000 miles to change your oil.

NOTE: Refer to your vehicle user manual to determine what interval is recommended for each Maintenance Item.

Turning On an alert means the item is now being managed

Press the Service Performed button each time the item is serviced. This will reset the mileage for the Next Service.

Based on the Odometer value you previously input, and the Interval value above, the Mileage that will read on the vehicle odometer at the time of required service will be calculated and displayed.

Mileage Coach

Mileage Coach Set Up

The Mileage Coach feature provides useful tips and tools that help you learn ways to improve your fuel mileage.

STEP 1 - Enter the Quick Link menu.
STEP 2 - Press the Mileage Coach Icon.

STEP 3 - Scroll through the list and adjust each item according to your individual requirement.

The Clear Fuel Average option clears the calculated average displayed in the Mileage Average PID.

The Last Fuel Economy option allows you to enter your actual Fuel Economy value. This value is important and should be calculated and entered regularly. This can be manually calculated by dividing the distance travelled by how much fuel you have used (Distance/Fuel = Fuel Economy). Some vehicles have their own Fuel Economy average that is displayed in cab and may be used instead of a manual calculation.

The Trip Odometer is used to calculate the Trip Cost and Fuel Average.

The Mileage Cost is a calculated average based on how many miles you have traveled and the Fuel Price you entered.

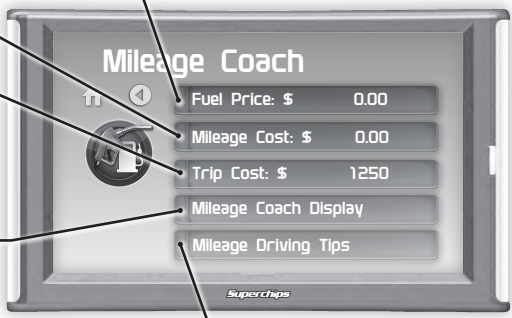
The Trip Cost is calculated from the Fuel Price and the Trip Odometer values.

There are two ways to display the Mileage Coach PID:

Show Difference
Displays the difference between Instantaneous and Average fuel mileage.

Show Values
Displays as: Instantaneous | Average.

The Fuel Price is used to calculate your Mileage and Trip Costs.



Mileage Driving Tips are intended to give you general information regarding driving habits or anything that will help maximize your fuel economy and overall driving experience.

STEP 4 - Refer to the Individual Gauge Set Up section of this manual to display one or all three Mileage Coach PIDs on the main gauge screen.

Mileage Average displays the calculated average MPG or L/100km and is updated continuously while driving. The average is calculated only when the PID is being displayed on the main Gauge Screen. This value will typically change more during start/stop driving, and less on the highway.

Mileage Instantaneous - shows a conscientious driver how to vary the pressure on the gas pedal to save fuel every second. The value is displayed in either MPG or L/100km.

Mileage Coach - takes the Average and Instantaneous values mentioned above and creates a visual tool to help maximize your fuel economy. This PID is best viewed using one of the Analog Gauge locations.

Appendix

Limited 1 Year Warranty

Superchips, (hereafter “SELLER”) gives Limited Warranty as to description, quality, merchantability, fitness for any product’s purpose, productiveness, or any other matter of SELLER’s product sold herewith. The SELLER shall be in no way responsible for the product’s open use and service and the BUYER hereby waives all rights other than those expressly written herein. This Warranty shall not be extended or varied except by a written instrument signed by SELLER and BUYER.

The Warranty is Limited to one (1) year from the date of sale and limited solely to the parts contained within the product’s kit. All products that are in question of Warranty must be returned shipping prepaid to the SELLER and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Superchips.

Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expenses.

If the BUYER sends back a failed unit that is out of warranty and chooses to buy a refurbished unit, the refurbished unit will only carry a 90 day warranty. If the BUYER purchases a new unit at a predetermined discounted rate, it will have the standard 1 year warranty.

Under no circumstances will the SELLER be liable for any damage or expenses insured by reason of the use or sale of any such equipment.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS. IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT, THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

NOTE: This warranty is void for any new products purchased through auction web sites. Warranty is valid only for new products purchased through Authorized Dealers (proof of purchase required for all warranty claims).

Important Information about your Vehicle's Warranty

Many of our customers ask, "Will your product void my vehicle's manufacturer's warranty?" While the answer is straightforward from a legal standpoint, it's important to educate our customers (and all aftermarket consumers) on some industry realities and offer some common sense precautions to minimize your risk. Superchips is committed to providing quality products that are safe to use. Our products do not cause damage to a vehicle when used as intended.

CAUTION: Operate your vehicle within manufactures recommended load and weight limits as shown in the Manufactures Operator Manual. Please keep in mind that towing in anything higher than the towing level and hard driving in race or extreme performance levels using Superchips is not recommended.

Consumers of aftermarket products are protected by the Federal Magnusson-Moss Warranty Act. The Act states that if something breaks on your vehicle and you take it in for warranty repair, the dealer must honor your warranty unless whatever modifications you have added to your vehicle actually caused the problem in question. However, the reality is that many dealerships have been known to void warranties on vehicles that use aftermarket products as a matter of policy. This applies in particular to those aftermarket products that produce horsepower, such as performance enhancement "chips," modified intake manifolds, or aftermarket exhaust systems, regardless of product brand.

You have strong legal protection as a consumer in regard to your vehicle's warranty. However, Superchips strongly recommends you always disconnect and remove your module/programmer and monitor when you take your vehicle to a dealer for warranty work. In addition, leaving the product connected may affect dealer diagnostic analysis and scan tool functions. Superchips makes every effort to produce product that can be easily removed.

