

CRITICAL Information

For Owning and
Operating Your



Z AUTOMOTIVE
Electronic Performance Modifications

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Button Shortcuts • FAQs • Helpful Links • Required Knowledge

Menu Navigation

- The Tazer menu is accessed **ONLY** from the **AUDIO** page of the **dashboard EVIC** screen
- Ignition must be in the **RUN** position (press twice with your foot off the brake)
- **Engine off** = **VEHICLE SETTINGS MENU** • **Engine running** = **LIVE MENU**

Function	Button Input
OPEN MENU/SCROLL MENU (Starting from "LightShow?")	◀ (HOLD) + CRUISE CANC (TAP)
SELECT/CHANGE MENU OPTION or SAVE VALUE (TIRE SIZE, GEAR RATIO, TPMS THRESHOLD, ETC.)	◀ (HOLD) + CRUISE ON/OFF (TAP) Access Vehicle Settings submenus after selecting " Marry. "
ADJUST VALUE (TIRE SIZE, GEAR RATIO, TPMS THRESHOLD, ETC.)	◀ (HOLD) + CRUISE SET +/- (TAP) Remember to SAVE the value with the command above.

When finished making changes in the **ENGINE-OFF "Vehicle Settings"** Menu, **one Full Reboot AND two sleep cycles are required.**

[Click here for a video!](#)

These settings will remain when the Tazer is unplugged!

One Full Reboot and Two Sleep Cycles

1. Move the vehicle to **level ground** with the **wheels straight** and keep your **foot off of the brakes**.
2. **Select "Full Reboot?"** from the menu and wait for the countdown to complete.
3. **Perform a sleep cycle exactly as follows:**
 - a. turn the ignition off
 - b. open and close the driver's door (optional, makes vehicle sleep faster)
 - c. wait for all instruments to go dark (sleep)
 - d. after instruments go dark, wait 60 seconds
 - e. turn the vehicle back on (to ACC or RUN, no need to start the engine)
4. **Repeat step 3** one more time.
5. **If tire-related changes were made, immediately** follow this with a **20 minute drive**, preferably at highway speeds, so that all of the sensors adjust.

NOTE:

THE CODES U0168 AND U1514 AND INCORRECT TEMPS ARE NORMAL AFTER UNPLUGGING THE SGW WIRES OR DOING A FULL REBOOT AND WILL GO AWAY AFTER SOME DRIVING. IF YOU'RE SEEING OTHER CODES OR THEY DON'T GO AWAY, THAT GENERALLY INDICATES A MISCONFIGURATION SUCH AS MISSED SLEEP CYCLES.

LIVE SETTINGS and FEATURES

do not require a Full Reboot or sleep cycles, and only work when the Tazer is PHYSICALLY CONNECTED TO THE VEHICLE!

Return to Stock/Prior Configuration (UNMARRY)

Return your vehicle to stock/prior configuration along with the Tazer's Vehicle Settings (but not Live Settings) by selecting "**Unmarry?**" NOT "UnmryNo" from the Vehicle Settings menu and waiting for the countdown. Then perform a Full Reboot and two sleep cycles.

- This is always the first troubleshooting step when there are errors after configuration. Starting fresh and making sure all configuration steps were followed is key!
- Simply remove the Tazer to remove Live Settings and Functions.

UNMARRY and REMOVE the Tazer before dealer service.
And remember to **plug the SGW back in** or your radio won't turn on!

**DO NOT USE YOUR TAZER
WITHOUT READING THIS PAGE** 😊



Print this page and
keep it in your vehicle!

[Click here for the one page version](#)

NOTE:

IF YOU ARE MISSING THE DASHBOARD "AUDIO" PAGE, USE THE DASHBOARD "SCREEN SETUP" MENU TO ADD AUDIO TO "FAVORITES."

Firmware Updates

Update your firmware by removing the Tazer from your vehicle, connecting the included USB cable to your Windows or Mac computer, installing the Z Automotive Programming Utility, opening it, and selecting "Update."

