TAZER
User's Guide
For Firmware 2.5.9-041823

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

2015-2024 Dodge Challenger

2011-2024 Dodge Charger

2011-2024 Chrysler 300

2014-2024 Dodge Durango

2014-2024 Jeep Grand Cherokee

Firmware Updates

New firmware is available periodically, always free and posted to the Z Automotive website. The Tazer may not ship with the latest firmware, so use ZPU (Z Automotive Programming Utility) for Windows and MacOS (ChromeOS not supported), also on the website, to install the firmware over USB.

Z Automotive Programming Utility
Z
AUTOMOTIVE
Electronic Performance Modifications
Update Configure Datalog Exit

YOU DO NOT NEED TO UNMARRY TO UPDATE YOUR TAZER.

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or

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Feature List

Tazer features can be broken into three categories:

- **Vehicle Settings** are accessed with the **engine OFF and the ignition in the "RUN" position**. These are changes made to the Jeep such as tire size, gear ratios or settings which accomodate other upgrades. **These changes will continue to operate after the Tazer is unplugged.**

- **Live Settings** are accessed with the **engine ON**. These are selectable options that the Tazer performs live, **only while it is physically connected.**

- **"Non-Menu" Live Functions** ~~are not located in a menu.~~ They are **activated** ~~automatically~~ **or with a steering wheel** ~~button combination~~. These are operations the Tazer performs live, only while it is physically connected.

SPECIAL NOTE: As of firmware 2.5.9, the Steering Wheel Shifting feature has been deprecated due to incompatibilities with newer features. If this is a critical function for you, we recommend 1. Clearing your PIN, 2. Unmarrying and 3. Using the Manual option in ZPU to install firmware 2.5.4. **This only affects 2011-2014 vehicles.**

SPECIAL NOTE: As of this firmware, the Peak RPM display feature has been deprecated due to incompatibilities with newer features. If this is a critical function for you, we recommend 1. Clearing your PIN, 2. Unmarrying and 3. Using the Manual option in ZPU to install firmware 2.5.9. **This only affects 2011-2014 vehicles.**

NOTE: This is just a list of available features. To learn more about how to activate them or what they do, continue to the dedicated section of the manual for each set of features.

List of Vehicle Settings
(ENGINE OFF, IGNITION IN "RUN")

Main Menu

- **"LightShow?"** – 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)**
- read and clear DTCs system-wide or in specific modules

Submenus:
- **"Perf"** PERFORMANCE SUBMENU
- **"Tire"** TIRE SUBMENU
- **"Radio"** RADIO SUBMENU
- **"Lighting"** LIGHTING SUBMENU
- **"Comfort"** COMFORT SUBMENU
- **"Mirror"** MIRROR SUBMENU **(Grand Cherokee/Durango only)**

- **"Marry?"** Marry to access the submenus, then one-touch **"Unmarry?"** Unmarry function returns to stock
- **"TZ: x.x.x."** display firmware version
- **"UnmryNo: xxxx"** display Unmarry Number **(ignore this unless instructed not to by support)**
- **"Full Reboot"** reset vehicle modules and UConnect system.

Performance Submenu
- "**Sport5sp**" 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)**
- "**Sport8sp**" enable factory Sport Mode for 8-speed vehicles, changing PRNDL to PRNDS **(2012-2014 Charger/300, 2015-Present Charger/Challenger)**
- "**SRT Set**" enable SRT performance pages on 8.4" UConnect radio screen **(2012-2014 Charger/300)**
- "**PerfSet**" enable SRT performance timers in EVIC display **(2012+ Charger/300/Challenger)**
- "**STP en**" enable Super Track Pak **(2015+ Challenger/Charger)**
- "**Paddles**" enable support of added factory paddle shifters **(2012-2022)**
- "**Steer**" toggle Scat/SRT steering **(Scat Pack)**
- enable gear shift inidicator after cluster swap **(5-speed, floor-shift vehicles only)**
- "**DrvMode**" enable SRT Drive Modes - street/sport/track/valet/custom/ECO **(2015+ Scat Pack Charger/Challenger) OR** enable STP drive modes **(2015+ Challenger/Charger)**
- "**DrvTrans**" enable STP engine/transmission settings modes **(2015+ Challenger/Charger automatic)**
- "**ShftLt**" enable factory shift light **(Challenger/Charger)**
- "**ECO mode**" enable ECO mode **(2015+ Challenger/Charger Scat Packs)**

Tire Submenu
- "**TPMS**" disable Tire Pressure Monitoring System warnings
- "**PSI Front/Back**" change the TPMS warning pressures
- "**Tire**" calibrate speedometer for non-factory tire sizes

