



# User's Guide

For Firmware [2.5.1-012221](#)

The **Tazer** is an electronic OBD2 plug-in device for the following vehicles:

**2015-2021** Dodge Challenger

**2011-2021** Dodge Charger

**2011-2021** Chrysler 300

**2014-2021** Dodge Durango

**2014-2021** Jeep Grand Cherokee

## Firmware Updates



New firmware is available periodically, always free and posted to the Z Automotive website. Use

[ZPU \(Z Automotive Programming Utility\)](#), also on the website, to install the firmware over USB. **New Tazers may not ship with the latest firmware.**

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# Feature List

**Tazer features can be broken into three categories:**

- **Vehicle Settings** are changes made to the vehicle such as tire size, gear ratios or settings which accommodate other upgrades. **These changes will continue to operate after the Tazer is unplugged.**
- **Live Functions** are operations the Tazer performs live, **only while it is physically connected.**
- **“Non-Menu” Live Functions** are operations the Tazer performs live, only while it is physically connected, and **ARE NOT LOCATED IN A MENU.** They are activated automatically or with button presses.

## List of **Vehicle Settings**

- Light Show – 6 preset and 3 make-your-own light shows that flash all the exterior lights – perfect for car shows/first responders/off-road visibility – controlled from key fob or steering wheel buttons – can be enabled in-motion for use in parades, off-road and for legal police/EMS applications **(contact support for more info)**
- Display DTCs – display Diagnostic Trouble Codes to see why the Check Engine light may be on.
- Clear CELs – reset check engine light and DTC codes
- one-touch return-to-stock – quick “Unmarry” function returns to stock
- enable factory Sport Mode for 5-speed vehicles, enabling the “Sport” button on UConnect radios **(2012-2014 Charger/300, 8.4” and 4.3” screens)**
- enable factory Sport Mode for 8-speed vehicles, changing PRNDL to PRNDS **(2012-2014 Charger/300, 2015-2017 Charger/Challenger)**
- enable SRT performance pages on 8.4” UConnect radio screen **(2012-2014 Charger/300)**
- enable SRT performance timers in EVIC display **(2012+ Charger/300/Challenger)**
- enable SRT Drive Modes - street/sport/track/valet/custom/ECO **(2015+**

### **Scat Pack Charger/Challenger)**

- enable Super Track Pak **(2015+ Challenger/Charger)**
- enable support of added factory paddle shifters **(2012-2021)**
- toggle Scat/SRT steering **(Scat Pack)**
- enable STP drive modes **(2015+ Challenger/Charger)**
- enable STP engine/transmission setting **(2015+ Challenger/Charger automatic)**
- enable factory shift light **(Challenger/Charger)**
- enable ECO mode **(2015+ Challenger/Charger Scat Packs)**
- disable Tire Pressure Monitoring System warnings
- calibrate speedometer for non-factory tire sizes
- enable the addition of factory fog lights
- enable the addition of factory backup camera
- enable aux video/audio for front camera and/or external video source  
**2015-2016 Charger/Challenger**  
**2017+ with a free Cargo Cam input**  
**2014-2017 Jeep Grand Cherokee**  
**2014-2017 Dodge Durango**
- enable/disable SiriusXM TravelLink
- enable/disable daytime running lights and select which lights to use

### **(application dependent)**

- set DRL location
  - DRL
  - SRT DRL's
  - Turns
  - Fogs
  - High beams
  - Low beams
- enable/disable factory fogs
- disable Daytime Running Light Dropout (DRL shut-off while turn signal is on)
- enable/disable Trailer Tow setting **(Grand Cherokee or Durango)**
- disable Fog Light Dropout (fog light shut-off while high beams are on)
- change EVIC splash screen **(mid-2015+ Challenger/Charger with restrictions)**
- open and close windows from fob **(experimental)**
- enable/disable seatbelt ding **(2015+)**
- enable/disable EasyExit **(2015+)**
- enable/disable power folding mirrors **(Grand Cherokee)**
- enable/disable mirror turn signals **(Grand Cherokee or Durango)**
- enable/disable tow mirrors **(Grand Cherokee)**
- enable/disable approach mirrors **(Grand Cherokee)**

