Z AUTOMOTIVE
Electronic Performance Modifications

TAZER JL Mini

Also compatible with Jeep Gladiator JT

User's Guide

For Firmware 11.3.7 - 040622

The Tazer JL Mini is an electronic plug-in device for the following vehicles:

2018-2022 Jeep Wrangler JL

2020-2022 Jeep Gladiator JT

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), also on the website, to install the firmware over USB.

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Feature List

Tazer JL Mini 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 JL Mini is unplugged.**
- **Live Functions** are accessed with 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.

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

- Light Show – 6 preset and 3 make-your-own light shows that flash all the exterior lights – perfect for car shows/first responders/ off-road visibility – controlled from key fob or steering wheel buttons – can be enabled in-motion for use in parades, off-road and for legal police/EMS applications **(contact support for more info)**
- read and clear DTCs system-wide or in specific modules
- change tire size
- change gear ratio **(max 4.50 on 4XE)**
- change Transfer Case LOW ratio
- enable/disable TPMS system
- set TPMS pressure warning limit, front and rear, between 25psi and 85psi
- enable/disable backup camera
- enable/disable Cargo Camera input **(8.4 UConnect only)**
- enable/disable CD (wired audio) input*
- enable/disable TravelLink/XM traffic and weather
- activate Offroad Pages after upgrading to 8.4" radio
- change daytime running lights (DRL) region (CA/USA)
- change DRL location
- enable/disable DRL Dropout function
- enable/disable factory fog lights
- enable/disable Fog Light Dropout (when fogs shut off while high beams are on)
- enable/disable one-touch lane change
- enable/disable factory halo lights (including BCM output for adding halos)
- change headlight type (Std/LED)
- change fog light type (Std/LED)
- change taillight type (Std/LED)/delete sensor circuit for running aftermarket lights
- change front turn signal type (std/LED)/ delete sensor circuit for aftermarket lights

- enable/disable factory auto hi-beam
- enable/disable Trailer Tow setting
- disable electronic sway bar (if removed from the vehicle)
- disable electronic steering pump for hydraulic steering conversions
- enable the trailer brake controller **(primarily Gladiator)**
- disable front and rear lockers for axle swaps
- disable front axle disconnect module for axle swaps
- declare the presence of a Drive Train Control Module (Rubicon Transfer Case)
- enable/disable Aux Buttons
- enable/disable Blind Spot Detection (if the hardware is added or removed)
- delete the seat belt reminder chime
- enable/disable/change ParkSense configuration
- change cluster splash screen — JL: Wrangler/Sahara/Rubicon JT: Sport/SportX/Rubicon
- enable HVAC dual-zone switch assembly when upgrading from 5” radio
- enable HomeLink if HomeLink visor and harness are installed
- enable/disable auto dimming mirror after installation
- enable Proximity Entry if handles and harnesses are installed
- enable pickup bed outlet **(Gladiator)**
- enable/disable auto headlights after sensors are installed
- enable/disable PANIC button on remote
- display Tazer JL Mini firmware version
- display Tazer JL Mini serial number
- display current Unmarry Number (see page 16)
- one-touch return-to-stock – quick “Unmarry” function returns to stock

List of **Live Functions**

(ENGINE ON)

- activate Light Show
- hold brakes at a red light **(excl. 4XE)**
- use garage door opener after shutdown
- enable navigation entry in-motion
- TurnCAM – activate backup camera when turn signals are used **(5”, 7” and 8.4” UConnect)**
  Kill3Honk – disable three honks that sound when leaving running vehicle with keys
- toggle hood alarm
- enable passenger side heat on remote start
- flash third brake light when braking
- customize third brake light flash pattern
- define Winch Mode RPM **(excl. 4XE)**
- flash lights to indicate tire pressure while filling
- Dark Mode – turn off all exterior lighting and dash/radio/shifter lights while parked with the engine running
- activate and cycle through camera inputs
- display Vacuum/Boost Gauge
- activate 0-30 timer
- activate 0-60 timer
- Force RWD **(392 only)**
- display firmware version

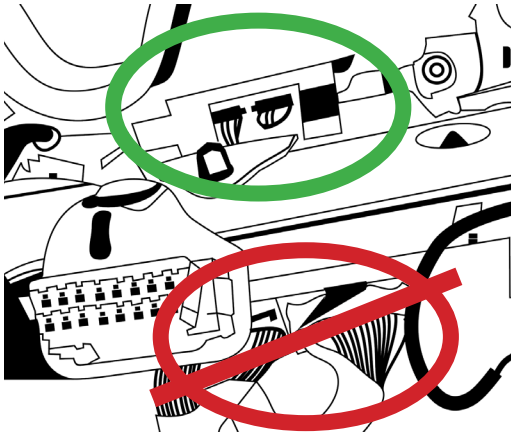
List of **"Non-Menu" Live Functions**

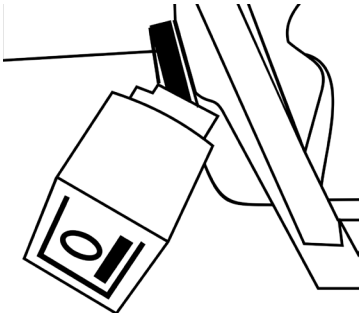
(NOT IN A MENU — AUTOMATIC OR ACTIVATED WITH BUTTON INPUTS ONLY)

- AutoStopStart Disable – Tazer JL Mini will **automatically remember** the last state of the auto stop/start system and set it for you the next time you start the vehicle
- AutoTracKill – Tazer JL Mini will **automatically remember** the last state of the traction control system and set it for you the next time you start the vehicle
- disconnect sway bar in 2WD up to 30mph or at any speed if mapped to a button
- License Plate Blanking (Gladiator) – Tazer JL Mini will **automatically turn off license plate light** when in reverse or using TurnCam to reduce glare
- activate bed lights/reverse lights from keyfob **(Gladiator)**
- Axle Locker Control **(Rubicon)** – engage lockers in 2WD and 4Hi on demand.
- Cooldown Mode – turn on engine fans on-demand
- Winch Mode – raise idle RPM to user-selected value between 1250 and 2000 **(excl. 4XE)**
- Hood Alarm – monitors hood activity when the vehicle theft alarm is armed and will sound the alarm and flash a light show if opened
- Line Lock – lock the front brakes for an easy burnout
- Rock Crawl – lock all four brakes with a steering wheel button combo to hold the vehicle still, especially helpful when off-road **(excl. 4XE)**
- lock all four brakes in park to anchor Jeep (shortcut) **(excl. 4XE)**
- TC Kill – turn off traction control, stability control and ABS **(excl. 4XE)**
- show backup camera (shortcut)
- Turn Assist - lock the inside back tire for sharper turns **(button remap function only)** **(excl. 4XE)**
- remap cruise +/-/RES buttons to:
  - Any of the 8 light shows
  - Backup camera
  - TC Kill **(excl. 4XE)**
  - Line Lock **(excl. 4XE)**
  - Rock Crawl **(excl. 4XE)**
  - Turn Assist **(excl. 4XE)**
  - Winch Mode **(excl. 4XE)**
  - Cooldown
  - Front/Rear/Front+Rear Lockers
  - SwayKill
  - Dark Mode
  - Force RWD
- Partial Reboot

Installation

- 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 see the connectors
- The Tazer JL Mini can be left plugged in, as many of its features (Live Functions) only work when plugged in.
- An optional SGW Extension Cable is available from our website for easier removal.
- The Tazer JL Mini will go to sleep 30 seconds after the Jeep shuts down.
- **The Tazer JL Mini fits ALL Jeep JLs and JTs. If it looks like one of the plugs is too big, you're looking at the incorrect plugs (circled in red).**





Menu Navigation

- For all functions involving the dash (EVIC) display, the EVIC screen first needs to be in a state where it's showing the AUDIO screen. Navigate to this screen using the steering wheel arrow buttons.
- Once the display is in this state, use the button commands below to operate your Tazer JL Mini.

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

CRITICAL

IF YOU MAKE ANY CHANGES IN THE "VEHICLE SETTINGS" (ENGINE OFF) MENU OR UNMARRY, YOU MUST PERFORM A FULL REBOOT AND TWO SLEEP CYCLES. SEE BELOW.

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

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.

Vehicle Settings

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.

- **Light Shows:** 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/Unmarry:** **To advance to any of the vehicle settings, you will first need to "Marry" the Tazer JL Mini to the vehicle.** When you select this option, the Tazer JL Mini will download your car's **current** (presumably stock) settings. This should take around 15 seconds. **Do not disturb this process.** Once complete, you will be able to advance to the **Settings** choices.
- **Submenus:** Once married, you can advance though several sub-menus. Select a submenu using the method described above.

