CRITICAL Information

For Owning and Operating Your TAZER Mini JL

Z AUTOMOTIVE Electronic Performance Modifications

Button Shortcuts • FAQs • Helpful Links • Required Knowledge

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."

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!

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
Bed Lights from Keyfob (Gladiator)	Unlock x 3 (Lock x 1 to turn off)
Bed + Reverse Lights from Keyfob (Gladiator)	Unlock x 5 (Lock x 1 to turn off)
Cooldown Mode	▷ (HOLD) + CRUISE CANC (TAP)
Winch Mode (excl. 4XE and Diesel)	◁ (HOLD) + CRUISE RES (TAP)
Anchor Mode (excl. 4XE and Diesel)	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)
Auto Stop/Start Disable	Press factory Stop/Start button to turn it off and Tazer will automatically remember on restart.
Auto Traction Control Disable	Press factory Trac button to turn it off and Tazer will automatically remember on restart.
License Plate Light Blanking (Gladiator)	Tazer will automatically turn off license plate lights when in reverse to reduce camera glare.

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 JL Mini User's Guide

For Firmware 11.4.7 - 10292025

The Tazer JL Mini (P/N: z_tzr_jlm) is a DIY features programmer for the following vehicles:

2018-Present
Jeep Wrangler JL
Jeep Gladiator JT
Jeep Wrangler 4XE

What's in the box?



- Tazer JL Mini
- USB Mini-B Cable

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

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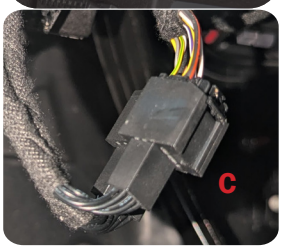
Installation


Pictured: 2024 Wrangler 392 with knee panel removed and SGW plugs in factory position


Pictured: 2026 Gladiator Rubicon with knee panel removed and SGW plugs disconnected

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





The Tazer JL Mini fits ALL models of the Wrangler JL, Wrangler 4XE and Gladiator JT. If one of the plugs doesn't fit, YOU'RE LOOKING AT THE WRONG PLUGS (circled in red).

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 JL Mini 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 JL Mini 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 JL Mini performs live, only while it is physically connected.

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 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 procedured 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)**
  - Emissions Readiness **(Ready)**
- **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 though 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** "**TZJL: 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** "**4 Low**": This setting will change the programmed 4Lo gear ratio.

TPMS Submenu "Tire"
TPMS 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 Pressure** "**PSI Front/Back**": This setting changes the TPMS warning pressures.

The Jeep'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.
- **Offroad Pages** "**OffRdPgs**": Activate Offroad Pages after upgrading to an 8.4" or 12.1" radio. Requires a UConnect firmware from 2019 or later.

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**
  - **Turns**
  - **Fogs**
  - **High beams**
  - **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 Headlights** "LED Heads": configure vehicle for LED headlights
- **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 FTrn": 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 Auto Hi-Beams** "AutoHiBm": configure vehicle for OEM Auto Hi-Beam sensor assembly
- **Set Trailer Tow** "TRLR Tow": Configure the vehicle for MOPAR trailer towing wiring kit

Offroad Submenu "Offroad"
Offroading Options

- **Set Sway Bar** "SwayBar": Set to NO, this deletes the warnings after the Electronic Sway Bar has been removed
- **Set EPSteer** "EPSteer": This setting is used if you deleted the factory electronic steering pump for a hydraulic pump.
- **Trailer Brake** "TrlrBrk": This setting will activate a MOPAR trailer brake controller.
- **Set LOCKER** "Locker": This setting is used if you deleted the factory axle lockers. You can delete **front only**, or **both**.

If the front locker is deleted then the front axle disconnect is deleted and needs to be disabled as well.

- **Set Front Axle Disconnect** "FrtAxl": This setting will delete the factory Front Axle Disconnect for those that have done axle swaps.
- **DTCM** "DTCM": Declare the presence of a Drive Train Control Module (Rubicon Transfer Case)

Other Submenu "Other"
Additional Vehicle Settings

- **Set AUX** "AUX": Set to YES, this configures the vehicle for the AUX button package.
- **Set Blind Spot** "BlindSpot": Set to YES, this configures the vehicle for Blind Spot Monitoring.
- **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.