## List of **Live Functions**

- Dark Mode – turn off all exterior lighting and dash/radio/shifter lights while parked with the engine running
- flash third brake light when braking
- customize third brake light flash pattern
- enable navigation entry in-motion
- change engine power mode **(experimental, 2015+)**
- change transmission mode **(experimental, 2015+)**
- change key power mode **(experimental, 2015+ Hellcat or Trackhawk)**
- force start in Sport mode **(2015+ SXT and RT)**
- disable traction control on startup
- add the Hellcat's boost gauge to the dash and uconnect **(2015+ Charger/Challenger)**
- force track, custom, sport or default drive mode at startup **(2016+ SRT/Hellcat/Scat Pack set to SRT)**
- disable Auto-Start/Stop **(Grand Cherokee/Durango)**
- cycle cameras/video inputs **(with Tazer plugged in)**
- display actual peak recorded shift RPM at every shift **(Automatic only)**
- force RWD/AWD **(in AWD models)**
- display 0-30 or 0-60 times on EVIC display **(2011 that can't enable SRT pages and Durango)**

## List of **“Non-Menu” Live Functions**

- activate Light Show (shortcuts)
- Line Lock – use ABS solenoids to lock the front wheels for burnouts at the track or just for fun **(AWD forced off during use)**
- fully disable/enable ESP
- use backup camera and added cargo/front camera or media player at any speed with a button shortcut **(2015+)**
- manually shift through gears using steering wheel cruise +/- buttons.
- upshift vehicle in AutoStick at a user-defined RPM trip point. Can be set using ZPU or via steering wheel buttons on-the-fly **(2012-2014 5 speed only)**
- reset TCM learned shift adaptives on-the-fly
- cluster swap support **(15-17 cluster in 11-14 Charger)**
- Cooldown Mode – turn on engine fans

on-demand (**ignition on, engine not running**)

- remap ACC buttons, added “aux” buttons or SPORT button on 2016+ Scat Pack to:
  - any of the 8 light shows
  - cameras/video inputs

- Line Lock
- custom/sport/track drive modes
- ESP Kill
- Force RWD/AWD
- Launch Mode
- Cooldown Mode
- Partial Reboot

## Installation

For pre-2018 models, installation is a matter of simply plugging the Tazer into the OBD2 diagnostic port under the dashboard, above the parking brake.

- For 2018+ models, refer to the Double Bypass installation guide available at [zautomotive.com](http://zautomotive.com).
- The Tazer does not need to be plugged in for any of the features in the **Vehicle Settings** to remain operational.
- A Y-cable may be used if you have other devices that need to be plugged into the OBD port at the same time, such as a data logger, or Z Automotive Double Bypass, which relocates the Tazer to the trunk.
- The Tazer will go to sleep by itself 30 seconds after the car shuts down.



- The Tazer can be left plugged in, as many of its features (**Live Functions**) only work when plugged in.

# Vehicle Settings

This section explains how to use the Tazer to change the vehicle settings for feature activation.

**IMPORTANT NOTE:** If you are running **firmware lower than 2.4.1**, you must return all vehicle settings to stock manually before upgrading to the current firmware. Contact [support@zautotech.com](mailto:support@zautotech.com) for more info.

**New Tazers ship with a more recent (or current) firmware.**

## 2015-Current Challenger/Charger/300

### 2014-Current Jeep/Durango:

- **For all functions involving the dash (EVIC) display, the EVIC screen first needs to be in a state where it's showing the AUDIO screen.** Use the left and up/down arrows to set the EVIC display like this.
- Once the display is in this state,

**press and hold the steering wheel LEFT ARROW, and tap the Cruise "CANCEL" button to enter the settings menu.**

- Advance through the menu by continuing to **HOLD** the **LEFT ARROW** and **TAPPING** the Cruise **"CANCEL"** button. (Go slowly.)

## 2011-2014 Charger/300:

- **For all functions involving the dash (EVIC) display, the EVIC screen first needs to be in a state where it's showing the radio station name on the top line, or if the radio is off, a blank line on top.** Use the "BACK" button and up/down arrows to set the EVIC display like this.

- Once the display is in this state, press and hold the steering wheel "BACK" button, and tap the Cruise "CANCEL" button to enter the settings menu.
- Advance through the menu by continuing to **HOLD BACK** and **TAPPING** the Cruise **"CANCEL"** button. (Go slowly.)

