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

2018-2023 Jeep Wrangler JL 2020-2023 Jeep Gladiator JT 2021-2023 Jeep Wrangler 4XE

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



Contents

Use CTRL+F (Windows) or X+F
(MacOS) to contain the document (MacOS) to essent the de eature List Vehicle Settings Live Functions Non-Menu Live Functions

Installation Menu Navigation Menu Navigation.

CRITICAL INFORMATION
Returning to Stock (Unmar
Vehicle Settings

Submenu Other
Live Menu
 Live Settings
 Non-Menu Live Functions
 Tazer PIN Lock Supplement
Updating & Light Show Config
Unmarrying Your Tazer

Feature List

Ifazer J.K. Mini I features can be broken into three categories?

Vehicle Settings an accessed with the regise of Fe and the girlson in the "RIV" pattient because of the categories of the categories of the regise of Fe and the girlson in the "RIV" pattient because of the categories of the regise of Fe and the girlson in the "RIV" pattient becomes of the register of Live Functions are accessed with the engine (III). These are operations the Tazer JL Mini performs live, only while it is physically connected.

"Non-Menu" Live Functions go and leaded in a mean. They are activated gallemetiles or with a steering wheel bullon combination. These are operations the Tazer JL Mini performs in

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

Main Menu

that flash all the exterior is first responders/of-road is fother steering wheel buth motion for use in parades

Z / STOPPETTIVE 2

"DRL Drop" deatle Daytime Running Light Dropout (DR shub-off while turn signal is on) "Fogs En" enable/deatle Factory Kig Lights "Fog Deep" enable/deatle Fog Light Dropout (log Light

Performance Submenu

Radio Submenu

"Cam En 'enecky/dearle the featory basis or come and comment of the comment of th

AUTTENVETTIVE 3

Off-Road Submenu

**TOTAL double-presented (FICAL Markets Active State St

LIVE Main Menu " InhiShow?" activate Light Show

IVE Main Menu
Light-Show? achiate Light-Show
Lihe-Settings?* LINE SETTINGS SUBMENU
Lihe-Settings?* LINE SETTINGS SUBMENU
Which XXXXX deline Which Mode Replication
Tilestill? fesh to indicate pressure while titling titles
paradisede?* Under off exteric light and doutly ristor's
shifter lights white parlead with the engine running
"Mace" only commany video in path
"Mace" deline parlead with the engine running
"Mace" deline parlead with the engine running
"Mace" deline grantly video
Tilestill (eding) Line Commany video
Tilesti

LIVE Settings Submenu

• "PN Lock" assign a steering wheel button
sequence to be required before driving the vehicle
• "BrakeHold" automatically hold brakes at a red light
• "HomeLinkExt" use garage door opener after
shutdown

HoneLinear Use garage table spaces with a chalched and a chalc

ACTIVATED WITH BUTTON B

Z AUTTEMPTIME 4

Z/IJTTE/VIETTIVE 5 Bedreic Performence Hodifications Installation

- Unplug the two SGW The Tazer JL Mini can be left plugged in, as

- and gently pulling straight down on the wires.



The Tazer JL Mini fits ALL Jeep JLs, JTs and 4XEs. 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) • Once the display is in this state, use the

screen. Navigate to this screen using the

steering wheel arrow buttons. OPE SE

display, the EVIC screen first needs to be button commands below to operate your in a state where it's showing the AUDIO Tazer JL Mini.

Function	Button Input
OPEN MENU/SCROLL MENU	⟨ (HOLD) + CRUISE CANC
SELECT/CHANGE OPTION or SAVE VALUE (HESELE, 1993 THRESHOLD, ETC.)	⊲ (HOLD) + CRUISE ON/OFF
ADJUST VALUE (THE SIZE, THAS THRESHOLD, ETC.)	⟨HOLD⟩ + CRUISE +/-

CRITICAL AUTOMOBILIA

Read everything on this page CLOSELY.