NOTE: Even if you disconnect your unit, your dealer can detect the use of any programmer—even if the unit has been removed.

Service Center and Compatibility Cautions

CAUTION: RETURN YOUR VEHICLE TO STOCK BEFORE TAKING IT TO A SERVICE CENTER.

All Superchips programmers are built to operate with OEM calibrations. If you take your vehicle to a service center they may, by your request or otherwise, update your vehicle's calibrations. If this happens and your vehicle has not been returned to stock your device will no longer be capable of programming your vehicle. Therefore it is important that you return your vehicle to stock before taking it in for service. Superchips updates its active products (i.e. those currently being manufactured) to work effectively with updated OEM calibrations. However, this process can take some time as Superchips is not always made aware of calibration changes made by the OEM. In the case of discontinued products, Superchips cannot ensure that your unit will work effectively if you take your vehicle to a dealership and you are given, by your request or otherwise, a new calibration.

CAUTION: If you have used another tuner/programmer on your vehicle, you will need to program the vehicle back to stock and remove the device before using the programmer. Failure to return to stock may result in PCM failure or engine damage. Programming your vehicle may expose existing defects in the vehicle's PCM that could disable your vehicle. It is advised that you do not program your vehicle in remote locations in case of vehicle failure.

CAUTION: The TrailDash programmer was developed on a stock vehicle with no aftermarket bolt-on parts; as such, the performance changes implemented by the TrailDash may not be compatible with certain aftermarket power add-ons. See below for a brief explanation of how the TrailDash tuning may be affected by certain aftermarket devices.

Tips

Tip: Programming your vehicle may expose existing defects in your PCM that could disable your vehicle. It is advised that you do not program in remote locations in case of failure. Vehicle manufacturers do not recommend programming in extreme temperature. Please see your vehicle service manual to ensure that programming is being done in accordance to the original equipment manufacturers specifications.

Tip: Keep in mind that the TrailDash is a high performance product and that not all vehicles deliver the exact same power output when programmed. It is recommended that you select a program that will best fit your needs. Whether towing, or traveling long distances, choose your power level wisely and keep in mind the condition and tolerances of your vehicle when selecting a suitable power level.

Tip: If any problems persist, contact Superchips Technical Support. Please have the product Serial Number and Vehicle Information prior to calling Technical Support. This will help ensure quick and accurate support.

Tip: When taking your vehicle to the dealership to get work done, it is always a good idea to program the vehicle to stock before taking it in for service. In many cases, the dealership has new updates for the vehicle, and consequently will update the vehicles computer. If your vehicle is programmed to a power level, the dealership update will over write the programming and lock the device.

CARB/EPA Compliance

This product meets the emissions compliance requirements of the California Air Resources Board and Federal Environmental Protection Agency and is legal for sale and use on pollution-controlled vehicles operated on public streets and highways. It must be installed and operated according to the instructions provided in this user's manual. Included with this product is a sticker like the one pictured for you to keep in your vehicle. You can either apply it somewhere on the vehicle (e.g., driver's side door jam) or simply store it in your glove box. The purpose of these stickers is to inform anyone who may have questions regarding the use of your Superchips product and how it affects emissions. For example, it would be something to show an emissions technician if questioned when taking your vehicle in for an emissions check to let him/her know the product is CARB emissions compliant.

Trouble Shooting

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Display beeps for two seconds (long beep)	The unit is too hot from being in the direct sunlight	Once the device cools down the screen will turn itself on
No display when the key is in "on" position	The unit will not wake up with the key in the "on" position until the screen is touched.	Touch the screen or start the vehicle, if this does not turn the screen on then you will need to call technical support
Vehicle does not start after programming	The calibration may have not written correctly	Select "Return to stock" from the programming menu. Then, Program back to stock. Now, try to start the vehicle again. If the problem continues contact technical support
Fusion drivers will not install correctly	The drivers were not successfully installed by the automatic installer	Manually install the drivers, technical support can provide you with instruction on how to do this
Camera picture is frozen	Bad connections	Cycle the key off and on. Double check your fuse and connectors.
Error 16 when programming	There was a communication error	Try to program the level again
Display beeps quickly	Possible device malfunction	Update the device using the fusion software
Unit will not power up.	Typically this issue is caused by a blown OBDII/Cigarette Lighter Fuse.	Replace fuse and test unit again.
Programming errors: 1. Your device gets stuck on the "Uploading Boatloader" screen 2. An error is displayed: "ERROR-We could not upload the bootloader to the vehicle..." 3. If you are constantly asked to make sure your key is on. 4. Error displayed after your device shows blank gauges and says that it is loading. The error will be displayed as "Cannot communicate with vehicle, ensure the key is in the on position..."	Sometimes programming can be disrupted by installed aftermarket devices that are tapped into the vehicle communication lines (J1850). These may include but are not limited to aftermarket radios, chime boxes, remote starters, ect. Also, any power consuming devices should not be plugged into the cigarette adapter during the programming process. Fluctuations in power may disrupt the programming process.	The following solutions are good first steps to getting around these programming errors. If these steps do not solve your problem, please contact Tech Support: ***Fuses*: *(CAUTION: Always turn the key off while unplugging fuses).*** 1. Remove fuses connecting radio, radio amplifier, satellite radio, remote starter, or any other aftermarket device you have installed on your vehicle. ***Power:*** 1. Close all doors during programming. 2. Do not operate electrical accessories (radio, windows, wipers, ect.) 3. Remove any devices plugged into the cigarette lighter or any other auxiliary power port.

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