[Click here to download ZPU!](#)

You do not need to Unmarry the Tazer before an update or upgrade.

- We recommend checking for updates when your Tazer arrives! Firmware is released a few times a year.
[Click here to check the Update News for your Tazer.](#)
- Replace lost or damaged USB cables with a common "USB mini-B" data/charging cable.
- Trouble updating? [Click here for additional steps that might help.](#)

Live Function Shortcuts

Function	Button Input
Light Show from Keyfob	Unlock, Unlock, Lock, Unlock
Cooldown Mode	▷ (HOLD) + CRUISE CANC (TAP)
Winch Mode	◀ (HOLD) + CRUISE RES (TAP)
Anchor Mode	Brake Firmly + Pull High Beam Stalk
Line Lock	◀ (HOLD) + CRUISE "+" (TAP) Pump Brakes Firmly x 2 (Keep at least one button held)
Rock Crawl	◀ (HOLD) + CRUISE "-" (TAP) Pump Brakes Firmly x 2 (Keep at least one button held)
Traction Control Disable	Traction Control (Hold 5 Seconds) Traction Control (Double-Tap) to toggle between 2WD and 4WD
Cycle Camera Inputs	Mute (Quickly Double-Tap)
Turn Assist	Turn Wheel to Lockout, then Tap Remapped Button
Button Remap	▷ (HOLD) + CRUISE +, -, or RES (TAP)
Partial Reboot	◀ (HOLD) + CRUISE RES (TAP) (With engine OFF)
Windows from Keyfob	DOWN: Unlock x 5 (Quickly) UP: Lock x 5 (Quickly)

Contact Us!

Feel free to reach out with any questions! **Email is preferred since we often need to send links and written steps.**

- Email: support@zautotech.com
- Text Message: (833) 432-3549

Hours: M-F
9AM-4:30PM EST

Tazer DT

User's Guide

For Firmware 18.2.8 - 102925

The **Tazer DT** (P/N: z_tz_jlm) is a DIY features programmer for the following vehicles:

2018-2024
Dodge Ram 1500 DT
Dodge Ram 1500 TRX

What's in the box?



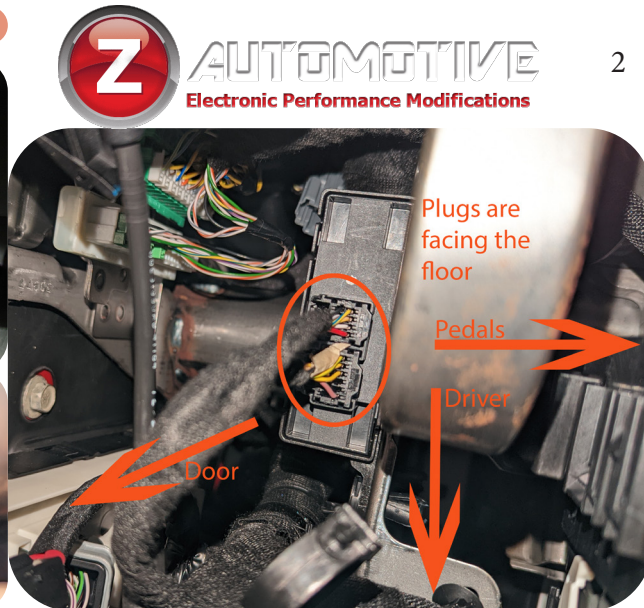
Contents

CLICK or TAP to jump to section
or

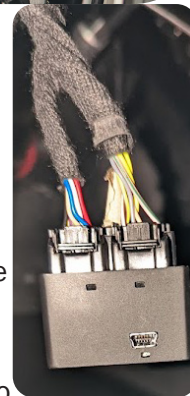
Use **CTRL + F** (Windows) or **⌘ + F** (MacOS) **to search** the document

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Installation



- Unplug the two SGW connectors **circled in orange** by pressing the tab with your index finger and gently pulling straight down on the wires.
 - Plug those two connectors into the Tazer DT.
 - The driver knee panel may be removed for easier access to the connectors.
 - The Tazer DT can be left plugged in, as many of its features (Live Functions) only work when plugged in.
 - We offer an optional [SGW Extension Cable](#), available from our website. Install it in the now-vacant SGW ports
- for easier access when removing the Tazer for dealer service. **Remember to reconnect the SGW plugs** to their factory location or the extension when you remove the Tazer!
- The Tazer DT will go to sleep and stop blinking 30 seconds after the truck shuts down.