Radio Submenu
- "**Cam En**" enable the factory backup camera after it's newly installed
- "**CargoCam**" enable aux video/audio for front camera and/or external video source **(8.4" UConnect only) (2015+ Charger/Challenger/300 with a free Cargo Cam input) (2014+ Jeep Grand Cherokee/Dodge Durango with a free Cargo Cam input)**
- "**CamGrid**" enable backup camera grid lines **(2015+)**
- "**DVD_CD**" enable radio's CD audio input **(RA3/RA4 Radios)**
- "**TravelLnk**" enable/disable SiriusXM TravelLink

Lighting Submenu
- "**DRLType**" choose full-time (Canada) or toggled (USA) DRLs
- "**DRL Loc**" set DRL location - choices:
    - DRL
    - SRT DRLs
    - Turns
    - Fogs
    - High beams
    - Low beams
- "**TRLR Tow**" enable/disable Trailer Tow setting **(Grand Cherokee or Durango)**
- "**DRL Drop**" disable Daytime Running Light Dropout (DRL shut-off while turn signal is on)
- "**Fogs En**" enable/disable factory fog lights
- "**Fog Drop**" enable/disable Fog Light Dropout (fog light shut-off while high beams are on)

Comfort Submenu
- "**Splash**" change EVIC splash screen **(mid-2015+ Challenger/Charger with restrictions, read closely)**
- "**RemWndw**" open and close windows from fob **(experimental)**
- "**BeltDing**" enable/disable seatbelt ding **(2015+)**
- "**Easy Exit**" enable/disable EasyExit **(2015+)**

Mirror Submenu **(Grand Cherokee or Durango)**
- "**PwrFold**" enable/disable power folding mirrors **(Grand Cherokee)**
- "**MirTurn**" enable/disable mirror turn signals **(Grand Cherokee or Durango)**
- "**MirTow**" enable/disable tow mirrors **(Grand Cherokee)**
- "**MirApr**" enable/disable approach mirrors **(Grand Cherokee)**

List of **Live Settings**
(ENGINE ON)

LIVE Main Menu

- "**LightShow?**" activate Light Show
- "**LivePerf?**" LIVE PERFORMANCE SUBMENU
- "**STARTUP?**" LIVE STARTUP SUBMENU
- "**LiveLight?**" LIVE LIGHTING SUBMENU
- "**LiveRadio?**" LIVE RADIO SUBMENU

LIVE Performance Submenu

- "**PIN Lock**" assign a steering wheel button sequence to be required before driving the vehicle
- "**BrakeHold**" automatically hold brakes at a red light
- "**ForceRWD**" force RWD or AWD **(AWD vehicles)**
- "**BoostGg**" add the Hellcat's boost gauge to the dash and uconnect **(2015+ Charger/Challenger)**
- "**Eng**" change engine power mode **(experimental, 2015+)**
- "**Trans**" change transmission mode **(experimental, 2015+)**
- "**PwrMode**" change key power mode **(experimental, 2015+ Hellcat or Trackhawk)**
- "**0-30/0-60**" display 0-30 or 0-60 times on EVIC display **(2011 that can't enable SRT pages and Durango)**

LIVE Startup Submenu

- "**SS Kill**" disable Auto-Start/Stop **(Grand Cherokee/Durango)**
- "**AutoSport**" force start in Sport mode **(2015+ SXT and RT)**
- "**StDrv**" force track, custom, sport or default drive mode at startup **(2016+ SRT/Hellcat/Scat Pack set to SRT)**
- "**Trac Kill**" set Tazer to remember the last state of the traction control system and set it for you the next time you start the vehicle **(Grand Cherokee/Durango)**
- "**Winch XXXX**" define Winch Mode RPM **(Grand Cherokee/Durango)**

LIVE Lighting Submenu

- "**DarkMode?**" turn off all exterior lighting and dash/radio/shifter lights while parked with the engine running
- "**RemRestart**" automatically restart the vehicle once remote start times out after 15 minutes
- "**PlsBrk**" and "**PlsBrkNum**" enable and customize third brake light flash pattern

LIVE Radio Submenu

- "**Video?**" cycle cameras/video inputs
- "**Radio**" define radio type (UAQ, RA4, RB5, UConnect 5)
- "**InMoNav**" enable navigation entry in-motion

List of **"Non-Menu" Live Functions**
(NOT IN A MENU — AUTOMATIC OR ACTIVATED WITH BUTTON INPUTS ONLY)

- 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, Force RWD must be enabled on a Grand Cherokee or Durango)**
- fully disable/enable ESP
- use backup camera and added cargo/front camera or media player at any speed with a button shortcut **(2015+)**
- 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 with or without the engine running
- Remote Start Extend - remote start back to back an unlimited number of times (stock function only allows twice) if RemRestart is enabled
- Windows from Keyfob - open and close windows with a keyfob shortcut
- activate Launch Mode on vehicles with that feature using a button shortcut
- all-4-brakes-by-button Launch function for vehicles without Launch Mode **(button remap ONLY)**
- 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 Shortcut
  - Cooldown Mode
- Partial Reboot

Installation

2011 - 2017

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.

2018 - Current

Vehicles 2018 to current require the use of the Z Automotive Double-Bypass. Click here to read the full installation guide.

- The Tazer **can be left plugged in**, as many of its features (Live Functions) only work when plugged in.
- The Tazer **does not need to be plugged in** for any of the features in the **Vehicle Settings to remain operational.**
- A splitter like the Z Automotive OBD T-Harness may be used if you have other devices that need to be plugged into the OBD port at the same time. You can also use the Z Automotive Double-Bypass in pre-2018 models to relocate the Tazer to the trunk.
- The Tazer will go to sleep by itself 30 seconds after the car shuts down.
- **Configuration of Tazer settings is done nearly entirely inside the vehicle using menus accessed with the button commands below.**

Menu Navigation

- **To access the Tazer features and menu, your EVIC dashboard screen must be on "AUDIO" or displaying the radio station/radio info.**
- Navigate to this screen using the steering wheel arrow buttons. If the screen is missing, use the dashboard's own settings menu to add it to "Favorites."
- Once the display is in this state, use the button commands below to operate your Tazer.

Function	Button Input
OPEN MENU/SCROLL MENU	◁/**BACK**(HOLD) + CRUISE CANC
SELECT/CHANGE OPTION **or** SAVE VALUE (TIRE SIZE, TPMS THRESHOLD, ETC.)	◁/**BACK**(HOLD) + CRUISE ON/OFF
ADJUST VALUE (TIRE SIZE, TPMS THRESHOLD, ETC.)	◁/**BACK**(HOLD) + CRUISE +/-

CRITICAL

Read everything on this page CLOSELY.

EVERY SINGLE TIME YOU MAKE CHANGES IN THE "VEHICLE SETTINGS" (ENGINE OFF) MENU **OR** UNMARRY, **YOU MUST PERFORM A FULL REBOOT AND TWO SLEEP CYCLES.** THIS PROCESS IS EXPLAINED HERE:

How to perform a FULL REBOOT AND TWO SLEEP CYCLES

- After making all of your changes, scroll to "full reboot?" and select it.
- Wait for the countdown, then perform two sleep cycles.
- The quickest way to do two sleep cycles is to turn the ignition off, open and close the driver's door and wait about 60 seconds AFTER the dash goes dark, then turn the ignition on (but not the engine) and repeat once more.
- **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.

Full Reboots should be performed on level ground, with the wheels straight and with your foot off the brakes.

Returning to Stock (Unmarry)

SELECT **"UNMARRY?"** FROM THE VEHICLE SETTINGS MENU **AND PERFORM THE STEPS ABOVE TO RETURN YOUR VEHICLE TO STOCK CONFIGURATION***

***Your Tazer stores the configuration present when it's Married. That will be what it returns to when you Unmarry, even if it wasn't stock.**

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

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 for more info.

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

NOTES

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.

3: Will not work on 2018 or newer vehicles using a Double-Bypass. Use the security gateway bypass to access these features. Contact support for more info.

Vehicle Settings

This section explains the Vehicle Settings, used primarily for feature activation.

The **Vehicle Settings menu** is accessed with the **ignition in "Run" (not "ACC")** and the engine **NOT** running.
The menu items are listed in the order in which they will display.

Main Menu

- **Light Shows** "**LightShow?**": Activate pre-programmed and custom light shows, even when the engine isn't running.
- **Read DTCs:** View any error codes in the
  - Powertrain Control Module **(PCM)**
  - Body Control Module **(BCM)**
  - Transmission Control Module **(TCM)**
  - Anti-lock Brake System **(ABS)**
  - Drivetrain Control Module **(DTCM)**
  - Radio Frequency Hub **(RFH)**
  - Drive Assistance Module **(DASM)**
  - Occupant Restraint Controller **(ORC)**
  - ParkTronic System **(PTS)**
- **Clear DTCs:** Clear any error codes in those same systems
- **"Marry":** 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. This option will change to "Unmarry" once Married. See the previous page for details.**
- **Submenus:** Once married, you can advance though several sub-menus. Select a submenu using the method

described above. Submenus and their contents are listed starting on the next page.

    "**Perf?**" PERFORMANCE SUBMENU
    "**Tire?**" TIRE SUBMENU
    "**Radio?**" RADIO SUBMENU
    "**Light?**" LIGHTING SUBMENU
    "**Comfort?**" COMFORT SUBMENU
    "**Mirror?**" MIRROR SUBMENU **(Grand Cherokee/ Durango only)**

- **Firmware Version Display** "**TZ: x.x.x.**": Shows the current Tazer firmware revision.
- **Unmarry Number** "**UnmryNo: XXXX**": Shows the current "Unmarry Number" (see page 14).
- **Full Reboot** "**FullReboot?**": This option resets vehicle modules and the UConnect system twice. The dash will reset. When finished, the red dash security dot will turn on. It may turn off or not depending on the vehicle. This takes 2.5 minutes and **should be performed after any Vehicle Settings are changed.** Follow with two sleep cycles as described on the previous page. (**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. Then perform the two sleep cycles.)