Submenu Perf:

performance-based options

- **Set Tire Size:** Use this setting to change the calibration for tire size. Use the left arrow and cruise +/- buttons to raise or lower the value, then select it (left arrow and cruise on/off) to save the new setting.
- **Set Gear Ratio:** Use this setting to change the calibration for axle gear ratio. Use the left arrow and cruise +/- buttons to raise or lower the value, then select it (left arrow and cruise on/off) to save the new setting. **(max 4.11 on 4XE)**
- **Set Transfer Case LOW ratio:** Use this setting to change the calibration for 4LOW gear ratio. Use the left arrow and cruise +/- buttons to raise or lower the value, then select it (left arrow and cruise on/off) to save the new setting.

Submenu Tire:

TPMS and tire size options

- **Set TPMS:** Turn the tire pressure monitoring system on or off.
- **Set Tire Pressures Front/Rear:** Change the TPMS warning pressures – use the left arrow and cruise +/- buttons to raise or lower the pressure, then select it to save the new setting. (The Jeep's computer will only recognize a minimum of 25psi.)

Submenu Radio:

radio-based options

- **Set Backup Camera:** If factory backup camera is deleted, this setting will disable it.
- **Set Cargo Cam:** This will enable the "cargo cam" selector on the "controls" screen. Useful for front cameras.
- **Set DVD_CD:** This adds the CD input on UAQ radios for use as an aux input, particularly useful if adding a media player or DVD player using the Z Automotive HDMI-AV Kit
- **Set Travel Link:** This setting adds the ability to disable SiriusXM Travel Link, which turns off the weather pop-ups. Also disables SiriusXM Traffic information.
- **Offroad Pages:** Activate Offroad Pages after upgrading to an 8.4" radio. Requires a UConnect firmware from 2019 or later.

Submenu Lighting:

DRL and other lighting options

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

- **One-touch:** Enable one-touch lane change
- **Set Halo Enable:** This setting is to disable or enable factory Halos.
- **Set LED Headlights:** This setting is to configure the vehicle for LED headlights.
- **Set LED Fogs:** This setting is to configure the vehicle for LED Fog lights.
- **Set LED Tails:** Configure the vehicle for LED taillights. If using aftermarket LED tails on a factory LED Jeep, switch this setting to NO then back to YES, this will clear the bulb out and hyperflash.
- **Taillight Type:** Reconfigure taillight type for overseas conversions
- **Set LED Front Turn:** This setting is to configure the vehicle for LED front turn signals. If using aftermarket LED turns on a factory LED Jeep, switch this setting to NO then back to YES, this will clear the bulb out and hyperflash.
- **After configuration, perform a few 5 minute sleep cycles. Turn signals should be run for 20 seconds each before hyperflash and errors clear up.**
- **Auto Hi-Beam:** Enable/Disable factory automatic hi-beam
- **Set Trailer Tow:** Configure the vehicle for MOPAR trailer towing wiring kit

Submenu Off-Road:

off-road related options

- **Set Sway Bar:** If the Electronic Sway Bar has been removed, you can use this setting to delete the warnings.
- **Set EPSteer:** This setting is used if you deleted the factory electronic steering pump for a hydraulic pump.
- **Trailer Brake:** This setting will activate a MOPAR trailer brake controller.
- **Set 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:** This setting will delete the factory Front Axle Disconnect for those that have done axle swaps.
- **DTCM:** Declare the presence of a Drive Train Control Module (Rubicon Transfer Case)

Submenu Other:

Additional vehicle settings

- **Set AUX:** This setting is to configure the vehicle for the AUX button package.
- **Set Blind Spot:** This setting is to configure the vehicle for blind spot detection package.
- **Set Belt ding:** This setting is to delete the seat belt reminder chime. The reminder icon will remain on the dash. Always wear your seatbelt!
- **Set ParkSense:** This setting is to change or disable ParkSense system. Choices are as follows:
  - 0: None
  - 1: Sahara
  - 2: Rubicon
- **Set Splash:** With this setting you can choose the cluster splash screen. For Wranglers:
  - Sport
  - Sahara
  - Rubicon

  For Gladiators:
  - Sport
  - SportX
  - Rubicon
- **Set DualZone:** With this setting you can allow the use of the single zone or dual zone center stack button assembly. Useful when upgrading from a 5” radio to 7 or 8.4, and swapping in the dual zone controls that come with volume knobs. Note: the system will still be single zone in this case, only the driver controls will change the temperature.
- **Set HomeLink:** Enable factory HomeLink visor and harness
- **Auto Dim Mirror:** Enable factory auto-dim mirror
- **Set Proximity Entry:** Enable factory proximity entry handles and harnesses
- **Bed 115v:** enable pickup bed outlet (Gladiator)
- **Set Auto Headlights:** Enable the factory automatic headlight assembly
- **Set Panic:** With this setting you can choose whether the PANIC button on the keyfobs will be enabled or not. This needs to remain enabled for the Tazer JL Mini JL hood alarm feature to function.
- **Firmware Version Display:** Shows the current Tazer JL Mini firmware revision.
- **Serial Number Display:** Shows your Tazer JL Mini’s serial number (only needed in specific tech support situations)
- **Unmarry Number:** Displays the current one-time use Unmarry Number. See Page 15
- **Full Reboot:** Will reset vehicle modules and the Uconnect system twice. This takes 2.5 minutes to complete and should be performed after any Vehicle Settings are changed – Uconnect will reboot twice, the dash will reset, and when it’s finished, the red security dot on the dash may turn on. Once complete, shut off the vehicle, open and close the driver door and wait for a minute to be sure the dash turns off. Open and close the door again to complete a second sleep cycle..

Live Menu

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

* the **4XE** will also access the Live Menu with the ignition in Run and the tachyometer at 0

- **Light Show:** This is one method of activating the light shows. Selecting this will activate the first show, unless ZPU was used to change the startup show. There are 9 light shows – you can toggle through all 9, then back to OFF.

Live Settings:

Adjustable live options

- **Brake Hold (excl. 4XE):** enable/disable the brake hold feature, which will automatically hold your brakes after pressing brake firmly for 2 seconds under these circumstances:
  - **not in a menu**
  - **at a full stop**
  - **your seatbelt is on**
  - **in drive**
- **Homelink EXT:** Keep garage door opener powered after vehicle shutdown. Options are:

  Off

  IGN - 30 seconds after shutdown

  DOOR - 30 seconds after shutdown or with door opened and alarm disarmed
- **Set In-Motion Nav:** If set ON, this adds the ability for address info to be entered into the navigation system while vehicle is moving. This is for the PASSENGER to use. It may be illegal for the driver to use the navigation system to enter information while the vehicle is in motion. It is recommended to leave this setting OFF, enabling it only when you need to use it, as it can cause an occasional radio reboot right after engine start-up. This will automatically be disabled if TurnCAM is enabled.
- **TurnCAM:** Automatically turn on the backup camera if the turn signals are being used. Settings are "Off," "5/7" for 5" and 7" UConnect radios and "8.4" for 8.4" radios. When this is enabled, In-Motion Nav will be disabled.
- **Kill3Honk:** This setting disables the three honks that sound when you leave the vehicle with your key while it's running.

- **Hood Alarm:** Turn hood alarm on/off. Requires that Set Panic is enabled. Turn off with the Panic button, starting the vehicle or unlocking the vehicle.
- **AutoPassHeat:** Warm passenger seat in addition to driver when Auto-On Heat is enabled
- **PlsBrk:** Toggle pulsing third brake light when braking. Comprised of two settings:

  PlsBrkNum: Set the number of pulses.

  PlsBrkSpd: Set the speed/pattern of pulses slow/medium/fast/ramp up/ramp down/random

- **TireFill:** Set PSI and corresponding marker lights near each tire will
  - flash slowly if underfilled
  - flash quickly if overfilled
  - remain solid at correct pressure
- **Dark Mode:** If enabled, turn off all exterior lights and dash, radio, and shifter lighting. Selecting again, advancing to next menu item, pressing "screen off," or driving over 5 mph will automatically cancel this mode.
- **Video:** If selected, will turn on backup camera input.
- **VAC or BOOST:** If selected, will display the Vacuum/Boost Gauge on the EVIC
- **0-30 Timer:** 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:** 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.
- **Force RWD:** Force Rear-Wheel Drive on a 392. Status is remembered on restart. AWD indicator will turn off (may flicker).
- **Display Tazer JL Mini Firmware Revision:** Displays the Tazer JL Mini's current firmware version (ie "TZJL:11.2.X")

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

  Keyfob: The light show can be turned on by pressing unlock-unlock-lock-unlock from the keyfob. This will start the first light show in the sequence

(depending on which show it's configured to start with). Pressing unlock again will advance to the next enabled show. Pressing lock will turn off the light shows. You may lock the vehicle while the shows are on by pressing the button on the door handle or using the key.

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

- **Start/Stop Kill:** Set the Start/Stop system as you wish, enabled/disabled, and the Tazer JL will set it that way then next time you start the vehicle.
- **Traction Kill:** Set the traction control system as you wish, enabled/disabled, and the Tazer JL will set it that way then next time you start the vehicle.
- **Bed/Reverse Lights From Keyfob:**
  - Unlock x 3: Turn on Bed Lights
  - Unlock x 5: Turn on Bed Lights and Reverse Lights
  - Lock: Turn off Bed/Reverse Lights (will also turn off after 30 minutes)
- **License Plate Blanking:** The license plate lights will turn off when in reverse or using TurnCam to remove glare on the camera at night.
- **Sway Bar in 2WD:** Press the Sway bar button 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:** Press the REAR locker button in 2WD/4HI or the FRONT/REAR button in 4HI while stopped and lockers will engage. Press the Locker OFF button to disengage lockers. This is the same method to operate the lockers as if in 4LO. See LOCKERS in Button Remap section for full locker control
- **Cooldown Mode:** Press the right arrow and cruise cancel button at the same time to turn the engine fans on High. If the engine is off, the fans will turn off automatically if the battery voltage drops below 11V. Transmission temperature will read as 229F while this mode is being used with the engine running. (only works with the engine off on manual Jeeps)

- **Winch Mode (excl. 4XE):** With the engine running, press the left arrow and cruise RES buttons at the same time. The engine will rise to the RPM selected in the live menu (default 2000). There may be a few seconds delay before it changes. It will NOT raise if you touch the accelerator pedal, and will cancel if you do.
- **Anchor Mode (excl. 4XE):** Brake firmly and pull the hi-beam stalk. All 4 brakes will hold indefinitely until accelerator pressed. Works in conjunction with Winch and Cooldown modes.
- **Hood Alarm:** Arm the factory Vehicle Theft Alarm. If the hood is opened while armed, the alarm will sound and the Tazer JL Light show will be invoked. To turn off, press the PANIC or UNLOCK button on the keyfob, or turn on the vehicle, to turn off the alarm, and the LOCK button to turn off the light show. Set Panic needs to remain enabled for this feature to function.
- **Line Lock (excl. 4XE):** While in 2WD, press and hold the left arrow and cruise set(+) buttons. Continue to hold and pump the brakes twice, firmly. 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. Will automatically force RWD on 392.
- **Rock Crawl (excl. 4XE):** Press and hold the left arrow and cruise set(-) button, and pump the brakes twice. The Jeep will hold using all four brakes while you can work the pedals to apply torque, and release the buttons when you're ready to move. "RockCrawl" will be displayed in the cluster.
- **Full traction control disable (excl. 4XE):** Press and hold the traction button for 5 seconds to fully disable TC and ABS (and enter 2WD in the 392. Tap again to restore 4WD.) Shut off and re-start Jeep to re-enable.
- **Force backup camera:** Double tap the "mute" button to switch to backup camera
- **Turn Assist:** lock the inside back tire for sharper turns **(button remap function only) (excl. 4XE)**
- **Button Remap:** This function allows the assignment of "hotkeys" for quick access to some of the Tazer's functions. The cruise +/-/RES may be used for this function. While the dash is in Audio mode, press and hold the RIGHT arrow and press the button you'd like to remap. The choices are:

  Any of the 8 light shows

  Backup camera

  TC Kill **(excl. 4XE)**

Line Lock **(excl. 4XE)**
Rock Crawl **(excl. 4XE)**
Turn Assist **(excl. 4XE)**
Winch Mode **(excl. 4XE)**
Cooldown
Front/Rear/Front+Rear Lockers
SwayKill
Dark Mode
Force RWD

Keep in mind that not all functions pertain to all vehicles. These remap buttons will only program and operate while Cruise Control is OFF. When Cruise is on, they will operate as normal cruise control buttons. For TC Kill, a vehicle restart is required to bring the system back to normal. For Lockers, the normal Locker off button disengages the lockers.

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

UPDATING/LIGHT SHOW CONFIGURATION

Updating your Tazer firmware is done with the Z Automotive Programming Utility, which **requires a computer or other device running Windows or MacOS Catalina or newer** 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 "UnmryNo" item in the Tazer's EVIC menu, described on page 10.
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 a state where it can display radio station name	Set EVIC so it's showing radio station name. This would be the the "Audio" menu on the instrument cluster
Changed a setting and it didn't take effect	Full Reboot and 2 sleep cycles were not performed	Follow the directions on page 6.
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 6 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 6. 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.

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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