The Tazer DT fits ALL models of the Ram DT and TRX through model year 2024.

If one of the plugs doesn't fit, **YOU'RE LOOKING AT THE WRONG PLUGS** (usually the amplifier).

The next step is to **Marry the Tazer to your vehicle**. Refer to the previous Critical Information page and the following list of menu items. **Marrying does not change any settings.**

Only change a Vehicle Setting when you've made a relevant change to your vehicle.

Example: Only change the "CamEn" setting if you are **ADDING** a backup camera. There's no reason to change that setting if you already have a backup camera.

Features and Menus

Tazer DT features are broken into three categories:

- **Vehicle Settings** are accessed with the **Tazer Married** to your vehicle, **engine OFF** and **ignition in the "RUN" position**. These are programmed changes such as tire size and gear ratio, or which accommodate added hardware. **These remain when the Tazer is unplugged.**
- **Live Functions** are accessed with the **Tazer Married or Unmarried** and the **engine ON**. These are operations the Tazer DT 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 DT performs live, only while it is physically connected.



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 on your dash. Actual menu text is noted in quotes.**

For Vehicle Settings in the “Perf” and “Tire” submenus, **don’t forget to “SAVE”** number values before the **required Full Reboot and two sleep cycles**. Immediately follow with a **20 minute drive**, preferably at highway speed. **This process will ensure that all tire sensors recalibrate.** **An additional tire size relearn procedure is required on Manual Transmission vehicles. Click this link for those steps.**

Main Menu

- **Light Shows “LightShow?”:** Cycle through 6 preset and 3 make-your-own light shows that flash the exterior lights – perfect for car shows/first responders/off-road visibility – can also be 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) [Custom Light Shows can be configured in the ZPU software.](#)
- **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 submenus, 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 to be restored when you Unmarry. This should take around 15 seconds.
Do not disturb this process.
This option will change to “Unmarry” once Married. See Critical Information for details.
If the Tazer is already Married to a different vehicle, this option will read “NOT VIN.” See page 8 for details.
- **Submenus:** Once married, you can advance through several sub-menus. Select a submenu using the method described above.
 - “Perf?” PERFORMANCE SUBMENU
 - “Tire?” TIRE SUBMENU
 - “Radio?” RADIO SUBMENU
 - “Light?” LIGHTING SUBMENU
 - “Offroad?” OFFROAD SUBMENU
 - “Other?” OTHER SUBMENU

Firmware Version Display “TZDT: x.x.x.”:

Shows the running Tazer firmware revision.

Unmarry Number “UnmryNo: XXXX”:

Shows the current “Unmarry Number.”

This is not the same as “Unmarry?” and is only used when the Tazer is Married to a different vehicle. See page 8 for details.

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 (engine-OFF menu) are changed. Follow with two sleep cycles as described on the Critical Information page.

Performance Submenu “Perf”

Tire and Performance Options

- **Set Tire Size “Tire”:** This setting will change the programmed tire diameter. Use the hand-measured height in inches for accurate sensor readings.
- **Set Gear Ratio “GrRatio”:** This setting will change the programmed gear ratio.
- **Set Transfer Case LOW Ratio “4Low”:** This setting will change the programmed 4Lo gear ratio.

TPMS Submenu “Tire”

TPMS Options

- **Set TPMS “TPMS”:** Set to Off to disable tire pressure monitoring system type – good when using drag radials or winter tires when the sensors aren’t present anyway.
- **Set Tire Pressure “PSI Front/Back”:** This setting changes the TPMS warning pressures.
The Truck’s computer can only recognize a minimum of 25 PSI.