Performance Submenu "Perf": performance-based options

- **Set Sport Mode for 5 speed** "Sport5sp": Set to ON, this will add the sport mode button to the radio **(5-speed 2012-2014 Charger/300 only) DO NOT change this setting in other vehicles.**

- **Set Sport Mode for 8 speed** "Sport8sp": Set to ON, the PRNDL shifter function changes to PRNDS **(8-speed 2012-2014 Charger/300 only) DO NOT change this setting in other vehicles or in Police Package vehicles.**

- **Cluster Swap** "ClstrSwp": This enables the gear shift indicator after a cluster swap **(5-speed, floor-shift vehicles only)**

- **Set SRT Mode** "SRT Set": Set to ON in a non-SRT, this adds the SRT splash screen and menu items to the EVIC display **(2012-2014 Charger/300)**, and SRT Drive Modes **(2015-Present Challenger/Charger Scat Pack)** (Enabling this on 2015-Present 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 13](#) **for remap options.**

- **Set Performance Pages** "PerfSet": Set to ON, this adds the performance pages and extra gauges to the EVIC screen **(2015-Present Challenger/Charger/300)**, and in some vehicles, SRT performance pages to the radio **(2012-2014 Charger/300) (not guaranteed on 2015-Present vehicles) (8.4" UConnect ONLY).**

- **Set Super Track Pak** "STP en"[1]: Set to ON, this enables Super Track Pak, which generally adds the

Dodge performance configuration app. **(2015-Present Challenger/Charger)**

- **Set Paddle Shifters** "Paddles": Set this to ON after adding factory paddle shifters.

- **Set Steering** "Steer"[1]: This setting toggles between SCAT and SRT steering. If SRT mode is on, this should be set to SRT as well, which will allow Scat Pack owners to use Track steering firmness from the SRT. **(Scat Pack only)**

- **Set Drive Modes** "DrvMode"[1]: Enabled alongside Super Track Pack, this adds the Drive Mode app to the UConnect. **(2015-Present 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** "DrvTrans"[1]: This, in conjunction with Super Track Pack enables Engine/Transmission setting to be available on the Dodge Performance App. **(2015-Present Challenger/Charger Automatic)**

- **Set Shift Light** "ShftLt"[1]: This enables factory shift light function. **(Challenger/Charger)**

- **Set ECO mode** "ECO mode"[1]: This setting, when used with SRT ON, allows the use of ECO mode. **(2015-Present Challenger/Charger Scat Pack)**

Tire Submenu "Tire": TPMS and tire size options

- **Set TPMS** "TPMS": Change the tire pressure monitoring system type – good when using drag radials or winter tires when the sensors aren't present anyway. Can be NONE (disabled), BASE (low tire warning only), or PREMIUM (individual tire pressure).

- **Set Tire Pressures Front/Rear** "PSI Front/Back": This setting changes the TPMS warning pressures – use ◁/BACK(HOLD) + CRUISE+/- to raise or lower the pressure and ◁/BACK(HOLD) + CRUISE On/Off 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** "Tire": This setting will change the tire diameter to recalibrate the speedometer and shift points. Use ◁/BACK(HOLD) + CRUISE+/- to raise or lower the size and ◁/BACK(HOLD) + CRUISE On/Off to save the setting. Use the hand-measured height in inches for accurate sensor readings. After the required **Full Reboot and two sleep cycles**, go for a **20 minute drive**, preferably highway, so that all sensors adjust.

Radio Submenu "Radio": radio-based options

- **Set Backup Camera** *"Cam En"*: This setting enables a newly-added factory backup camera.
- **Set Cargo Cam** *"CargoCam"*: This will enable the "cargo cam" selector on the "controls" screen. Useful for front cameras.
- **Set camera grid lines** *"CamGrid"*[1]: If factory backup camera is added (2015-Present), this setting will enable the dynamic grid lines.

- **Set DVD/CD** *"DVD_CD"*[1]: 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** *"TravelLnk"*: This setting adds the ability to disable SiriusXM Travel Link, which turns off the weather pop-ups. Also disables SiriusXM Traffic information.

Lighting Submenu "Lighting": DRL and other lighting options

- **Set DRL Type** *"DRLType"*: Choose USA (on but selectable), Canada (on all the time) or OFF (disabled).
- **Set DRL Location** *"DRL Loc"*: Choose which lights to use as DRLs (results vary with vehicle model) - choices:

    DRL
    SRT DRLs
    Turns
    Fogs
    High beams
    Low beams

- **Set Trailer Tow** *"TRLR Tow"*: Configure the vehicle for MOPAR trailer towing wiring kit **(Grand Cherokee & Durango ONLY)**
- **Set DRL Dropout** *"DRL Drop"*: Set to OFF, this will keep the DRLs on even when a turn signal is in use.
- **Set Fog Lights Enable** *"Fogs En"*: This setting enables newly-added factory fog lights.
- **Set Fog Dropout** *"Fog Drop"*: Set to OFF, this will keep the fogs on even when the high beams are in use.