**To change/select a setting, press and hold BACK and tap the Cruise "ON/OFF" button. Advance through the menu slowly.**

# IMPORTANT

**IF YOU MAKE ANY CHANGES IN THE VEHICLE SETTINGS (NOT LIVE) MENU, YOU MUST PERFORM A FULL REBOOT AND TWO SLEEP CYCLES. SEE BELOW.**

- After making changes, scroll to “**full reboot?**” and “**select**” it.
- After the countdown, perform **two sleep cycles**.
- The quickest way to do this is to turn the ignition off, close the driver’s door and wait about 60 seconds **AFTER** the dash goes dark, turn the ignition on (but not the engine). **Do this twice**.
- **This step is critical** after changing settings or **settings might not save** or you may find that the dash doesn’t shut down, which **can result in a dead battery**.

Exit the menu quickly and safely by **HOLDING** the **LEFT ARROW** and **TAPPING** the Cruise “**RES**” button.

## Select “UNMARRY” to return the vehicle to stock.

After unmarrying, advance to the “full reboot?” option and select it. Allow a full **2.5 minutes** for the Tazer to reboot all systems – the UConnect will reboot twice in this time, the dash will reset, and when it’s finished, the red security dot on the dash will turn on. **A few sleep cycles might be required for all changes to take effect.**

- **Light Shows:** Activate pre-programmed and custom light shows, even when the engine isn’t running.
- **Clear CELs:** Clear the check engine light and diagnostic codes stored in the PCM, TCM, ABS, and AWD modules.
- **Display DTCs:** Cycles through Diagnostic Trouble Codes
- **Marry/Unmarry:** **To advance to any of the vehicle settings, you will first need to “Marry” the Tazer to the vehicle.** When you select this option, the Tazer will download your car’s **current** (presumably stock) settings. This should take around 15 seconds. **Do not disturb this process.**
- **Submenus:** Once married, you can advance through several sub-menus. Select a submenu using the method described above.

- 1:** For 2015+ only. These settings will not be available in the menu on a 2011-2014.
- 2:** Experimental feature. May not work on all vehicles. Possibly 2015+ only.

## Submenu Perf:

### performance-based options

- **Set Sport Mode for 5 speed:** If set ON, this will add sport mode button to the radio for 5 speed 2012-2014 Charger/300 vehicles. Radio will reset after changing this setting. (If not a 2012-2014 Charger or 300, LEAVE THIS SETTING ALONE, do not change it!!!)
- **Set Sport Mode for 8 speed:** If set ON, this changes PRNDL shifter function to PRNDS on 2012-2014 Charger/300 equipped with an 8 speed. Sport mode might not work right away; may need a sleep/wake cycle to take effect. Park the car for 5 minutes and it should be enabled. (Do not change this setting on a Durango, Grand Cherokee or RAM, or if a Police Package vehicle).
- **Cluster Swap:** This enables the gear shift indicator after cluster swap on **5 speed, floor-shift vehicles ONLY**
- **Set SRT Mode:** If not an SRT, and set ON, this will add the SRT splash screen and SRT menu items to the EVIC display in 2012-2014 Charger/300, and SRT Drive Modes to 2015-2017 Challenger/Charger Scat Pack (Enabling this on 2015-2017 Charger 3.6 or 5.7 will result in an airbag error light). Additionally, **your Sport Button will be disabled. See the Button Remap section on [page 18](#) for remap options.**
- **Set Performance Pages:** For 2012-2014 charger/300, this adds the SRT performance pages to the radio. In 2015-2018 Challenger and Charger, this adds performance pages and extra gauges to EVIC screen, and depending on vehicle might enable performance pages on the 8.4 Uconnect screen.
- **Set Super Track Pak<sup>1</sup>:** This setting enables Super Track Pak (2015-2018 Challenger/Charger) which in most cars is what will add the Dodge Performance configuration app.
- **Set Paddle Shifters:** If factory paddle shifters are added, this setting will enable them.
- **Set Steering<sup>1</sup>:** This setting, for Scat Packs, toggles between SCAT and SRT. If setting SRT on, then change steering



to SRT as well. This allows Scat Pack owners to use Track steering firmness from the SRT.

- **Set Drive Modes<sup>1</sup>:** This, in conjunction with Super Track Pack enables Drive Mode app on Uconnect (2015-2018 Challenger/Charger). Depending on build, some drive mode functions may or may not work. This function, along with SRT mode, adds the ability to use track mode on Scat Pack Challengers. Choices are NONE, Scat and SRT.
- **Set Transmission Drive Mode<sup>1</sup>:**

This, in conjunction with Super Track Pack enables Engine/Transmission setting to be available on the Dodge Performance App. (2015-2018 Challenger/Charger automatic)

- **Set Shift Light<sup>1</sup>:** This enables factory shift light function for Challengers/Chargers.
- **Set ECO mode<sup>1</sup>:** This setting, when used with SRT ON, allows the use of ECO mode on 2015-2018 Challenger and Charger Scat Packs.

## Submenu Tire:

### TPMS and tire size options

- **Set TPMS:** Turn the tire pressure monitoring system type – good when using drag radials or winter tires when the sensors aren't present anyway. Can be NONE, BASE, or PREMIUM. NONE is TPMS disabled. BASE is for the system that only has a low tire pressure warning light. PREMIUM is the system that shows individual tire pressures.
- **Set Tire Pressures Front/Rear:** Change the TPMS warning pressures – use the left arrow and cruise +/- buttons to raise or lower the pressure, then select it to save the new setting. Once set, it may take hours and/or miles before they fully update, so be patient. (25psi min)
- **Set Tire Size:** Change the tire diameter to recalibrate the speedometer. Use the left arrow and cruise +/- buttons to raise or lower the size, then select it to save the new setting. Use the hand-measured tire height in inches for accurate sensor readings.

## Submenu Radio:

### radio-based options

- **Set Backup Camera:** If factory backup camera is added, this setting will enable it.
- **Set Cargo Cam:** This will enable the “cargo cam” selector on the “controls” screen. Useful for front cameras.
- **Set Backup camera grid lines<sup>1</sup>:** If factory backup camera is added (2015-2017), this setting will enable the dynamic grid lines.
- **Set DVD\_CD<sup>1</sup>:** This setting adds the CD input on the RA3/RA4 radio, for use as an aux input, particularly useful if adding a media player or DVD player.
- **Set Travel Link:** This setting adds the ability to disable SiriusXM Travel Link, which turns off the weather pop-ups. Also disables SiriusXM Traffic information.

## Submenu Lighting:

### DRL and other lighting options

- **Set DRL Type:** Choose USA (on but selectable), Canada (on all the time), or off.
- **Set DRL Location:** Choose which lights to use as DRL's (results vary with vehicle model) – Dedicated DRL, SRT DRL's, Turns, Fogs, Hi beams or Low beams.
- **Set DRL Dropout:** This setting is enabled by default, making the DRL turn off when using a turn signal. Turning this OFF will keep the DRL on even when a turn signal is in use.
- **Set Trailer Tow:** Configure the vehicle for MOPAR trailer towing wiring kit **(Grand Cherokee & Durango ONLY)**
- **Set Fog Lights Enable:** If factory fog lights are added, this setting will enable them.
- **Set Fog Dropout:** This setting is enabled by default, making the Fogs turn off when using high beams. Turning this OFF will keep the fogs on even when high beams are in use.

## Submenu Comfort:

### interior options

- **Set EVIC Splash<sup>1</sup>:** This setting will allow changing the start animation on 2015 ½ -2018 Challenger/Charger with the following restrictions: If SRT is ON, then the working choices are None (Charger/Challenger will display) or HELLCAT. If SRT is OFF, the choices are None (Charger/Challenger will display), SCAT bee animation, or SHAKER logo (Challenger). Setting HELLCAT on a 3.6 or 5.7 will result in an airbag error light.
- **Windows from Keyfob:** The Tazer can open and close the windows for the front doors remotely. The doors need to be closed for it to operate. Tap once, then hold the unlock button for the windows to roll down. Tap the lock button 6 times for the windows to roll up.
- **Set Seatbelt Ding<sup>1</sup>:** This setting is enabled by default, making the seat chime ding when moving unbuckled. Turning this OFF will keep the chime from making noise, but the seat belt warnings on the dash will continue to function. ALWAYS WEAR YOUR SEATBELT.
- **Set EasyExit<sup>1</sup>:** This will add Easy Exit seating option to 2015+ Challengers. Once enabled there will be an option in Uconnect settings do turn this feature on and off, which moves the driver seat and steering wheel to the retracted position for easy entry/exit. Note that legroom behind the driver is limited, so it's not recommended if you have passengers in that rear seat.

## Submenu Mirror (Grand Cherokee/Durango Only):

### mirror-related options

- **Set Power Mirrors:** This will activate MOPAR power folding mirrors after installation.
- **Set Mirror Turns:** This will activate side-mirror turn signals after installation.
- **Set Mirror Tow:** This will enable tow mirror lights after installation.
- **Set Mirror Approach:** This will enable approach mirror lights after installation.

- **Firmware Version Display:** Shows the current Tazer firmware revision.
- **Serial Number Display:** Shows the serial number of your Tazer.
- **UM Key:** Shows the current “Unmarry Number” ([see page 19](#)).
- **Full Reboot:** Will reset vehicle modules and UConnect system twice. The dash will reset, and when finished, the red security dot on the dash will turn on and back off. Takes 2.5 minutes to complete, and **should be performed after any Vehicle Settings are changed** – Once complete, shut off the vehicle, open and close the driver door and wait for a minute to be sure the dash turns off. (**For 2018 models, the add-a-circuit block from the Double Bypass needs to be unplugged, then plugged back in so the radio can reboot.**)

## Live Menu Settings

This section explains how to use the Tazer’s live functions – these are activated with the same button presses as the Settings Menu, but **while the engine is RUNNING**. These features **will only work if the Tazer remains plugged in**.

- **Light Show:** This is one method of activating the light shows. Selecting this will activate the first show, unless ZPU was used to change the startup show. There are 9 light shows – you can toggle through all 9, then back to OFF.
- **Set Radio Type:** Use this option to tell the Tazer what radio is in your car, if you are going to use the in-motion nav or Aux video features. Typically the 2011-2014 are RB5, 2015-16 are RA4, and 2017-18 are UAQ. This also allows for radio swaps.
- **Dark Mode:** If enabled, turn off all exterior lights and dash, radio, and shifter lighting.
- **PlsBrk:** Toggle pulsing third brake light when braking. Comprised of two settings:
  - **PlsBrkNum:** Set the number of pulses.
  - **PlsBrkSpd:** Set the speed/pattern of pulses  
slow/medium/fast/ramp up/ramp down/random.
- **Set In-Motion Nav:** If set ON, this adds the ability for address info to be entered into the navigation system while vehicle is moving. This is for the PASSENGER to use. It may be illegal for the driver to use the navigation system to enter information while the vehicle is in motion. On RA3/RA4 radios, it

will also allow the text feature and switching drive mode settings while in motion. It is recommended to leave this setting OFF, enabling it only when you need to use it.

- **Eng<sup>2</sup>:** Change the engine power mode.

Choices are:

Auto (No change)

Sport

Track

Eco

- **Trans<sup>2</sup>:** Change the transmission mode. Choices are:

Auto (No change)

Sport

Track

Eco

- **Power<sup>2</sup>:** In a Hellcat or Trackhawk, change the key level. Choices are:

Auto (No change)

Red (Red Key Mode)

Black (Black Key Mode)

Valet (Valet Key Mode)

- **AutoSport<sup>1</sup>:** For SXT/RT – if enabled, will put the car in Sport mode every time it's turned on.
- **Trac Kill:** If enabled, will effectively “press” the traction control button for you, every time the vehicle is turned on.
- **Boost Gauge:** If enabled, will add the

“boost” gauge to 2015-20 Charger and Challenger dash and UConnect.

**Note that while enabled, the air intake temp gauge will not read correctly. This gauge will report boost and vacuum on a supercharged car, vacuum only on a non-supercharged car.**

- **StMode:** For 2016+ SRT/Hellcat/Scat-set-to-SRT – Can be set to Track, Sport, custom or Default – will set the Drive mode to start up in.
- **SS Kill:** For Grand Cherokee and Durango equipped with Auto-Start-Stop system – if enabled, will automatically disable the auto-start-stop system every time the vehicle is turned on.
- **Set Camera<sup>1</sup>:** This item will switch between backup camera, VES input, and Aux input. Note the factory backup camera turns itself off at a certain speed (8-20mph). This feature requires that the Tazer remain plugged in to function. Works on 2015-2016 Challenger/Charger, and 2014-2017 Jeep GC/Durango.
- **Peak RPM Display:** When this is on screen, every time the transmission shifts, whether in Drive or Autostick, Upshift or down, the peak RPM for that shift will be displayed on EVIC screen. Note that this actual shift RPM

is where the transmission actually shifted, not when it was told to shift!  
Automatic transmissions only.

- **Force AWD:** (AWD models only) When selected, will switch between “AWD: Normal”, “AWD:Force RWD”, and “AWD:Force AWD. You can change the setting at any time, but the change will only occur when the car is not in motion.
- **0-30 Timer:** (2011 and Durango only) When the vehicle is stopped, this display will change to “start 30”. As soon as the vehicle starts moving, the display will change to “go to 30” and

the timer starts. When the vehicle reaches 30MPH, the time will be displayed.

- **0-60 Timer:** (2011 and Durango only) When the vehicle is stopped, this display will change to “start 60”. As soon as the vehicle starts moving, the display will change to “go to 60” and the timer starts. When the vehicle reaches 60MPH, the time will be displayed.
- **Display Tazer Firmware Revision:** Displays the Tazer’s current firmware version: “TZ2G: x.x.x.” (ie “TZ2G:2.5.1”)

## Non-Menu Live Functions

Some **live** functions of the Tazer are **not accessed from a menu**, but rather work automatically or with **button presses**.

- **Line Lock:** The Tazer will use the ABS solenoids to lock the front wheels for burnout purposes. To use this feature, you must stop the car then press the steering wheel “back” button (2011-2014) or left arrow button (2015+) and hold it while pressing the cruise + button. Continue to hold either of the two buttons, or both. Once the ABS light on the dash comes on (and EVIC message “Line Lock ON”), pump the

brake pedal twice firmly and release. Press the gas pedal, and the rear wheels will break traction. Brakes release when the back/ok button is released. On AWD vehicles, the AWD system will be temporarily forced into RWD until the burnout is complete and the vehicle returns to a full stop. ESP will revert to “Sport” when line lock is released, or Custom Drive mode for 16+ SRT/Hellcat/Scat-set-SRT.

- **Full ESP Disable/Enable:** Stop the car. Press and hold the ESP button for 5-7 seconds (20 seconds on 2015+) and the ESP lights, BRAKE light, ABS lights will illuminate indicating that ESP and ABS are shut off. With the car stopped press and hold again for 5-7 seconds and the ESP system will turn back on. Be sure to re-enable before turning the car off.
- **Sport Mode on 2015-2017 Challenger/Charger:** If your car does not have a physical “SPORT” button, and you used the Tazer to enable sport mode, you can press the traction (ESP) button and BACK buttons on the console at the same time, and this will turn SPORT on and off.
- **Line Lock:** The Tazer will use the ABS solenoids to lock the front wheels for burnout purposes. To use this feature, you must stop the car then press the steering wheel “back” button (2011-2014) or left arrow button (2015+) and hold it while pressing the cruise + button. Continue to hold either of the two buttons, or both. Once the ABS light on the dash comes on (and EVIC message “Line Lock ON”), pump the brake pedal twice firmly and release. Press the gas pedal, and the rear wheels will break traction. Brakes release when the back/ok button is released. On AWD vehicles, the AWD system will be temporarily forced into RWD until the burnout is complete and the vehicle returns to a full stop. ESP will revert to “Sport” when line lock is released, or Custom Drive mode for 16+ SRT/Hellcat/Scat-set-SRT.
- **Full ESP Disable/Enable:** Stop the car. Press and hold the ESP button for 5-7 seconds (20 seconds on 2015+) and the ESP lights, BRAKE light, ABS lights will illuminate indicating that ESP and ABS are shut off. With the car stopped press and hold again for 5-7 seconds and the ESP system will turn back on. Be sure to re-enable before turning the car off.
- **Set Camera<sup>1</sup>:** While the video input can be selected using the EVIC screen as mentioned above, it can also be selected quickly by double-clicking the volume MUTE button to switch between backup camera, VES input, and Aux input. Note the factory backup camera turns itself off at a certain speed (8-20mph).
- **Steering Wheel Shifting:** (SWS, 5 speed only) The cruise(+) button on the steering wheel can be used for

upshifts, while the cruise(-) button will downshift. They will be active only when in AutoStick mode as long as SWS is enabled, and only if the cruise control system is turned off. Use the console shifter to enter AutoStick mode. You will not re-enter DRIVE mode when pressing cruise + and in gear 5, as you would using the console shifter. To re-enter drive mode, double click the cruise + button while in 4th gear, or use the console shifter. To disable SWS, press the page down and cruise (-) buttons at the same time. To enable SWS, press page up and cruise (+) at the same time. “SWS on” or “SWS off” will display in EVIC.

- **Auto Upshift:** (5 speed 2012-2014 only) The Tazer will automatically upshift for you at a programmable RPM when in AutoStick mode. The Tazer is factory preset to request a shift for you at 6000 RPM, but this can be set to any value by using the ZPU utility, although the TCM will cause a “limp home” mode if RPMs exceed 7000. Keep in mind that this is the RPM at which a shift will be requested; there is delay in the TCM and hydraulic circuits that cause the shift to actually take place later, as the RPMs continue

to rise. This can be anywhere from 200-600 RPM higher (depending on HP, valve body modifications, clutch wear, etc) so it’s best to set the RPM shift point lower, and use the PeakRPM function to test your car’s delay and adjust accordingly. You can also set Auto Upshift RPMs using steering wheel buttons. With the car in Park and engine not running, hold the “BACK” button and push cruise +/- to adjust. EVIC display will show “Upshift xxxx” where xxxx is the new set RPM. Use ZPU if you would like to set the RPMs differently for each gear. Works in “sport mode” only.

- **Reset Adaptives:** Reset TCM adaptives at any time by pressing “BACK” and Cruise on/off. “Adapt Reset” will show on the EVIC screen.
- **Cluster Swaps:** The Tazer can now accommodate cluster swaps of the 2015-17 cluster in a 2011-14 Charger. To initiate the cluster swap code, press the cruise cancel and traction control buttons at the same time. Cluster swap code will run until the Tazer is unplugged. The arrow keys will work the cluster menus; the “OK” button is mapped to pressing and holding the cruise “+” button and tapping or



holding the right arrow.

- **Light Shows:** The Tazer comes pre-configured with 6 light shows out of the box, plus 3 “make your own” light shows that you can configure with the ZPU utility. There are four ways to control the light shows on the Tazer:

**Keyfob:** The light show can be turned on by pressing unlock-unlock-lock-unlock from the keyfob. This will start the first light show in the sequence (depending on which show it’s configured to start with). Pressing unlock again will advance to the next enabled show. Pressing lock will turn off the light shows. You may lock the vehicle while the shows are on by pressing the button on the door handle or using the key.

**Quick-on:** The light show can be activated by moving the High Beam stalk to the forward (hi beam) position, and tap the CRUISE + button. This will start the first light show in the sequence (depending on which show it’s configured to start with). Pressing CRUISE + again will advance to the next enabled show. Moving the High Beam stalk back to its normal

position will end the show.

**Dash Menu:** You can start the show by setting the dash to “Audio” mode, then press the left arrow and tap cruise CANC button. “Lightshow?” will display on the dash. Hold left arrow and tap cruise on/off (center) button to turn on the first light show in the sequence. Again to advance to the next show. Exit the menu (left arrow and CANC) to turn off the show.

**AUX buttons or Adaptive Cruise buttons:** See the button remap instructions below. You can use the mapped buttons to quickly access any one of the light shows. Press to toggle on/off. If the dash is set to “audio” you will see a confirmation message of the light show on or off.

**The light shows will shut off if it’s used for such a long time that the vehicle battery voltage drops below 11V.**

- **Cooldown mode:** With the ignition on but engine not running, press the right arrow and cruise cancel button at the same time to turn the engine fan on High. For Hellcats, press again for

intercooler pump only, again for Fan low and pump, again for fan high and pump, again to turn them off. They will also turn off automatically if the battery drops to 10.8V.

- **Button Remap:** This function allows the assignment of “hotkeys” for quick access to some of the Tazer’s functions. The ACC buttons (if equipped) or an “AUX” button bank (or Viper buttons for old style) may be used for this function, as can the SPORT button on 2016-17 Scat Packs. While the dash is in Audio mode, press and hold the left arrow (back button for old style) and press the button you’d like to remap. The choices are:

- **Any of the 8 light shows**

- **back/front/aux cameras/video**
- **line lock**
- **custom/sport/track drive modes**
- **ESP kill**
- **Force RWD**
- **Launch Mode**
- **Cooldown**

Keep in mind that not all functions pertain to all vehicles.

- **Partial Reboot:** Press left arrow and cruise RES with the ignition set to RUN and engine is not running, and the Tazer will reset several systems including the PCM (engine adaptives), RF Hub, Instrument cluster, ABS, BCM.

# UPDATING/LIGHT SHOW CONFIGURATION

Updating your Tazer firmware is done with the [Z Automotive Programming Utility](#), which **requires a computer or other device running Windows or MacOS Catalina** and an available USB port. The ZPU User Guide at the link above explains how to install ZPU and how to perform firmware updates. **If you misplace or damage your USB cable, you can replace it with any common “USB Mini B” data/charging cable.**

Please see the accompanying “[Light Show Configuration Guide](#)” to configure your Tazer JI Mini’s light show options in ZPU

# UNMARRYING YOUR TAZER

**To Unmarry your Tazer**, select “Unmarry” from the Vehicle Settings Menu (not Live). Then perform a “Full Reboot” and two sleep cycles as described on [page 7](#). **All of your settings will revert to whatever they were when you originally Married your Tazer.**

**You should Unmarry and remove your Tazer before dealer service or if you wish to use your Tazer in another vehicle.**

## The Unmarry Key

**NOTE:** This feature is **only** for when your Tazer is Married to **another vehicle**.

If you receive a Tazer second-hand, or lose access to your vehicle without unmarrying your Tazer and receive the “**Not VIN XXXX**” error:

1. Navigate to the “UM Key” item in the Tazer’s EVIC menu, described on [page 12](#).
2. Write this key down, and visit this URL to purchase our Unmarry Service, where you’ll be prompted to enter that key: <https://www.zautomotive.com/product/unmarry-key/>
3. Return to the UM Key option in the EVIC menu and hit (Left Arrow + Cruise+/-) to begin entering the code provided with your purchase.
4. Press Left + Cruise On/Off to proceed to the next character.
5. Once you’ve entered the last (eighth) digit, your Tazer will report whether the unmarry has succeeded or failed.

# Common Troubleshooting Questions

Symptom	Cause	Solution
No menu in EVIC	EVIC display has to be in state where it can display radio station name	Set EVIC so it's showing radio station name. It's the top line of the 2011-2014 small dash screen, or the "Audio" menu on 2015+ large screen
Airbag light is on	Configuration mismatch	Cannot set SRT mode or Splash to Hellcat on 2015/16 Charger 3.6 or 5.7
Line Lock won't hold the car	Didn't provide adequate brake pressure	Invoke Line Lock by pressing back/OK and tapping cruise +, and while continuing to hold back/ok, press the brake pedal FIRMLY twice and release.
Changed a setting and it didn't take effect	Full Reboot and 2 sleep cycles were not performed	Follow the directions on <a href="#">page 7</a> .
Dash is staying on after the car should be sleeping	A setting was changed and the menu wasn't exited properly (2015-17)	With the ignition ON, press the left arrow and cruise RES buttons to reboot the systems. Turn the car off, then open and close the driver door and wait a minute to see that dash turns off.
No PRNDL display in EVIC	Changed Sport 8 Speed setting incorrectly.	Change the Sport 8 Speed setting back to its original state.

Z Automotive cannot be held responsible misuse or consequential damages.

If you are in doubt, email [support@zautotech.com](mailto:support@zautotech.com).

Please be aware that modifying your vehicle in any way can affect your vehicle's warranty, longevity, handling, etc.

Please use with caution, and AT YOUR OWN RISK.

USING THE LIGHT SHOW FEATURE ON PUBLIC ROADS: IMPERSONATING A POLICE OFFICER IS A FELONY. LIGHT SHOW IS INTENDED FOR CAR SHOW/TRACK/OFF ROAD USE ONLY.

Z Automotive is in no way affiliated with FCA.