SIDBLE TIDIE YOU MAKE CHANGES IN THE "VEHICLE SETTINGS"

MENU OR UNMARRY, YOU MUST PERFORM A FULL REBOOT AND TWO

SLEEP CYCLES, THIS PROCESS IS EXPLAINED HERE:

How to perform a FULL REBOOT AND TWO SLEEP CYCLES

After making all of your changes, scroll to "full reboot?" and select it.
Wait for the countdown, then perform two sleep cycles.
The quickets way to do two sleep cycles is to turn the ignition off, open and close the offiser's cloor and wait about 60 seconds AFTER the dash goes dark, close the offiser's cloor and wait about 60 seconds AFTER the chain goes dark.
This step is closed the close the regional and region does more more.
This step is closed the close the country of the co

to chould be performed on level ground, with the wh straight and with your foot off the brakes.

Returning to Stock (Unmarry)

SELECT "UNINAMITY" FROM THE VEHICLE SETTINGS MENU AND PURPORN THE
STEPS AROUNT TO RETURN YOUR VEHICLE SETTINGS MENU AND PURPORN THE
TWO Tares stocks the configuration persent when it is farried. That will be what
It returns to when you fumarry, even if it wasn't stock.
You should Unmarry and Promoty your Traces before dealer cervice
or if you wish to use your Tease in another vehicle.



Vehicle Settings This section explains the Vehicle Settings for feature activation.

The Vehicle Settings menu is accessed with the Ignition in "Run" (not "ACC") and the engine NOT running.

The mean leave are listed in the order is which they will display.

Main Menu

Programmed and Assessment of the Programmed and Transing Co.

• Read DTCs: Veywarry error codes in the Provincian Control Modes (PCM) End (Control Modes (PCM))

This serioson Control Modes (PCM)

Unimary Number 'George's County of the State Service Serv

Perf Submenu "Perf": tire and performance-based op:

Set Tire Size "Tire": This setting will change the programmed tire claimater. Use the hand-measured

height in inches for accurate sensor readings.

Set Gear Ratio 'GrRatio': This setting will change the programmed goar ratio.

Set Transfer Case LOW Ratio '4 Low':

NOTE: Use <1/BACK(HOLD) + CRUISE+/- to raise or lowe these values and <1/BACK(HOLD) + CRUISE On/Off to

AUTIFICATIVE
Betroic Furbrasco Reflications

Unmarry Number "UnmryNec XXXX": Shows the

Tire Submenu "Tire":

PREMIUM (individual tire pressure):
Set Tire Pressures Front/Rear 'Psi
Front/Back': This setting changes the TPMS warning

or loser the pressure and
of loser the pressure and
4/RACK/HOLD) + CRUISE On/Off to save the new
setting. The Jeap's compared will only an organize a
minimum of 25 PSL.
DUE: For these settings, after the requires Fall Reboot
for selecting cycles (50 Fs. 20 dimente drive; prefered
glimely, 50 that all proposal options, 20 ptions, 20 ptions,

Z AUTEMETINE

Radio Submenu "Radio":

particularly for the Z Automotive All or HDMHAV Ivit. • Set Travel Link "travellink": This setting adds the ability to disable Sinus Mil Travel Link which turns off the

Set Backup Camera 'Cam En': Thi

OR HDMI-AV Kit. You may only use one.

Set DVD/CD "DVD CD"

This setting activates

atify to deable Sinus (Al Travel Link, which turns off-weather pop-ups. Also deables Sinus (Al Traffic Inform • Offroad Pages - ometing "Activate Offroad Description of the company of the Deputy of the Control of

Lighting Submenu "Lighting": DRL and other lighting options

Set DRL Type 'DRLType': Choose USA (or selbstoble). Carada (on all the time) or OFF (dea . Set DRL Location 'DRL Loc': Choose will be time).

will keep the DRLs on even when a turn signal is in

• Set Fog Lights Enable 'Fogs En': This

setting enables newly-added factory (og lights).

Set Fog Dropout "Feg Drop" Set to CFF, this will leep the fogs on even when the high beams are in use.