Always wear your seatbelt.

- **Set ParkSense** "ParkSense": This setting is to change or disable ParkSense system. Choices are as follows:
  - **0: None**
  - **1: Sahara**
  - **2: Rubicon**
- **Set Splash** "Splash": With this setting you can choose the cluster splash screen.
  - **For Wranglers and 4XE:**
    - **Sport**
    - **Sahara**
    - **Rubicon**
  - **For Gladiators:**
    - **Sport**
    - **SportX**
    - **Rubicon**
- **Set DualZone** "DualZone": This setting allows the use of the single zone or dual zone center stack button assembly. Useful when upgrading from a 5" radio to 7", 8.4" or 12.1", and swapping in the dual zone controls that come with volume knobs.
  The system will still be single zone in this case, only the driver controls will change the temperature.
- **Set HomeLink** "HomeLink": Set to YES, this enables the factory HomeLink visor and harness.
- **Set Paddle Shifters** "Paddles": Set this to ON after adding factory paddle shifters.
- **Auto Dim Mirror** "DimMirror": Set to YES, this enables the factory auto-dim mirror
- **Set Proximity Entry** "ProxEntry": Set to YES, this enables the factory proximity entry handles and harnesses
- **Bed 115v** "Bed115v" **(Gladiator)**: Set to YES, this enables the pickup bed outlet.
- **Set Auto Headlights** "AutoHL": Set to YES, this enables the factory automatic headlight assembly
- **Set Panic** "PanicBtn": Set to NO, this disables the PANIC button on the keyfob.

This needs to be set to YES for the Hood Alarm feature to work.

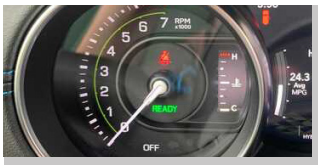
- **SGW Lock** "SGW": Set to NO, this allows access through the security gateway for dealer tools.

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.**

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!



* the 4XE will also access the Live Menu with the engine off, ignition in RUN and the tachyometer at 0

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.
- **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" (excl. 4XE):** 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.
- **"VAC" or "BOOST":** Choose VAC or BOOST to display that gauge on the EVIC screen.
- **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" (392):** 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

- **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 7.
- **Brake Hold "BrakeHold" (excl. 4XE):** 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**
- **Homelink Extend "HomeLnkExt":** This will keep the garage door opener powered after vehicle is shut off. Options are:
  - **Off**
  - **IGN** - for 30 seconds after shutdown
  - **DOOR** - for 30 seconds after shutdown or while door is open with alarm disarmed
- **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 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.

This feature only works with the doors attached at this 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.
- **"HoodAlarm":** Set to ON, this will start an alarm and Light Show when the hood is opened. Turn off by starting or unlocking the vehicle or with the Panic button.

Requires that Set Panic is enabled.

- **"AutoPassHeat":** Set to ON, this will activate the passenger seat warmer when Auto-On Heat is enabled.
- **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 JL Mini are **not accessed via a menu**, but rather work automatically or with **button presses**.

- **Light Show Shortcuts:** The Tazer JL Mini 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.**
- **Auto Stop/Start Disable (excl. 4XE):** The Tazer JL Mini will **automatically** remember the On/Off state of the Auto Stop/Start button when you turn the vehicle off.
- **Auto Traction Control Disable:** The Tazer JL Mini will **automatically** remember if traction control is Enabled/Disabled when you turn the vehicle off.
- **Bed/Reverse Lights from Keyfob (Gladiator):** Use the following keyfob shortcuts to turn on the bed and reverse lights:
  - **UNLOCK x3 - Turn on Bed Lights**
  - **UNLOCK x5 - Turn on Bed Lights + Reverse Lights**
  - **LOCK - Turn off the lights (lights will also turn off after 30 minutes)**
- **License Plate Blanking (Gladiator):** The license plate lights will **automatically** turn off when in reverse or using TurnCam to remove glare on the camera at night.
- **Sway Bar in 2WD:** Press **SWAY BAR** while in 2WD and it will disconnect or re-connect as if it were in 4WD. It will automatically re-connect at 30MPH and disconnect when the Jeep comes back to a full stop. See "SwayKill" in Button Remap section for full sway bar control.
- **Locker Control: While stopped,** press **REAR ONLY** in 2WD/4HI or **FRONT+REAR** in 4HI and lockers will engage. Press **OFF** to disengage lockers. This is the same method used to operate the lockers in 4LO. See LOCKERS in Button Remap section for full locker control.
- **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.

  NOTE: Only works with the engine OFF on manual Jeeps
- **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 (excl. 4XE):** While **in 2WD** 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 Jeep 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 on 392.

- **Rock Crawl (excl. 4XE):** 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 (excl. 4XE): PRESS AND HOLD THE TRACTION BUTTON FOR 5 SECONDS** to fully disable Traction Control, Stability Control and ABS. Shut off and restart the Jeep to reenable. This will force the 392 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 (excl. 4XE)**
  - **Line Lock (excl. 4XE)**
  - **Rock Crawl (excl. 4XE)**
  - **Turn Assist (excl. 4XE): TURN THE WHEEL TO LOCKOUT, THEN PRESS THE REMAPPED BUTTON** to lock the inside back tire for sharper turns.
  - **Winch Mode (excl. 4XE and Diesel)**
  - **Cooldown Mode**
  - **Rear/Front (only in 4Low)/ Front+Rear Lockers:** mimic the behavior of the locker switches.
  - **SwayKill:** disconnect the sway bar and keep it disconnected at any speed
  - **Dark Mode**
  - **ForceRWD (392)**

  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.

PIN Lock Supplement

For Firmware 11.4.1 - 111422 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. 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
- within 20 seconds after exiting the running vehicle with your key

Setting your PIN

1. From the **ENGINE-RUNNING** **"Live Settings"** Menu, **select** **"Set PIN?"**
2. **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."**



NOTE: PIN Lock is a LIVE Feature and requires that the Tazer stays plugged in. 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.

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."

Failure to Enter your PIN

Scenario 1: The countdown runs out.

1. ABS pump will lock all four brakes
2. 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. ABS pump will lock all four brakes
2. a Light Show will start

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

Carjack Mode

When the key is removed from the running vehicle, the vehicle will continue to be fully operable for 20 seconds.

If the PIN is not entered within those 20 seconds:

Scenario 1: The vehicle is stopped.

1. ABS pump will lock all four brakes
2. shifting into gear will trigger a Light Show

Scenario 2: The vehicle is in motion.

1. once the vehicle slows to 5MPH, ABS pump will lock all four brakes
2. a Light Show will start

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

Removing your PIN

1. Start the vehicle and enter your PIN
2. Navigate to Live Settings 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?"**

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

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 Settings menu and select **"Clear PIN."** The dash screen will read **"Brake + Hazard."**
3. Turn on your **hazard lights** and press **and hold the brakes**. This will trigger a 10-minute countdown.
4. Keep the vehicle running and your foot on the brake until this countdown finishes and the PIN Lock will be removed.

NOTE: In a 4XE, when immobilized by PIN Lock, the vehicle will shut off and become stuck in Park rather than locking the brakes.

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 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.
Manual transmission: changed tire size and have ESS error/backup camera stopped working	ESS re-learn procedure not completed.	Please see the ESS relearn procedure on the support page for Tazer JL.
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 in a 2025+ vehicle and received errors related to emergency braking, cruise control and lane assist.	2025.5 Wranglers a 2026 Gladiators have a manufacturing defect unrelated to the Tazer which causes these errors after tire size changes. This affects even dealers.	We created the DASM Whisperer to fix this issue. Click here for more info.
TurnCam 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 and NavInMotion to OFF
Kill3Honk is turned on, but does not work.	That feature only works with doors attached at this time.	Reattach doors, then toggle Kill3Honk Off and back On

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.
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