Comfort Submenu "Comfort": interior options

- **Set EVIC Splash**[1] *"Splash"*: This setting changes the boot animation. **(2015½ -present Challengers/ Chargers) RESTRICTIONS: If SRT is ON**, the working choices are None (default splash) or HELLCAT. **If SRT is OFF**, the choices are None (default splash), SCAT Bee animation, SHAKER logo (Challenger) or DEMON logo (2019+). **Setting HELLCAT on a 3.6 or 5.7 will result in an airbag error light. This will likely never change as it is a limitation of your vehicle, not the Tazer.**
- **Windows from Keyfob** *"RemWndw"*: Set to ON, this enables the ability to open and close the front windows remotely on some vehicles.

    Open Windows: Tap Unlock **5** times
    Close Windows: Tap Lock **5** times

- **Set Seatbelt Ding** *"BeltDing"*[1]: Set to OFF, this will disable the chime when your seatbelt is off. The seat belt warnings on the dash will continue to function. **Always wear your seatbelt.**
- **Set Easy Exit** *"Easy Exit"*[1]: Set to ON, this adds the Easy Exit seating option, which moves the driver seat and steering wheel to the retracted position for easy entry/exit, to the UConnect radio settings. Turn the radio setting on as well to enable. **(2015+ Challengers)**

Mirror Submenu "Mirror" (Grand Cherokee/Durango Only): mirror options

- **Set Power Mirrors** *"PwrFold"***:** This setting activates newly-added MOPAR power folding mirrors.
- **Set MIrror Turns** *"MirTurn"***:** This setting activates newly-added side-mirror turn signals.
- **Set Mirror Tow** *"MirTurn"***:** This setting activates newly-added mirror lights.
- **Set Mirror Approach** *"MirApr"***:** This setting activates newly-added approach mirror lights.

Live Menu Settings

This section explains the Tazer's Live Settings – these are activated with the same button presses as the Vehicle Setting, but while the engine is RUNNING. These features will only work if the Tazer remains plugged in.

Main Menu

- **Light Show** *"LightShow?"***:** 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.
- **Submenus:** Select a submenu to access further settings.

Submenus and their contents are listed in the next section.
- *"LivePerf?"* LIVE PERFORMANCE SUBMENU
- *"LiveSettings?"* LIVE STARTUP SUBMENU
- *"LiveLight?"* LIVE LIGHTING SUBMENU
- *"LiveRadio?"* LIVE RADIO SUBMENU
- **Display Tazer Firmware Revision:** Displays the Tazer's current firmware version: "TZ: x.x.x." (ie "TZ: 2.5.5")

Live Performance: LIVE performance options

- **PIN Lock** *"Set Pin?/Clear Pin?"*: This allows you to set a steering wheel button sequence which will be required for an operator to drive the vehicle. This is a complex security feature, requiring its own supplemental intruction sheet **on page 14.**
- **Brake Hold** *"BrakeHold"*: Set to ON, this will automatically hold your brakes after pressing the brake firmly for 2 seconds under these circumstances:
  - **not in a Tazer dashboard menu**
  - **at a full stop**
  - **your seatbelt is on**
  - **in drive**
- **Force AWD** *"ForceAWD"***:** Select Normal, Force RWD or Force AWD. You can change the setting at any time, but the change will only occur when the car is not in motion. **(AWD models only)**
- **Boost Gauge** *"BoostGg"***:** Set to ON, this will add the "boost" gauge to the dash and UConnect screens.

(2015-Present Charger/Challenger) While enabled, the air intake temp gauge will not read correctly. This gauge will report boost and vacuum on a supercharged car and vacuum only on a non-supercharged car.
- **Engine Mode** *"Eng"*[2]**:** Change the engine power mode. Choices are:
  - Auto (No change)
  - Sport
  - Track
  - Eco
- **Transmission Mode** *"Trans"*[2]**:** Change the transmission mode. Choices are:
  - Auto (No change)
  - Sport
  - Track
  - Eco
- **Key Power Mode** *"PwrMode"*[2]**:** Change the key level. **(Hellcat and Trackhawk only)** Choices are:
  - Auto (No change)
  - Red (Red Key Mode)

Black (Black Key Mode)

Valet (Valet Key Mode)

- **0-30 Timer** "**0-30**": **(2011 & 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** "**0-60**": **(2011 & 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.

Security/PIN Settings Submenu: adjustable security options

See the dedicated "PIN Lock Supplement" on page 13 to learn how to configure these advanced Tazer features.

Live Settings: LIVE startup options

- **Auto Stop/Start** "**SS Kill**": Set to OFF, this will disable the auto stop/start system. **(Grand Cherokee/Durango)**
- **AutoSport** "**AutoSport**"[1]: Set to ON, this will put the car in Sport mode every time it's turned on. **(2015+ SXT and RT)**
- **Start Mode** "**StDrv**": Set to Track, Sport, custom or Default to select the drive mode at startup. **(2016+ SRT/Hellcat/Scat-set-to-SRT)**

- **Trac Kill** "**Trac Kill**": Set to ON, this will automatically "press" the traction control button every time the vehicle is turned on. **(Grand Cherokee/Durango)**
- **Winch RPM** "**Winch XXXX**": Use left arrow and cruise +/- buttons to adjust Winch Mode RPMs, 1300-2000RPM. Use left arrow and cruise on/off to save the new setting. **(Grand Cherokee/Durango)**

Live Lighting: LIVE lighting options

- **Dark Mode** "**DarkMode?**": Set to ON, this will turn off vehicle lights. You must be parked with the engine running.
- "**RemRestart**": Set to ON, this will automatically

restart the vehicle once remote start times out after 15 minutes.
- **Pulse Brake Speed** "**PlsBrk**": Choose an option to enable and set the third brake light pulse speed.
- **Pulse Brake Number** "**PlsBrkNum**": Set the number of brake light flashes.

Live Radio: LIVE radio options

- **Set Video** "**Video?**"[1]: Select to cycle between camera and video inputs. Note the factory backup camera turns itself off between 8 and 20mph. **(2015-2016 Challenger/Charger)(2014-2017 Jeep GC/Durango)**
- **Set Radio Type** "**Radio**": Select correct radio type for your vehicle to allow for in-motion features like navigation or AUX video. This also allows for radio swaps. Standard

configurations: 2011-2014: RB5, 2015-16: RA4, 2017+: UAQ, 2023+ GC/Durango: UConnect 5.
- **Set In-Motion Nav** "**InMoNav**"[3]: Set to ON, this allows address entry while the vehicle is in motion. This is for PASSENGER use. It may be illegal for the driver to manipulate the navigation system while driving. **(All)** This will also allow for texting and changing drive modes in motion. **(RA3/RA4 radios only)** It is recommended to leave this setting OFF, enabling it only when you need to use it.

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:** This feature will use the ABS solenoids to lock the front wheels for a burnout. With the vehicle at a full stop press ◁/**BACK(HOLD) + CRUISE+**. Once the ABS light on the dash comes on and "Line Lock ON" displays on the EVIC, pump the brake pedal twice firmly and release. Then press the gas pedal, and the rear wheels will break traction. Brakes will release when both buttons are 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. **Force RWD must be enabled on a Grand Cherokee or Durango.**

- **Full ESP Disable/Enable:** This feature will disable or enable the ESP system entirely. With the vehicle at a full stop, **press and hold the ESP button for 5-7 seconds (20 seconds on 2015+)**. The ESP, BRAKE and ABS lights will illuminate to indicate that ESP and ABS are shut off. Repeat this button command to turn ESP back on. Be sure to re-enable before turning the car off as there is a potential for battery drain.

- **Sport Mode on 2015-Present Challenger/Charger:** After using the Tazer to enable Sport Mode on a vehicle with no "Sport" button, press **ESP + BACK (on console)** to turn SPORT on and off.

- **Set Camera[1, 3]:** Rather than using the menu to cycle cameras and video inputs, they can also be cycled by **quickly tapping the radio MUTE button twice**.

- **Auto Upshift:** The Tazer can automatically upshift for you at a programmable RPM when in AutoStick mode. The shift RPM is set to 6000 RPM by default and can be set to any value using the Z Automotive Programming Utility, though 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 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. You can also set Auto Upshift RPMs using steering wheel buttons. With the car in Park and engine not running, use **BACK(HOLD) + CRUISE+/-** to adjust shift RPMs. The 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) (2012-2014 5 speed only)**

- **Reset Adaptives:** Reset TCM adaptives at any time with ◁/**BACK(HOLD) + CRUISE On/Off** "Adapt Reset" will show on the EVIC screen.

- **Cluster Swaps:** The Tazer accommodates cluster swaps of 2015-17 clusters in 2011-14 Chargers and 300s. Press **CRUISE CANCEL + TRACTION CONTROL** to initiate the cluster swap code. Cluster swap code will run until the Tazer is unplugged. The **ARROW KEYS** control the EVIC. The "OK" input is **CRUISE+(HOLD) + ▷**.

- **Light Shows:** The Tazer has a number of button shortcuts to start Light Shows. Those are:

  Keyfob: Press **UNLOCK, UNLOCK, LOCK, UNLOCK** on the keyfob to 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: Press **High Beam Stalk Back + CRUISE+** to start the first light show in the sequence (depending on which show it's configured to start with). Press **CRUISE+** again to advance to the next enabled show. Press **High**

Beam Stalk Back + CRUISE+ to end the show. **AUX buttons or Adaptive Cruise buttons:** See the button remap instructions below. Press the remapped button to turn the Light Show on or off. **The light show will shut off if it's used for such a long time that the vehicle battery voltage drops below 11V.**

- **Cooldown Mode:** Press ▷ + CRUISE CANCEL to turn the engine fans on High.**(All)** Press again for intercooler pump only, again for fan Low and pump, again for fan High and pump, and again to turn them off. **(Hellcat ONLY) They will also turn off automatically if the battery drops to 10.8V.**

- **Remote Start Extend:** If RemRestart is enabled, you can remote start your vehicle an unlimited number of times in a row. **It may take up to 15 seconds after pressing the button for the vehicle to start again. This is due to the vehicle's slow computer.**

- **Button Remap:** HOLD Left Arrow (◁/BACK) and **TAP** the desired button to map a hotkey function to it. You can use the ACC buttons (if equipped), an "AUX" button bank (or Viper buttons for old style) or the SPORT button on 2016-17 Scat Packs. Simply **TAP the remapped button alone** to use the function. 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 Shortcut**
  - **All-4-Brakes-By-Button Launch**
  - **Cooldown Mode**

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

- **Partial Reboot:** Press ◁/BACK(HOLD) + **CRUISE RES** with the ignition engine OFF and the ignition in RUN to reset several systems including the PCM (engine adaptives), RF Hub, Instrument cluster, ABS, BCM.

These supplemental instructions apply to all vehicles equipped with:

Z AUTOMOTIVE — Electronic Performance Modifications

TAZER
Firmware **2.6.0-091823 or newer**

TAZER JL Mini
Firmware **11.4.6-XXXXX or newer**

TAZER DT
Firmware **18.2.5-XXXXX or newer**

PIN Lock Menu Supplement

The Tazer PIN Lock allows you to set a steering wheel button sequence (PIN) that must be entered before the vehicle can be driven and provides for the vehicle to become immobilized in the event of an attempted theft through triggering the PIN Lock, key pairing or triggering the factory alarm. This is the most complex feature of the Tazer and provides a high level of security against vehicle theft. This PIN will need to be entered when the vehicle is started or after you exit the running vehicle with your key.

List of Menu Options (in order):
"**Set PIN**" set the desired button sequence (PIN). Changes to "Clear PIN" once set

"**Clear PIN**" erase the PIN. Changes to "Set PIN" once selected

"**Enable/Disable PIN**" quickly disable or enable the PIN Lock feature without erasing the PIN. This enabled by default

"**KillPedalNow**" a "high-security parking mode" which will disable the gas pedal until the next time the PIN is entered

"**PIN Brakes**" toggle whether triggering the PIN Lock will lock all four brakes when the vehicle is stopped.

"**PIN Horn**" toggle whether triggering the PIN Lock will cause the horn to honk in a randomized pattern.

"**PIN Lights**" toggle whether triggering the PIN Lock will start a Light Show.

"**PIN Pedal**" toggle whether triggering the PIN Lock or vehicle alarm, or an attempt to pair a key, will disable the gas pedal. This will function regardless of PIN enable/disable.

"**KillByFob**" toggle whether locking the vehicle from the fob will disable the gas pedal.

"**Carjack**" toggle Carjack Mode, which triggers when the key exits a running vehicle. This requires that a PIN is set and that PIN is enabled.

"**PIN Clear Time**" set whether it should take 10 or 60 minutes to clear a forgotten PIN using the process described below. This is set to 10 minutes by default.

SPECIAL NOTE: The PIN Lock Bypass
You will not be prompted to enter your PIN if the vehicle is restarted before any doors are opened.

NOTE: If utilizing PIN Pedal, the vehicle may stumble or stall after entering your pin while the pedal is reenabled.

NOTE: See the "Customizing PIN Lock" section below for more details about the toggleable measures.

NOTE: The EVIC screen must be set to Audio for text related to the PIN Lock feature to display on the screen. PIN Lock will still operate as described otherwise.

NOTE: In any instance that the vehicle is immobilized by the Pin Lock feature, in the Wrangler 4XE, the motor will shut off and the vehicle will become stuck in Park instead of locking all four brakes.

Setting your PIN:

1. Select the "Set PIN?" option in the PIN Lock menu with ◁/BACK(HOLD) + CRUISE On/Off to begin the process.

2. Enter **a sequence of six buttons or fewer** that will allow the operator to drive the vehicle. The symbols in parentheses will appear on the screen to indicate the respective buttons. **Your button choices are:**

   - **Cruise + (+)**
   - **Cruise - (-)**
   - **Cruise Cancel (<)**
   - **Cruise RES (>)**

   and if you have Adaptive Cruise Control

   - **Near ACC (N)**
   - **Far ACC (F)**
   - **ACC Enable (A)**

   Hitting a seventh button will abort the process and allow you to start over.

3. **Save your PIN with CRUISE On/Off**. "Pin Saved" will display.

After turning the vehicle off, this PIN will now be required to drive the vehicle and **"Set PIN?"** will change to **"Clear PIN."** Additionally, **any attempt to pair a new key will now disable the gas pedal** until reenabled from the menu or by entering the PIN.

Removing the PIN:
1. Start yourt vehicle and enter your PIN.
2. Navigate to the PIN Lock menu and select **"Clear PIN."**
After turning the vehicle off, the PIN will no longer be required to drive the vehicle and **"Clear PIN?"** will change to **"Set PIN."**

If you forget your PIN:
To remove the PIN Lock after the PIN Lock is triggered:

1. Select **"Clear PIN"** from the PIN Lock menu. The dash screen will read **"Brake+Hazard."**

2. Turn on your hazard lights and apply the foot brake. By default, this will trigger a 10-minute countdown.

3. Keep the vehicle running and your foot on the brake until this countdown is finished and the PIN Lock will be removed.

Starting your vehicle with the PIN Lock active:

1. A 40-second countdown will begin, displayed on the cluster, and the trunk will lock.

2. The dashboard turn signal indicators will blink slowly and click.

3. If PIN Pedal is enabled, at 5 seconds, the gas pedal will be disabled.

4. At 0 seconds, the PIN Lock will trigger.

Entering your PIN:

1. Enter your pin before the countdown ends and before shifting out of Park to disarm PIN Lock and begin operating the vehicle.

2. Enter your pin while the PIN Lock is already triggered to disarm the PIN Lock and begin operating the vehicle.

3. If you make a mistake, pause for two full seconds or press **CRUISE On/Off** to start over.

The signal indicators will click each time a button is pressed. Once the correct PIN is entered, the indicators will click twice and the cluster will display **"PIN Unlocked."**

What happens when PIN Lock is triggered?:
If PIN Brakes, Horn, Lights and Pedal are enabled:

1. A Light Show will begin.

2. The horn will honk in a random pattern.

3. All four brakes will lock up.

4. The gas pedal will be disabled.

These individual measures can be enabled or disabled using their respective PIN Lock Menu options.

What triggers the PIN Lock?:

1. failure to enter your PIN before the PIN countdown ends

2. shifting out of Park before the PIN countdown ends (from vehicle start)

3. whenever the vehicle stops with a carjacking in progress (from Carjack Mode, see below)

Carjack Mode:
With a PIN set and enabled, when the vehicle is running and you leave the vehicle with the key and close the door, Carjack Mode will be initiated.

1. Once the vehicle starts moving again, a 20-second PIN countdown will begin.

2. At 10 seconds, the dashboard turn signal indicators will blink slowly and click.

3. At 5 seconds, the gas pedal will be disabled.

4. Once the vehicle comes to a stop, PIN Lock is triggered.

5. Enter the PIN at any point during this process to unlock the vehicle and return to normal operation.

Note: If enabled alongside PIN Lock, the dashboard turn indicators will blink slowly and click every time the driver door is opened as a reminder that Carjack mode will be inititated if you exit the running vehicle with the key.

Customizing PIN Lock:
The following menu options can be used to change the behavior of PIN Lock:

- "**PIN Brakes**" toggle whether triggering the PIN Lock will lock all four brake when the vehicle is stopped. This is disabled by default.

- "**PIN Horn**" toggle whether triggering the PIN Lock will cause the horn to honk in a randomized pattern. This is disabled by default.

- "**PIN Lights**" toggle whether triggering the PIN Lock will start a Light Show. This is disabled by default.

- "**PIN Pedal**" toggle whether triggering the PIN Lock or vehicle alarm, or an attempt to pair a key, will disable the gas pedal. This is disabled by default.
  Note: This setting will remain in effect even if PIN Enable has been turned off. The pedal will also be disabled if the vehicle alarm is triggered or a key pairing is attempted.
  Note: While the pedal is disabled, several warning chimes and lights will trigger as if there are vehicle errors. If the pedal is reenabled while the vehicle is running, the engine may stumble or stall.

- "**KillByFob**" toggle whether locking the vehicle from the fob or door will disable the gas pedal. This is disabled by default.
  Note: The exterior lights will flash two additional times to confirm the pedal has been disabled/enabled.
  Note: **ONLY unlocking from the same fob** used to lock the vehicle or in use when locked from the handle will reenable the pedal.
  Note: This setting will remain in effect even if the PIN function has been turned off.
  Note: If the vehicle is unlocked with the key or proximity entry using a different fob, the PIN will need to be entered even if the PIN Lock has been turned off with the "Enable/Disable PIN" option.

- "**Carjack**" toggle Carjack Mode, which triggers when the key exits a running vehicle. The is disabled by default and requires that a PIN is set and that PIN is enabled.

- "**PIN Clear Time**" set whether it should take 10 or 60 minutes to clear a forgotten PIN using the process described above. This is set to 10 minutes by default.

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 6. 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 8.
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 to present 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 page 6.
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 andcruise 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.