One-touch "one-touch" shall by tissub constitution

Set LED Headlights "LED Heads" configure

vehicle for LED headlights
 Set LED Fogs "LED Fogs" configure vehicle for

LED by lights

Set LED Tails "LED Tails" configure vehicle for LED

lail gists planeaudet lights may require a residor hamess

Taillight Type "hat" configure tell synts for
oversals conversion (if you are unboth to restore the
default value, you should themaphs to restore the

Set LED Front Turn "LED Film" configure

- Offroad Submenu "Offroad": offroad-related options
- Set Sway Bar "SwayBar": 34(10 YES, 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

 **Set Front Axie Disconnect : PHAME: This
 settlement of the factory front Axie Disconnect for the factor of the factor front Axie Disconnect for the factor of the factor front Axie Disconnect for the factor of the factor front Axie Disconnect for the factor of the factor front Axie Disconnect for the factor front Axie Disconnect front Axie Disconnect
- hydranic pump.
 Trailer Brake "Triverk": This setting will activate a

MOPAR trailer brake controller. Set LOCKER "Locker": This setting is used if up

- Other Submenu "Other":
- Set AUX "Aux": Set to YES, this configures the
- Set Blind Spot Binesper
 configures the vehicle for the AUX button pediage.
 Set Seatbelt Ding Beatting Det to OFF.

 Threat-lie the chime when your seatbel; is cft. The
- Always wear your seathers.

 Set ParkSense "ParkSense": This setting is to

 after adding factory poddle shifters.

 Auto Dim Mirror "DimMirror": Set to YES, this
- Set DualZone 'DualZone': This setting allows the
- storing will outside that rectary/mont Auto Disconnect for those that have done any swaps.

 DTCM "btcM": Declare the presence of a Drive Trai Control Modula (Bublicon Transfer Casa)

AUTEMATTIVE 9

- assembly Useful when upgrading from a 5" radio to 7 is 8.4, and swepping in the dual zone controls that come with volume knoto. Note the system will still be single 2016 in this case, only the driver controls will change th
- temperature.
 Set HomeLink "HomeLink": Set to YES, this
- enables the factory Homel, nik visor and harness.
 Set Paddle Shifters "Paddles": Set this to Oh
- Set Auto Headlights "AutoHL" I Set to YES, this
 enables the factory automatic headlight assembly.
- Set Auto Headilgrics according to seembly caseles the factory according to seembly. Set Panic Penicetars 2 for John the desired to the PANIC section on the Finds. This needs to be set to ON for the North Aum feature to were for the Finds. Set to Finds to the Set ON Set Under Service 2 for to Finds and the Set Under Set Under

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

the 4XE will also access the Live Menu with the ignition in



- Light Show 'LightShow?': This is one method of activating the light shows. Selecting this will activate the
- **Designation** Control of the Control of the

- softler to the learning state of the ment social or which the properties of the social state of the social
- - Set Video "Video?"

 Sepect to cycle between camera and video inputs.
 VAC or BOOST: Choose WC or BOOST to disp

 - not in motion.

 Display Tazer Firmware Revision: Display

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 13.

firmly for 2 seconds under the not in a Tazer dashb at a full stop your seatbelt is on in drive

Brake Hold "BrakeHold": Set to ON, this will automatically hold your brakes after pressing the brake

AutoPark Kill "AP Kill" Set to yes, this automatically disable the AutoPark Resture wis which is turned on and floot is on the brake. For this will be disabled part 30 mph and will rearis Homelink EXT 'HomelnkExt': This will keep the

arage door opener powered after vehicle is shut off. Options:
Off
IGN - for 30 seconds after shutdown
DOOR - for 30 seconds after shutdown or while

 The second first of t Non-Menu Live Functions

Light Show From Keyfob: The Tazer A Min
has the size and southers about A to last Light Shows. Those are
Keyfork Free Survice, Lincolo, Loudo, Loudo, Loudo,
on the Lipido Is sixt for First Eld riskins
to septiate Operation (as well as the lincolo to the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as well as the Control
of the Society Advanced as the Control
of the Control

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

Traction Kill: The Tazer Jt. Mini will automatically remember the Enabled /Disabled system when you turn

the regression physicistic gas metals show a consignated gas streetly interest global organ will advance to the cell could be the cell of the cell Les Celowing Jesydob short suds to burn on the cervi and several lights.

UNLOCK x3 - Turn on Bed Lights - Beverse Lights - UNLOCK x5 - Turn on Bed Lights + Beverse Lights - LOCK - Turn of the Lights (lights will also burn off after 30 minutes)

Set DRL Dropout 'DRL Drop': Set

vehicle for LED front turn signals

NOTE: For the setting after the required Full Reboo
two sleep cycles, nin ejech (Imier for 20 seconds e
liftle does not clear hyperfash and you have aftern
lights, your light might require a resister harness. Set Halo Enable "Halo En" (martig/disable)

NOTE: Wish using Turician or the Multishortest, avoid turning the camera off using the on-screen "X" [regist] was tor the Turician to turn off other your signal or use the Multi-shortest signin to turn the camera off.