Radio Submenu “Radio”

Radio-Based Options

- **Set Backup Camera “Cam En”:** This setting enables a **newly-added** factory backup camera.
- **Set Cargo Cam “CargoCam” (8.4 or 12.1” radio only):** This setting will add the Cargo Cam selector to the camera view and activate the input for use with a Z Automotive front camera, AV kit, **OR** HDMI-AV Kit. **You may only use one.**
- **Set DVD/CD “DVD_CD”:** This setting activates the CD input on the radio, for use as an aux input, particularly for the Z Automotive AV or HDMI-AV Kit.
- **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)
 - OFF** (disabled).
- **Set DRL Location “DRL Loc”:** Choose which lights to use as DRLs (results vary with vehicle model) - choices:
 - DRL**
 - Turns**
 - Low beams**
- **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.
- **One-touch “OneTouch”:** enable/disable one-touch lane change
- **Set Halo Enable “Halo En”:** enable/disable factory halos
- **Set LED Third Brake Light “LED CMHSL”:** configure vehicle for LED third brake light



- **Set LED Fogs “LED FOGS”:** configure vehicle for LED fog lights
- **Set LED Tails “LED Tails”:** configure vehicle for LED tail lights (**aftermarket lights may require a resistor harness**)
- **Taillight Type “TailType”:** configure taillights for overseas conversion Choose US/EU.
If you are unable to restore the default value, you should Unmarry as described in Critical Info to return to stock.
- **Set LED Front Turn “LED FTnn”:** configure vehicle for LED front turn signals For this setting, after the required [Full Reboot and two sleep cycles](#), run each blinker for **20 seconds each**. If this does not clear hyperflash and you have **aftermarket lights**, your lights **might require a resistor harness**.
- **Set Blind Spot “BlindSpot”:** Set to YES, this configures the vehicle for Blind Spot Monitoring.
- **Side Step “PwrStep”:** Set to YES, this setting will activate a newly-added MOPAR powered side-step (Mopar Deployable Step Kit 82215287AD).
- **Trailer Brake “TrlrBrk”:** This setting will activate a newly-added MOPAR trailer brake controller.
- **Set Seatbelt Ding “BeltDing”:** Set to OFF, this will disable the chime when your seatbelt is off. The seat belt warnings on the dash will continue to function.
(EXPERIMENTAL) Always wear your seatbelt.
- **Set Splash “Splash”:** With this setting you can choose the cluster splash screen.
There are many choices but not all will work, and some may set an error. Unmarry with a Full Reboot and two sleep cycles if this setting gets stuck. TRX can only use the TRX splash.

Offroad Submenu “Offroad” Offroading Options

- **Set Trailer Tow “TRLR Tow”:** Configure the vehicle for MOPAR trailer towing wiring kit
- **Set EPSteer “EPSteer”:** This setting is used if you deleted the factory electronic steering pump for a hydraulic pump.
- **Set LOCKER “Locker”:** This setting is used if you deleted the factory axle lockers. You can delete **front only**, or **both**.
- **Set Panic “PanicBtn”:** Set to NO, this disables the PANIC button on the keyfob.
- **SGW Lock “SGW”:** Set to NO, this allows access through the security gateway for dealer tools.
Use this feature only if you know your dealer doesn’t mind aftermarket mods. Otherwise, you should Unmarry and remove the Tazer before dealer service.

Mirror Submenu “Mirror” Mirror Options

- **Set Power Mirrors “PwrFold”:** Set to YES, this activates newly-added MOPAR power folding mirrors.
- **Set Mirror Turns “MirTurn”:** Set to YES, this activates newly-added side-mirror turn signals.
- **Set Mirror Tow “MirTow”:** Set to YES, this activates newly-added mirror tow lights.
- **Set Mirror Approach “MirApr”:** Set to YES, this activates newly-added approach mirror lights.

Other Submenu “Other” Additional Vehicle Settings

- **Set AUX “AUX”:** Set to YES, this configures the vehicle for the AUX button package.

Live Menu Settings

The **Live Menu** is accessed using the **same button presses** as the Vehicle Settings menu, but **with the engine RUNNING.*** The menu items are listed in the order in which they will display.

LIVE MENU SETTINGS DO NOT REQUIRE A FULL REBOOT OR SLEEP CYCLES AND ARE NOT REMOVED WHEN YOU UNMARRY!

When using TurnCam or the Mute shortcut, **avoid turning the camera off using the on-screen "X."** Instead, wait for the TurnCam to turn off after your signal or use the Mute shortcut again to turn the camera off.

Main Menu

- **Light Shows "LightShow?":** Cycle through 6 preset and 3 make-your-own light shows that flash the exterior lights – perfect for car shows/first responders/off-road visibility – can also be 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**) [Custom Light Shows can be configured in the ZPU software.](#)
- **Security Settings "Security/PIN?":** Select this to enter the Security Settings submenu which includes the the adjustable options listed in the dedicated [PIN Lock Supplement on page 7.](#)
- **Live Settings "LiveSettings?":** Select this to enter the Live Settings submenu which includes the the adjustable options listed in the next section.
- **Winch RPM "Winch XXXX":** Select this option to adjust the Winch Mode RPMs between 1300 and 2000. **Remember to SAVE the value.**
- **TireFill "TireFill?":** Select a PSI and the marker lights near each tire will
 - flash slowly if underfilled
 - flash quickly if overfilled
 - remain solid at the correct pressure

• **Dark Mode "DarkMode?":**

Select to turn off vehicle lights.

Advance to the next menu item, press "Screen Off," or drive over 5 mph to cancel this mode.

• **Set Video "Video?":** Select to cycle between camera and video inputs.

• **0-30 Timer "0-30":** Select this option with the vehicle stopped and the display will change to "start 30." As soon as the vehicle starts moving, the display will change to "go to 30" and the timer will start. When the vehicle reaches 30MPH, the time will be displayed.

• **0-60 Timer "0-60":** Select this option with the vehicle stopped and the display will change to "start 60." As soon as the vehicle starts moving, the display will change to "go to 60" and the timer will start. When the vehicle reaches 60MPH, the time will be displayed.

• **Force RWD "ForceRWD":** 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.

NOT SUITABLE FOR DYNO USE.

• **Firmware Version Display "TZJL: x.x.x.":** Shows the running Tazer firmware revision.

LIVE Settings Submenu "LiveSettings"

Adjustable LIVE Options

• **"Brake Hold":** 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

• **Set In-Motion Nav "InMoNav"**

(**excl. UConnect 5**): 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. **It is recommended to leave this setting OFF,** enabling it only when you need to use it.

This will automatically be disabled if TurnCAM is enabled.

• **"TurnCam" (excl. UConnect 5):** Set to yes, this will automatically turn on the backup



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camera if the turn signals are being used.

This will automatically be disabled if In-Motion Nav is enabled.

Settings are:

Off

5/7 - for 5" or 7" UConnect radio

8.4 - for 8.4" or 12.1" UConnect radio

• **"Kill3Honk":** Set to yes, this will disable the honks that sound when leaving the running vehicle with the keys.

• **"ParkCam" (excl. UConnect 5):** Set to yes, this will automatically turn on SurroundView and the front camera when front ParkSense is triggered.

• **"AutoFold" (excl. UConnect 5):** Set to yes, this will automatically retract and extend the power folding mirrors (if equipped) with ignition.

• **"AmberDRL":** This setting will override factory DRLs with amber DRLs and marker/hood lights. Options include:

Day (on with headlights off)

Night (on with headlights on)

Both (on full-time)

• **AutoPark Kill "AP Kill":** Set to yes, this will automatically disable the AutoPark feature when the vehicle is turned on and foot is on the brake. For safety, this will be disabled past 30mph and will reenable when the vehicle is put in Park.

• **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.

Non-Menu Live Functions

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

- **Light Show Shortcuts:** The Tazer DT has three 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.

Steering Wheel: Press **HIGH BEAM STALK (PULL) + CRUISE+** to start the first light show in the sequence. Press **CRUISE+** to advance to the next enabled show.

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 (excl. 4XE):** Press **▷ + CRUISE CANCEL** to turn the engine fans on High. **Press again to turn them off.**

NOTE: When the engine is off, the fans will turn off automatically if the battery drops to 11V.

NOTE: The transmission temperature will read as 229F while this mode is being used with the engine running.

- **Winch Mode (excl. 4XE and Diesel):** Press **◁/BACK(HOLD) + CRUISE RES** to raise the idle RPMs to the value selected in the live menu (default 2000). There may be a few-second delay before it changes. Touching the accelerator will cancel Winch Mode.
- **Anchor Mode (excl. 4XE) (REQUIRES Brake Hold to be ON):** This feature locks all four brakes until the accelerator is pressed. To activate, **BRAKE FIRMLY +**

PULL HI-BEAM STALK. This works in conjunction with Winch and Cooldown Modes.

- **Line Lock: Hold Traction Control to put the vehicle in 2WD, turn on the rear locker and at a full stop, press **◁/BACK(HOLD) + CRUISE+**.** Once the ABS and Brake lights on the dash begin to flash, continue to hold the buttons and pump the brake pedal twice firmly and release. The truck will stay held using only the front brakes while you press on the accelerator to do a burnout. "LineLock" will be displayed in the cluster. **This will automatically force RWD.**

- **Rock Crawl:** This feature holds all four brakes while you work the pedals to apply torque. Press and hold **◁/BACK(HOLD) + CRUISE-** and pump the brakes twice. Once "RockCrawl" shows on the EVIC, release the buttons when you're ready to start moving.

- **TC Kill: PRESS AND HOLD THE TRACTION BUTTON FOR 5 SECONDS** to fully disable Traction Control, Stability Control and ABS. Shut off and restart the truck to reenable. **This will force the vehicle into 2WD. DOUBLE-TAP TRACTION** to toggle between 2WD and 4WD.

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

- **Button Remap: HOLD Right Arrow (▷) + TAP Cruise Set+/Set-/RES** (whichever button desired) to cycle through hotkey options. **Release both buttons to complete the mapping.** Simply **TAP the remapped button alone** to activate the function. The choices are:

- Any of the 9 light shows
- rear camera
- TC Kill
- Line Lock
- Rock Crawl
- Turn Assist: **TURN THE WHEEL TO LOCKOUT, THEN PRESS THE REMAPPED BUTTON** to lock the inside back tire for sharper turns.
- Winch Mode
- Cooldown Mode
- Rear/Front+Rear Lockers: mimic the behavior of the locker switches



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- **SwayKill:** disconnect the sway bar and keep it disconnected at any speed
- **Dark Mode**
- **ForceRWD**

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

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

- **Windows from Keyfob: Tap UNLOCK x 5** for down **LOCK x 5** for up.

NOTE: For this feature to work with the engine off, enable a Key Off Delay in your factory UConnect menu.

- **Drive Mode Memory:** The Tazer DT will **automatically** remember the currently selected Drive Mode when you turn the vehicle off.



PIN Lock Supplement

For Firmware 18.2.3 - 041723 or newer

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 from the ignition button or via remote start on a different keyfob than the one it was locked with
- within 20 seconds after exiting the running vehicle with your key (if Carjack Mode is enabled)

NOTE: PIN Lock Bypass

FOR CONVENIENCE, YOU WILL NOT BE PROMPTED TO ENTER YOUR PIN WHEN:

- PedalKill is enabled and the vehicle is unlocked from fob.
- the vehicle has been turned off but has not gone to sleep yet before being started again.
- KillByFob is active and the vehicle has been remote started from the same keyfob used to lock it.
- the PIN En setting is turned off.

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: 2011 vehicles will show "Keyfob Battery Low" instead of "Keyfob Not Detected" during dashboard reminders.

REMEMBER: PIN Lock is a LIVE FEATURE and is **not affected by Marrying or Unmarrying**. To remove your PIN, remove the Tazer before starting the vehicle or Clear it with the steps listed.

Don't forget to remove your PIN for service, carwash, valet, etc.



NOTE: For best results, stow the Tazer in a place where it is not likely to be removed intentionally or accidentally. We recommend the [Z Automotive Tazer Shield](#) as an added level of security.

Security Submenu "Security/PIN"

Adjustable Security Features

- **"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 "Pin EN"** quickly disable or enable the PIN Lock feature without erasing the PIN. **Enabled by default**
- **"KillPedalNow"** select to enable/disable gas pedal manually. Allows for 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. **Disabled by default**
- **"PIN Horn"** toggle whether triggering the PIN Lock will cause the horn to honk in a randomized pattern. **Disabled by default**
- **"PIN Lights"** toggle whether triggering the PIN Lock will start a Light Show. **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. **Disabled by default**

NOTE: vehicle may stumble or stall while the pedal is reenabled. Avoid this by entering your PIN with the ignition in RUN before starting the engine.

NOTE: will remain in effect even if PIN Enable has been turned off.

NOTE: While the pedal is disabled, several warning chimes and lights will trigger as if there are vehicle errors.

- **"KillByFob"** toggle whether locking the vehicle from the fob will disable the gas pedal. **Unlock with the same keyfob to reenable the pedal. Disabled by default**

NOTE: lights will flash two additional times to confirm the pedal has been disabled/enabled.

NOTE: will remain in effect even if PIN En is off.

NOTE: PIN will need to be entered if unlocked using a different fob even if the PIN En is turned off

- **"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. **Disabled by default**

NOTE: Read the dedicated Carjack Mode section below closely before enabling.

- **"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 60 minutes by default.

Setting your PIN

1. From the **ENGINE-RUNNING "Live Settings"** Menu, select **"Security/PIN?"**
2. Select **"Set PIN?"**
3. Release all buttons, then enter a **one to six button sequence** that will allow the operator to drive the vehicle. **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.

Finalize and 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."**

Starting your Vehicle with PIN Lock Enabled

1. a 20 second countdown will begin
 2. the green parking light icon will blink
 3. the dashboard turn indicators will blink and click
- Enter your PIN and the countdown will stop. The dashboard screen will read "PIN Unlocked."**



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Failure to Enter your PIN

Scenario 1: The countdown runs out.

1. If enabled, PIN Brakes will kick in.
2. The interior ABS light will flash to remind you to enter your PIN without bringing attention to the vehicle.

Scenario 2: You shift into gear.

1. All enabled "PIN *" settings will kick in. (PIN Brakes, Horn, Lights, Pedal)

Enter your PIN and the PIN Lock will disengage. The dashboard screen will read "PIN Unlocked."

Carjack Mode

If Carjack Mode is enabled and the key is removed from the running vehicle, once the vehicle starts moving again, the vehicle will continue to be fully operable for 20 seconds. If the PIN is not entered within those 20 seconds:

1. At 10 seconds, "Keyfob Not Detected" will appear on the dash as a reminder.
2. At 5 seconds, if enabled, PIN Pedal will kick in.
3. Once the vehicle comes to a stop, all enabled "PIN *" settings will kick in. (PIN Brakes, Horn, Lights, Pedal).

Enter your PIN and the PIN Lock will disengage. The dashboard screen will read "PIN Unlocked."

Note: If PIN is enabled (PIN En), there will be an **audible chime** and **"Keyfob Not Detected"** on dash to remind you that Carjack Mode is active.

Removing your PIN

1. Start the vehicle and enter your PIN
2. Navigate to Security submenu 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 (or Purchased a Tazer with an Active PIN Lock)

1. Allow PIN Lock to trigger by letting the countdown run out or shifting into gear.
2. Navigate to LIVE Security Submenu and select **"Clear PIN?"** The dash screen will read **"Brake + Hazard."**
3. Turn on your **hazard lights** and press **and hold the brakes**. By default, this will trigger a 60-minute countdown.
4. Keep the vehicle running and your foot on the brake until this countdown finishes and the PIN Lock will be removed.

The Unmarry Key

This feature is **ONLY** for when your Tazer is Married to a different vehicle.

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

1. Navigate to the “UnmryNo:” option in the ENGINE-OFF Vehicle Settings menu and write down the 4-character Unmarry Number.

The Unmarry Number can also be found in “Unmarry” tab on the “Update” screen of the ZPU update software by clicking “Request.” Be sure you’re in the “Unmarry” Tab rather than the Upgrade Tab.

2. Visit this URL to purchase an Unmarry Key, where you’ll be prompted to enter that Unmarry Number. <https://www.zautomotive.com/products/unmarry-key>

Be sure to enter the correct Unmarry Number or your Unmarry Key WILL NOT WORK.

3. Once your purchase is complete, you’ll receive a confirmation email containing your Unmarry Key. If it doesn’t arrive within 10 minutes, check your SPAM folder. If it’s not there either, email us at support@zautotech.com with your order number and let us know!
4. There are two ways to enter your Unmarry Key:
 1. Computer: Plug the Tazer in over USB, then head to the “Unmarry” Tab on



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the Update screen of ZPU. Enter the key in the lower text box and click “Activate.” There will be a short count-down, followed by a “Successful” message.

2. In Vehicle: Navigate back to the “UnmryNo:” option and select it (◀ (HOLD) + CRUISE ON/OFF). You will be prompted to enter the Unmarry Key. Enter each character with ◀ (HOLD) + CRUISE SET +/-, followed by ◀ (HOLD) + CRUISE ON/OFF to confirm and proceed to the next character. Once the last character is confirmed, the dash will read “WIPED.”

Common Troubleshooting

Symptom	Cause	Solution
No menu in EVIC	Display or ignition in incorrect state or firmware flash required.	Confirm ignition in RUN, not ACC, with dash on AUDIO and that you're HOLDING Left while TAPPING Cruise Cancel. If that doesn't do it, try running through the steps here to do a clean re-flash of the firmware: https://www.zautomotive.com/fixmytazer
Changed a setting and it didn't take effect	Value was not “SAVED” and/or Full Reboot and 2 sleep cycles were not performed	Follow the directions on page 1 .
Changed gear ratio and “service AWD” is showing	Incorrect gear ratio chosen or Full Reboot and 2 sleep cycles were not performed	Follow the directions on page 1 and go for a short drive to fully initialize.
LED Turn signals are hyperflashing	Needs Full Reboot, 2 sleep cycles and calibration	Follow the directions on page 1 . Then run each turn signal for 20 seconds.
Red security light on, ignition state won't change or vehicle won't start	Needs time to complete synchronization routine after configuration change	Wait a few minutes and then try changing ignition state, then perform one sleep cycle.
Winch Mode will not turn off.	If you are using a Pedal Commander, it may interfere with Winch Mode turning off.	Remove the Pedal Command, turn Winch Mode off, the reconnect the Pedal Commander.
Changed tire size past 35” in a 2021+ vehicle and received errors related to ParkSense.	2021+ DTs have a manufacturing defect unrelated to the Tazer which causes these errors after tire size changes. This affects even dealers.	We created the ParkSense Fix for this issue. Click here for more info.
TurnCam or ParkSense gets stuck or doesn't work AND/OR NavInMotion does not work and prevents all navigation entry, even when stopped.	Those features are not compatible with the newer UConnect 5 radio at this time.	Set TurnCam, ParkSense and NavInMotion to OFF

Z Automotive cannot be held responsible misuse or consequential damages.

If you are in doubt, email 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.