 License Plate Blanking: The license, lights will automatically turn off when in reverse TurnCam to remove glare on the camera at night.

• Sway Bar in 2WD: Press SWAY BAR while in

corror.

Locker Control: While stopped, press REAR ONLY in 2 NO.441 (or \$100 NT +REAR in 444 and lockers will engage. Press OP\$ to disengage lockers. This is the same method used to operate the lockers in 440. See LOCKERS in Button Remap section for full locker control.

Cooldown Mode: Press D + CRUISE CANCEL turn the engage fars on High. Press again to turn them.

Winch Mode.

Anchor Mode (excl. 4XE): This feature locks all four braids until the accelerator is passess, To activate, BRAKE FIRMLY + PULL HI-BEAM STALK. This works in BRAKE FRINCY - PLIL HEEDEN STALK, TIERR MANUSCHIPPER CONJUNCTION HIS WHICH and COMBINED HIS MANUSC.

Line LOCK (seek. ACKE) White is 7900 and as a fail that piece of Lago-Approximation Assumed that ACK and dissist a light on the deep leight for their plants. After a dissist a light on the deep leight for their continues to hot the theories and ground plants that are postal based miny and related. The lagor will step will step with the hort increase which says present the experimental to a human's "Line Lock" will be displant in the cluster. This

will supprint to style from PKMD on 392.

Rock Crawl (excl. 4XE): This feature holds all four brakes will be you work the pestal to a pely some these and hold </BACK/HOLD) + CRUISE and pun the brakes twice, Once "Popilicane" shows on the EVI

AUTTOMOTIVE 12 Outstale Parlamance Mediturion

release the huttons when you're ready to start moving.

Full traction control disable (excl. 4XE):



PIN Lock Supplement Failure to enter the PRN before the countdown ends will betten sequence (PRN) that must be entered before takes on the other mile of the most companisation of an optionate in the other most companisation of an optionate in the local of second, present vertex of well of second, present vertex.

The resignation and period of security against an extension of the security of



Updating your Tazer firmware is done with the Z. <u>Automotive Programming Willity</u> which requires a computer or other device running Windows or MacOS Catalina or newer and an available USB port. The ZPU user Guida at the link active sequiants not 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 "<u>Light Show Configuration Guide</u>" to configure your Tazer JL 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

IAZET IS MATTIFEU LO ANDUTE! VENT-LOCAL CONTROLLED VENT-LOCAL CONT

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

Tazer second-hand, or lose access to your vehicle without unmarrying your Tazer and

UPDATING/LIGHT SHOW CONFIGURATION Common Troubleshooting Questions

Symptom	Cause	Solution
No menu in EVIC	EVE 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 Retroot 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 in tiplice.
Manual transmission: changed tire size and have ESS error/backup camera stopped working	ESS re-learn procedure not completed.	Please see the ESS releam procedure on the support page for Tazer JL.
LED Turn signals are hyperfashing	Needs Full Reboot, 2 sleep cycles and calibration	Follow the directions on page 6. Then run each turn signal for 20 seconds.
Post services habit on the Way state	Manufacture to second the second contraction	Mark a day on the base and bloom have

Z Automothie cannot be held responsible misuse or consequential dismages.

a swee that modifying per while it may very one affect your whole's averantly longerinty, handling, one
per special per special is may very one affect your whole's averantly, longerinty, handling, one
per special per sp



Any of the 8 light shows
rear camera
TC KIII (excl. 4XE)
Line Lock (excl. 4XE)
Rock Crawl (excl. 4XE)
Winch Mode (excl. 4XE)
Cooldown Mode
Front; Rear, Front+Rear Lo
SwayKiII





Symptom	Cause	Solution
No menu in EVIC	EVE 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 Patroot 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 releam procedure on the support page for Tazer JL.
LED Turn signals are hyperfashing	Needs Full Retoot, 2 sleep cycles and calibration	Follow the directions on page 6. Ther 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 altep cycle: