

# Owner's Manual

# SentyTek Aita Owners Manual

Generation 1 (2026-) (aita1,1 and aita1,2)

Software version: SenCar 6.2

Drive Computer version: 2.0

Stormworks (US English)

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## About

The SentyTek Aita is an All-Wheel Drive (AWD) 4-door sedan Electric Vehicle (EV) produced by SentyTek Automotive Limited, a subsidiary of SentyTek Corporation.



## California Proposition 65

**WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including phthalates and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, wear gloves or wash your hands frequently when servicing your vehicle. For more information go to: [www.P65Warnings.ca.gov/passenger-vehicle](http://www.P65Warnings.ca.gov/passenger-vehicle).

**WARNING:** Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

## Radio Frequency Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

## List of Recalls

NOV 26 2025 - High Voltage battery recovery impossible after total damage to HV circuit  
Affects all vehicles  
Addressed via SenCar v6.1 OTA update & Workshop update  
Addressed NOV 28 2025

## List of Updates

NOV 28 2025 - Hotfix

- fixed an issue with senconnect nodes being reversed
- fixed dashboard showing wrong version number

DEC 26 2025 - Regular update

- Redesigned brakes from the ground up to be function based and more powerful. This should result in more reliable braking and less rear end accidents
- Fixed an issue where steering may hard pivot to left or right when seat input was close to 0

SenCar 6.1.1:

- Feature - Added rear distance to reverse camera
- Feature - Added charging indicator to dash - Battery icon/percentage turns green

FEB 17 2026 - HW2

Tuned cruise control for better high speed control

Added Radar Offset slider to Settings app. This can help bias the vehicle to the left or right of a radar target to prevent hitting walls using Radar AP

Utilized new MC layering to compact some logic and reduce tick delay in some systems

Added hotkey 4 to show reverse camera on widget display

Added button near driver's feet to disable front tow connector

Added lock logic enable indicator

Added reverse beeper

Added trunk light

Fixed screens not working in sealed spaces

Created new Service Manual, available online in the Owner's Manual

Added many many debug tooltips for service technicians, can be seen by pressing Debug MCs button under the car

Added a speed limit in reverse

Added Rear Collision Warning

SenCar 6.2:

Feature - Now monitors various scripts and microcontrollers and will display a warning if any script or controller encounters a fault

Rework - Rear distance only shows below 50 meters

Rework - Reorganized Car app options to be in alphabetical order

Fix - Fixed incorrectly allowing app touch inputs in the reserved screen areas

Fix - Fixed formatting issue with speed in metric in reverse in Modern and Round dash layout

Feature - Cruise Control speed adjustment/resuming. Hold CC button (2 by default) to resume previous cruise speed, use arrow keys to adjust speed while in cruise.

## Versions

You can find the version of the car you have on the door jamb sticker

aita1,1 - Launch edition. MFD 11/2025-02/2026

aita1,2 - Hardware 2. MFD 02/2026-

## Using This Owners Manual

To find what you are looking for, use the search function on your browser. Good luck.

## Feature Availability Statement

All specifications and descriptions are known to be accurate at time of publishing. However, because continuous improvement is a goal at SentyTek, we reserve the right to make product modifications at any time. To communicate any inaccuracies or omissions, or to provide general feedback or suggestions regarding the quality of the Owner's Manual, send a message to [sentyfunball](#) on Discord or BlueSky

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## Reporting Safety Defects

### Contacting SentyTek

If you have any questions or concerns about your Aita, contact SentyTek by messaging [sentyfunball](#) on Discord or BlueSky

If you believe Aita has a defect which could cause a crash or could cause injury, you should immediately contact SentyTek to notify us of the issue.

## Overview

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### Interior

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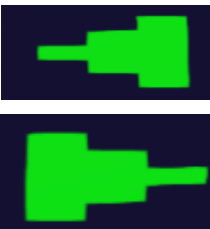

[Physical Controls](#)

# Touchscreens

## Dashboard

The dashboard by default shows the vehicle speed, the gear, the battery charge level, and the regen braking power. When the vehicle is asleep, it shows the time and the Tap to Start instructions. The dashboard also displays other SentyTek SenConnect equipped vehicle positions on the built in map. The dashboard can be changed to one of four layouts by changing the property in the SenCar 6 Max microcontroller before spawning it. In reverse, the dashboard can also show a reverse camera and rear distance alert. It may also display several icons depending on vehicle state:

## Dashboard Icons

 <p><i>"SPORT" or "ECO" - Current Drive Mode</i></p>	 <p><i>Low beams active</i></p>	 <p><i>High beams active</i></p>
 <p><i>Cruise Control on</i></p>	 <p><i>Radar Autopilot armed</i></p>	 <p><i>Radar Autopilot active</i></p>
 <p><i>Electronic Stability Control disabled</i></p>	 <p><i>Turn signals</i></p>	 <p><i>Check engine light - Stop driving Aita immediately and see service.</i></p>

Note: These icons may appear in different places on the dashboard depending on the dashboard layout.

## Widget Display

The widget display displays developer-customizable widgets. Aita by default is equipped with two widgets, a Battery widget and a Weather widget.

The Battery widget displays the instantaneous HV battery usage in swatts/sec, the current battery charge in kilowatts, and the instantaneous regenerative braking current in swatts/sec.

The Weather widget displays the current weather conditions (not accounting for wind) and the estimated range of the car given the battery SoC and weather conditions.

## Radio Display

The Radio Display on the far right of the main display cluster controls the in-car radio system. Tap or hold the Up and Down arrows to adjust the channel. If a channel is found, its signal strength is displayed using four bars, and its audio is played through the car's speaker system.

## Central Display

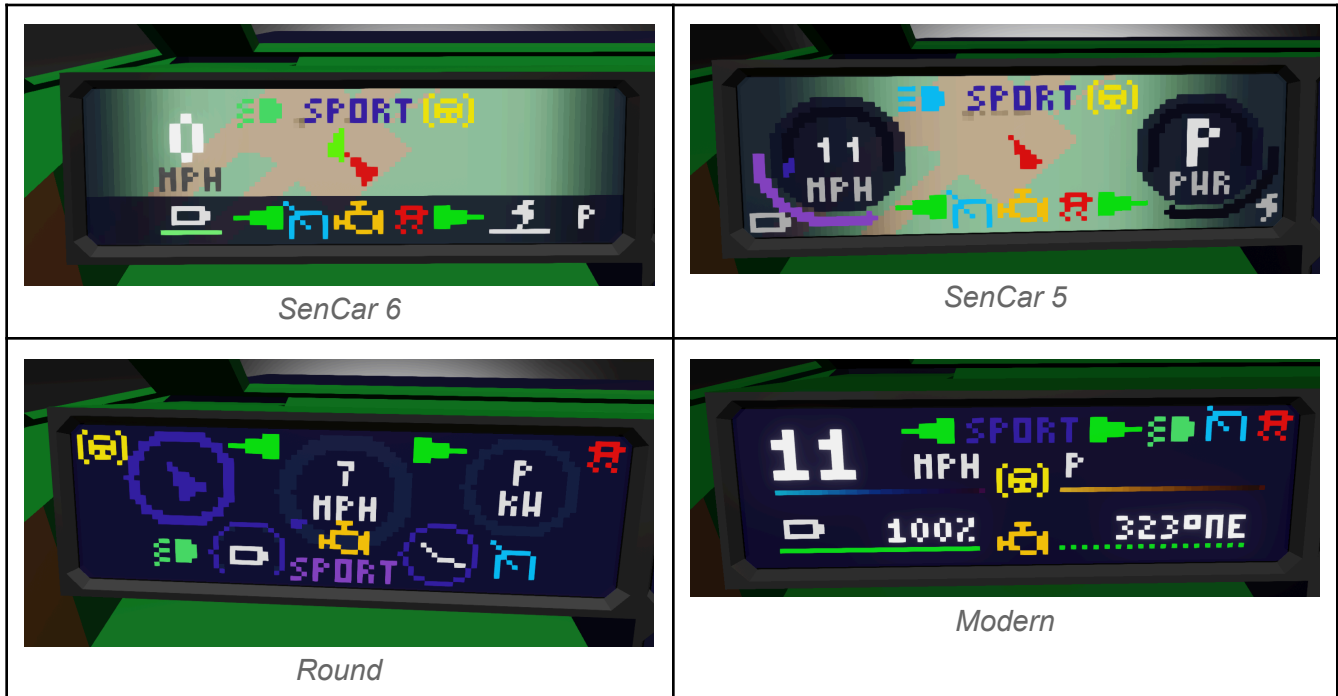
The Central Display is where most interaction in the car happens. There are five apps (Weather, Maps, Info, Car Options, Settings), each having a unique experience that provides information about your car and the world around it. Click on these app icons on the top of the Center Display at any time to open them, each app has controls on the left side of the display, and click on options or open space to do things within apps.

## Settings App

The settings app has several options which may drastically affect the driving experience of Aita.

- Metric - Sets the unit system SenCar uses.
- Manual - Inoperable
- ESC Off - Electronic Stability Control off
- RGB Mode - Party!
- MP Mode - Puts idle displays to sleep, touch them to wake
- Hue Adjust - Change the color of the current theme
- Gradient Res - Adjust the detail of some of the gradients in the OS. Lower will increase performance
- Theme - Change the color theme of the system
- Dark Mode - Dim the displays. This is automatically enabled during nighttime hours.
- SenConnect - Toggle the SenConnect transmitter. Receiving other vehicles will not be affected by this setting
- Auto Sleep - Disable automatically putting the car to sleep after 30 seconds of nobody in the driver's seat
- Pwr Bias - Change the torque vectoring preference between the front or back of the car
- Max Power - Change the max torque for the electric motors
- Radar Offset - Change the L/R offset of the Radar Autopilot, useful when following vehicles on rail roads.

In addition, the dashboard layout can be changed between four options - SenCar 6, SenCar 5, Round, and Modern, by changing the “Dash Layout” property in the SenCar 6 Max microcontroller settings.



*All dashboards shown with all icons enabled - Yours may not show all icons.*

## Specifications

### Loading information:

Never exceed 800 mass loading on Aita, this can cause significant damage. Do not drive Aita at high speeds while carrying more than 200 mass.

### Tire information:

3x3 Suspension Wheel, 1x size factor.

### Motor(s):

2x Small Electric Motor. Single speed fixed gearbox @ 1:3 gearbox ratio.

### Brakes:

Regenerative brakes - 2x Small Generator @ fixed 1:9 gearbox ratio.

Service brakes - 4-wheel anti-lock braking system (ABS) with integrated advanced stability control.

### Batteries:

Low voltage - 8x Small Battery (12 800 SWatts capacity)

High voltage - 1x Simulated battery (256 000 SWatts capacity). 1x XML edited Electric Pump

## Dimensions:

Editor (L x W x H):

21 x 17 x 9 (blocks) / 5.25 x 4.25 x 2.25 (meters)

Spawned:

20 x 11 x 9 (blocks) / 5 x 2.75 x 2.25 (meters)

## Operating Sounds

Aita may make a range of sounds while using the car. Such sounds may include, but are not limited to:

- Startup chimes
- Lock/unlock chimes
- Door(s) open chimes
- Gearbox shifting
- Motor whine
- Radar Autopilot track acquired
- Radar Autopilot track lost
- Klaxon large
- Robotic pivot movement

If you hear an unexpected sound from Aita, such as continuous wheel screeching, stop driving Aita immediately and inspect/repair the car.

## Interior Electronics

### Rear Seats

In the center console facing the rear seats is a touchscreen map and a clock. The touchscreen has Tic-Tac-Toe on it, playable by touching the screen, or if two players are sitting in the rear seats, can also be played in Multiplayer if both players press the M button.

### Center Console & Dashboard

The center console contains the buttons to switch drive modes, labeled "Eco" and "Sport". If both of these buttons are toggled, Eco mode is prioritized.

Below the Drive Mode buttons, to the right of the driver's feet, is the Radio Lock controls. The number shown is the channel needed to lock/unlock the car using the radio, and the arrow buttons cycle the channel.

On the dashboard are two buttons, labeled "SOS" and "Hazards". Turning on SOS will activate a transponder which can be used to summon emergency services. The hazard light flashers can be activated by toggling the Hazards button. To the left of the steering wheel near the driver's feet is a flip switch to disable the front tow connectors.

Note: Aita hazard flashers operate even if the car is locked and turned off.

## Opening and Closing

### Doors

Aita is equipped with four (4) exterior doors that lead into the passenger cabin. To open any of the doors from the outside, first ensure the car is unlocked (see Opening and Closing -> Locking and Unlocking), then simply interact with the handle found to the back side of the door. The door will open automatically, and the cabin dome light will turn on. If the driver's seat is occupied, the door open chime will begin.

To open any of the doors from the interior, you can either interact with the handles, or press the button that is hidden on the front side of any door. The voxel the button is on is colored slightly lighter than the rest of the door panel.

If "AUTO DOORS" is enabled in the Car app, any door will close six (6) seconds after it is opened. In addition, the driver's door will close once the seat is occupied.

Caution: The doors are pivot powered, and may not work with a low LV battery charge level or if the pivot is damaged.

### Window

To open the top sunroof, select the "Sunroof" option in the Car app. This can only be done if the car is unlocked, and the sunroof will close if the car is locked.

## Locking and Unlocking

Aita supports software locking and unlocking of the car. This functionality is disabled by default, but can be enabled by toggling the “CAR LOCKS” option in the Car app in the Center Display while the car is turned on.

**Caution: Do not adjust vehicle settings or options while driving.**

While the Locking option is enabled, Aita will automatically lock the doors five (5) seconds after exiting the seat while the car is off. In addition, Aita can be turned on while it is locked but settings cannot be changed, it cannot be shifted out of park, and the top window cannot be opened.

A handheld radio is included with the vehicle, found to the left of the steering column, which functions as a key used to remotely lock and unlock the car. To use this key, tune the radio to the channel shown on the instrument panel on the bottom-front of the center control.

To lock the car using the key tuned to the appropriate channel, quickly double press the activate button on the key. The car will flash the low beams twice and a chime will sound to confirm.

To unlock using the key, hold the activate button for at least 0.7 seconds. The car will flash the lights once to confirm. If you are close to the driver’s side door, the driver’s door will automatically open upon unlocking.

**Caution: Be sure to memorize the indicated channel on the center console before the vehicle locks. This indicator will show a “9” when locked instead of the correct channel. The radio channel can be changed by pressing the buttons to the side of the channel indicator while the car is unlocked.**

In case you do not have the remote key and the car is locked, enter the channel the radio would be tuned to onto the keypad found on the driver’s side B pillar. The car will flash the lights once to confirm unlocking, although the driver’s door will not automatically open.

**Caution: Remember to zero out the keypad after unlocking the car to prevent others from seeing what the vehicle’s remote lock channel is.**

# Storage Areas

## Rear Trunk

To open the rear trunk, ensure Aita is in park, then do one of the following:

- Toggle the “Trunk” option in the Car app on
- Press the “Trunk” button located on the back of the car near the bottom

**Caution:** Check that the area around the trunk door is clear before opening the trunk

To close the trunk, do one of the following:

- Toggle the “Trunk” option in the Car app off
- Press the “Trunk” button located on the back of the car near the bottom

The block that the trunk button is on is colored brighter than the rest of the trunk’s interior. The trunk can be opened while the vehicle is driving from the inside. The rear trunk can be opened while the car is locked.

**Caution:** Ensure the rear trunk is closed before driving Aita.

## Rear Seats

The bench seat in the rear can be folded down. Select the “Fold seats” option in the Car app to fold these seats down. This will allow access into the rear trunk of the car. Unfold the seats by toggling the “Fold seats” option in the Car app to off.

**Caution:** Do not fold the seats while any of them are occupied.

## Front Trunk

To open the front trunk, ensure Aita is in park, then do one of the following:

- Toggle the “FRONT TRUNK” option in the Car app on
- Press the “Front Trunk” button located to the top-left of the SentyTek logo on the front of the car

This same procedure can be used to close the front trunk. The front trunk cannot be opened when the car is locked.

Inside the front trunk are several components essential to vehicle function:

- The Autopilot radar
- The high voltage battery disconnect, labeled “HV MOTOR BATTERY DISCONNECT”

- Turn indicator sound cue
- Charging circuit relay
- Lock/Unlock radio, Music radio, SenConnect radios
- SenCar 6 Extas microcontroller

Caution: If any of these are damaged, vehicle functionality will be reduced and can lead to vehicle damage or serious injury of your player.

Caution: Ensure the front trunk is closed before driving Aita.

## Interior Storage

There are several areas to store equipment in Aita. The included radio key slot can be reused for other purposes, and is connected to power. There are also two small equipment storage blocks to the right of the Center display on the dashboard. A first aid kit is located on the top of the Center Control, and below the rear driver's seat closest to the door.

## Connectivity

### SenConnect

Aita is equipped with SenConnect v1.2 for SenCar. This means that other SenConnect equipped vehicles (such as Descheeto 2023+, Moraine 2023+, and Horizon 80) can see your location on the dashboard map. This functionality can be disabled by toggling "SenConnect" option to off in the Settings app. SenConnect has a transmitting range of 2,000 meters, and a receiving range of 1,100 meters.

### Remote lock

Aita can be unlocked and locked with a handheld radio, included to the left of the driver's steering column. The locking and unlocking functionality can be disabled by toggling the "Car lock" option to off in the Car app.

# Driving

## Power on and off

When you approach Aita, the vehicle automatically turns on the displays and prepares for driving. While turned off, the SenCar 6 dashboard shows the time and “Tap to start”, along with any doors open or a lock indicator if locked. Once seated in the Driver’s seat, simply tap the dashboard display in front of you to turn on the car fully. Then from park, tap up arrow once to shift into reverse, twice to shift into neutral, or three times to shift into drive.

To power off, simply shift the car into park, and leave the car. The displays and car will automatically turn off after 30 seconds, and the displays will fully power down when you are no longer near Aita. If car lock is enabled, the vehicle will lock 5 seconds after the driver seat is no longer occupied, whether the vehicle is in park or not.

## Hotkeys

Aita uses seat hotkeys to make driving easier to allow you to use your keyboard or mouse to control functions on the car. A list of available hotkeys is as follows:

- Num 1: Cycle light mode (off - low beams - high beams)
- Num 2: Enable Autopilot (single press for Cruise Control on/off, double press for Radar autopilot, hold to resume Cruise speed)
- Num 3: Flash High Beams
- Num 4: Show reverse camera on Widget display (aita1,2 only)
- Left/right arrows (axis 4): Left/right indicators
- Up/down arrows (axis 3): Shift gears or adjust Cruise speed
- Space (trigger): Horn

## Lights

Aita is equipped with several lights to adhere to Stormworks Federal law. These include the Adaptive Headlights, interior lights, Daytime Running Lights (DRL), turning signals, reverse indicators, and tail brake lights.

## Headlights & High beams

The headlights on Aita are automatically enabled during the nighttime hours. This behavior cannot be disabled, but the headlights can be disabled during the night. The headlights can be enabled by pressing hotkey 2 (See Hotkeys), and press hotkey 2 again to enable the high beams. Press hotkey 2 once more to disable the headlights. Flashing the high beams is possible by holding hotkey 3

The headlights are steerable, and they will automatically steer with the curve of the car. Dark Mode is automatically enabled for most interior screens during nighttime hours.

A green lamp icon is shown on the dashboard when the low beams are on, and a blue lamp icon is shown when the high beams are on. The low beams also flash to indicate the locking and unlocking of the car (if enabled).

**Caution:** Do not disable the headlights during the night. This may reduce front visibility.

## Interior Lights

The interior lights automatically turn on if any of the four interior doors are open, and turn off when all doors are closed. The interior lights can also be turned on by enabling “Dome Light” in the Car app while the car is turned on. The “Night Light” option can be enabled alongside Dome Light to dim the dome light, and “Rave Mode” can be enabled to have a party using the interior lights.

## Daytime Running Lights

The daytime running lights emit no forward light, and are always enabled when the car is on. They automatically turn off when the car is off.

## Turn signals & hazards

To enable the turn signals, press the left or right arrows (seat axis 3) while in the driver’s seat. To disable, press the button again. The hazards can be enabled by pressing the Hazards button to the right of the steering wheel on the dashboard. A chime sounds during turn signal or hazard operation.

Aita has automatic canceling turn signals that will turn off the blinker after a sharp enough turn is detected.

## Brakes

Aita is equipped with two main methods of braking: regenerative braking and standard friction braking. Regenerative braking uses geared up generators to slow down the car by generating electricity using the car’s speed. Regenerative braking is always enabled, and is the primary braking method above 35 mph (55 kmh). Below that speed, or under heavy or consistent braking, the friction brakes will engage to assist in slowing down the vehicle. The friction brakes are also used when the car is in park, locked, or turned off to keep the vehicle stationary.

Regenerative braking is capable of charging the high voltage battery with a ~20% efficiency, meaning for every 100 km of driving, regenerative braking is on average capable of adding up to 20 extra km to the car's range. Regenerative braking will also charge the low voltage battery pack that powers the remaining electronics on the car.

## Stopping modes

If Sport mode is enabled, the brakes are more sensitive and more powerful.

If "Creep" is enabled in the Car app, then when at or near a complete stop, the motors will continue to apply torque to roll the vehicle forward slowly, similar to a conventional vehicle with an automatic transmission. In some situations, such as on a steep hill or driveway, you may need to press the accelerator pedal to continue moving or to prevent Aita from moving in the opposite direction.

**Caution:** Never rely on Creep to apply enough torque to prevent your vehicle from rolling down a hill. Always press the brake pedal to remain stopped or the accelerator pedal to proceed up the hill. Failure to do so can result in property damage and/or a collision.

**Caution:** Always press the Brake pedal if Aita moves unexpectedly or when unsafe to move. It is your responsibility to stay alert and be in control of the vehicle at all times. Failure to do so can result in serious damage to the car.

## Drive Modes

### Chill

Limits acceleration and reduces steering sensitivity for a more gentle ride. When enabled, "Chill" displays on the Dashboard.

### Sport

Enables Launch Control, increases steering sensitivity, and maximizes the acceleration provided by the car. Launch Control will provide the best possible launch from a standstill automatically.

## Minimizing lag

Aita can cause some lag when spawned on servers. Some tips to reduce lag are as follows:

- In Settings, turn on “MP Mode”. This disables touchscreens that are not being actively used
- Reduce the Gradient Resolution to minimum to reduce draw time
- Use SenCar 6 dashboard layout (Default)
- Turn off the dome light or close the trunk to minimize enabled lights
- Turn off Radar Autopilot and AEB to reduce radar lag
- Don't allow players to sit in the rear seats, which will enable the tic-tac-toe displays

Caution: It is **STRONGLY** recommended not to disable Automatic Emergency Braking except in extreme scenarios. AEB is designed to reduce the impact of frontal collisions only. Aita may be severely damaged despite the use of AEB.

## Safety and Automations

### Cruise Control

Cruise control roughly maintains a set speed, preferring to slightly undershoot. Enable it by pressing Hotkey 2 (“2” key by default) once. A green cruise control icon will be displayed on the dashboard. Cruise Control does not enable below 15 mph (25 kmh). When Cruise Control is enabled, you are still responsible for steering Aita. Cruise Control will disable when Hotkey 2 is pressed again, or when the brake is applied. The Cruise Control set speed cannot be adjusted while it is active, its set speed is the speed the car was going when activated.

### Radar Autopilot [BETA]

Radar Autopilot attempts to follow a car in front of you and steer towards it automatically. To activate, ensure Cruise Control is disabled, and quickly double press Hotkey 2 (“2” key by default). A blue cruise control icon will be displayed on the dashboard. Radar Autopilot [BETA] does not enable below 15 mph (25 kmh).

When a vehicle is in range of the radar (roughly 300 meters in front of the car, 30 degrees to either side of the car, and 20 degrees above and below the car) and the radar has gained track, a yellow steering wheel icon will display on the dashboard, and Aita will relinquish control from you and begin to steer towards and follow the car in front. Pressing Hotkey 2 once again will disable Radar Autopilot.

Caution: Radar Autopilot is in BETA, and is a hands-on assistive feature. If Aita does anything unexpected during Radar Autopilot, immediately disengage and return control of the car.

Caution: You have no control of the car while Radar Autopilot is tracking & following. Be attentive on the road and be prepared to disengage at any moment.

Caution: If Radar Autopilot is enabled but no track is found, then no Cruise Control is set and you have full control of the vehicle.

Note: If you are having desync issues in Multiplayer, where STC might be taking up significant amounts of time, disable Radar Autopilot and Automatic Emergency Braking using the Car app. This will disengage the radar and prevent this type of lag.

## Automatic Emergency Braking

Radar Autopilot [BETA] also has an Automatic Emergency Braking feature, which can be disabled in the Car app. Aita can determine the distance from detected radar objects, and when a front collision is near, Aita will automatically apply full brakes to reduce the vehicle's speed and therefore the severity of the impact. A chime is also sounded just before AEB activates and while AEB is in progress.

Caution: It is **STRONGLY** recommended not to disable Automatic Emergency Braking except in track scenarios. AEB is designed to reduce the impact of frontal collisions only. Aita may be severely damaged despite the use of AEB.

Caution: AEB is **NOT DESIGNED** to avoid a collision, only to reduce collision severity. Several factors may affect the performance of AEB. AEB is not an excuse to not maintain safe distance between you and the vehicle in front of you. Always maintain awareness on the road, and never depend on AEB to prevent a collision.

## Rear Collision Warning

Aita is equipped with a Rear Collision Warning (RCW) system that attempts to prevent collisions when the car is in reverse. This system is enabled by default, and uses the rear distance sensor to stop the car before impacting a wall. This functionality can be disabled by toggling the "RCW" option in the Car App. RCW will override throttle inputs if collision is imminent. No audible warnings will sound, but the the rear distance on the dashboard will turn red if too close and RCW is about to activate.

## Active Aero

Aita Performance (aita1,3) has active aerodynamic control based on speed and driver inputs, designed to maximize performance and tire grip. This cannot be disabled.

## Charging & Maintenance

### Electrical Components

Aita contains several important electrical components necessary for the vehicle to function correctly:

- High Voltage battery
- Drivetrain assemblies
- Low voltage batteries
- Charging port & charging detector
- Lock/Unlock radio
- Front Autopilot radar

In addition, several microcontrollers are necessary for vehicle functionality:

- SenCar 6 Max EV
- SenCar 6 Extas
- Motor Control Unit
- Door Controller
- Smart Proximity Lock
- Brake Lights

### Battery Information

Low voltage - 8x Small Battery (12 800 SWatts capacity)

High voltage - 1x Simulated battery (256 000 SWatts capacity). 1x XML edited Electric Pump & 1x Hardpoint Connector Attachment

## Charging Instructions

The charge port is located on the rear driver's side of the car, above the wheel well. To open it, press the Charge Port button in the Car app. Connect any Electric Cable to the yellow cable anchor in the charge port to charge the car. The car can be fully charged from a sufficient power supply in ~1 minute.

Unplug the cable when charging is finished, and close the charge port before driving.

**Caution: Do not drive Aita with the charging cable connected or the charge port open**

## Getting Maximum Range

### Factors affecting energy consumption

- High driving speed
- Harsh acceleration
- Sport mode
- Uphill driving
- Short trips & Stop-and-go traffic
- Heavy cargo
- Customized settings
- Environmental settings such as wind

### Tips to maximize range

- Slow down your driver and avoid frequent or rapid acceleration
- Use Chill/Eco mode
- Set the stopping mode to Hold (disable Creep)
- Disable features such as Radar Autopilot

## Towing Aita

While Aita cannot tow anything itself, it can *be* towed. Aita supports the standard C4V Advanced Towbar with a width of **7 blocks**. The electrical connectors are located on the front bumper of the car underneath the DRLs. Always ensure that Aita is in Neutral before towing, doing otherwise may damage Aita or the vehicle towing it. SentyTek recommends towing Aita using a flatbed trailer.

Aita is equipped with a singular Rope Anchor, located on the rear of the car underneath it in the center. This can be used for pulling Aita out of situations where using the towbar may be dangerous.

If Aita has no power, SentyTek recommends jump starting the car before towing it to ensure the car can be shifted into neutral. (See [Jump Starting](#))

## In Case of Emergency

### Collision

In the event of a collision, prioritize the safety of all occupants.

1. **Assess Injuries:** Check yourself and any passengers for injuries. If anyone is injured, call for emergency services immediately.
2. **Move to Safety:** If possible and safe to do so, move Aita to the side of the road or a safe location away from traffic.
3. **Activate Hazards:** Turn on the hazard lights by pressing the "Hazards" button on the dashboard. This will alert other drivers to your presence.
4. **Contact Emergency Services (if needed):** If the collision is serious or involves other vehicles, contact emergency services. If Aita's SOS transponder was activated (see [Interior Electronics](#)), emergency services may already be aware of your location. If not, press the SOS button.
5. **Inspect Vehicle:** Once it is safe, inspect Aita for visible damage. Pay particular attention to the high voltage pump battery and drivetrain assemblies.
6. **Do Not Touch Damaged Electrical Components:** Avoid contact with any exposed or damaged electrical components.
7. **Power Off Vehicle:** If the vehicle is still operational, shift into park and exit the vehicle to allow it to power off automatically after 30 seconds.
8. **Towing:** If Aita is undriveable, arrange for towing. SentyTek recommends towing Aita using a flatbed trailer. Ensure Aita is in Neutral before towing (see [Towing Aita](#)). If the car has no power, you may need to jump start it to shift into neutral (see [Jump Starting](#)).

Caution: If you observe any damage to the high voltage battery, drivetrain assemblies, or any other electrical components (see [Electrical Components](#)), do not attempt to drive Aita. Repair the vehicle immediately. Driving a damaged EV can pose a serious risk of fire or electrical hazard.

# Troubleshooting

## Running out of Range

In the unlikely event your vehicle runs out of range while driving, pull over when safe to do so and contact roadside assistance to tow. Once near a charger, ensure the vehicle has power and plug it in. If the touchscreens do not work, flip the Emergency Charge Port Open switch, located in the back of the rear driver's wheel well.

Overall, if Aita is running low on range, just like any car, attempt to find a charging station immediately, or stop driving Aita when it is safe to do so.

## Unable to Charge

If Aita is unable to charge, first ensure the charging cable is properly connected to the charge port and the power source. Verify that the power source is active and providing sufficient power. If the issue persists, check the "Charging Circuit Relay" button located in the front trunk for any visible damage, and ensure this button is turned ON. If the touchscreens are unresponsive, you can manually open the charge port by flipping the "Emergency Charge Port Open" switch, located in the back of the rear driver's wheel well. If these steps do not resolve the issue, contact SentyTek service.

## Jump Starting the LV Battery

If using another vehicle to jump start Aita, refer to that vehicle's instructions as well.

The cable anchor needed to jump start Aita is located under the car, near the rear passenger wheel, and is not accessible from above or around the car. Plug this cable into any fully charged power source (such as a workbench battery or another vehicle) to charge the low voltage batteries. It may take several minutes to charge the batteries. When finished, disconnect the cable and ensure all onboard systems are functional before driving.

Aita should only be jump started if the low voltage battery is below a State of Charge that is comfortable for usage.

## Jump Starting the Glitch Battery

In the unlikely event the physical HV battery (see [Electrical Components](#)) is damaged and does not retain its electrical level, the battery may be restarted by supplying power to the charge port. The charge port pivot (located on the left wall of the trunk) will need to be damaged to open. If the glitch gen is unable to recover, the vehicle will need to be respawned.

## Software Crash

In the unlikely event that any of the displays crash, the vehicle will remain fully functional drive-wise, however, you should pull over immediately. Stormworks does not let vehicles attempt to restart their scripts, so the only solution to this is to respawn Aita.

If the Drive Computer script crashes, or any of the minor scripts scattered throughout the crash, the vehicle must be respawned immediately and may not be able to safely stop. Script recovery is impossible in Stormworks.

## Red Alert

If an alert pops up on the Central Display saying “PULL OVER SAFELY. UNABLE TO DRIVE. LUA CRASHED”, you should pull over immediately. This indicates a critical fault with the main systems of the car, and it is unable to drive safely. Schedule service immediately. Note that sometimes, red alerts may disappear after a minute if playing in Multiplayer.

## Welding Torch

A welding torch (as required) is located on the roof of the trunk. It can be accessed from both in and outside the truck.

## Submersion

**DO NOT DRIVE AITA ON ANY FLOODED ROADS OR WATER DEEPER THAN 3 BLOCKS.**

In the event that Aita has been submerged, SentyTek advises against driving the vehicle underwater, and instead the car should be towed to dry land.

# Service Manual

# Service

The following is various service information that can be useful when performing work on Aita. Copyright SentyTek Automotive Limited 2026, a subsidiary of SentyTek Corp.

## Best Practices

When conducting service on Aita, it is best to operate in a safe and secure manner. Best practices include:

- Park the car on a flat surface away from walls or other intruders
- Set the following settings in SenCar:
  - Auto Sleep: OFF
  - Auto Doors: OFF
  - Door Chime: OFF
  - Doors: OPEN
  - Front Trunk: OPEN
  - Trunk: OPEN
- Disconnect the high voltage battery from the motors using the switch inside the front trunk
- Lift the car up using a SentyTek approved two or four post car lift
  - Note that on aita1,2 there are four slightly lighter colored surfaces on the undercarriage. These are the lift points.



- 
- In addition, please note the location of the Center of Mass (CoM) of Aita before lifting it.



- - Turn on Debug MCs button under the car

When service is finished, do these steps in reverse before returning the car to a consumer.

## Script Monitor Module (SMM)

The SMM monitors 17 scripts in the car to ensure they are online, allowing easy diagnostics of failed scripts or microcontrollers. To use the SMM:

- Park the car and lift the vehicle
- Under the car, press the “Debug SenCar” button
- Looking at the SenCar 6 Max EV mc, note the SM\_SCRIPT value, a number 0-17
- Refer to the following list to determine the faulting module:

- 1 = AppMap
- 2 = AppInfo
- 3 = AppWeather
- 4 = AppCar
- 5 = AppSettings
- 6 = DisplayCentral
- 7 = DisplayMedia
- 8 = DisplayWidgets
- 9 = DisplayDash1
- 10 = DisplayDashIcons
- 11 = DisplayDash2
- 12 = StartupTiming
- 13 = Odometer
- 14 = ScriptMotor
- 15 = ScriptBattery
- 16 = ScriptVPedal
- 17 = MCEXtras

- In addition, the SM\_REASON value maps to
  - 1 = LUA\_CRASH
  - 2 = MC\_DAMAGE
  
- If the reason is 2, the vehicle can be recovered by repairing the faulting controller and resetting the SMM (Press the “Reset SM” button under the car). If the reason is 1, then find the faulting microcontroller, note down the error from the Lua script, and respawn Aita. Incorrect or desynced codes are reset after 1 minute.
  - Scripts 1-13 are located in the “SenCar 6 Max EV” MC under the car
  - Scripts 14-16 are located in the “Drive Computer” MC in the backseat headrests of the car
  - Script 17 is located in the “SenCar Extras” MC in the front trunk

## Car App output

In order of composite output. Note that output from SC Extras is in order, however output from the SC6 MC itself is N + 3. (i.e extras MC channel 1 is AEB, SC6 output 4 is AEB).

- AEB
- Auto Doors
- Car Locks
- Charge Port
- Creep
- Dome Light
- Door Chime
- Doors
- Fold Seats
- Front Trunk
- Heater
- Klaxon Large
- Megaphone
- Night Light
- Rave Mode
- Rear Collision Warning
- Sunroof
- Trunk

## Welding Locations

There are several important locations to weld the car after an impact event that may repair hidden damage:

- The entire vehicle undercarriage

- Each of the wheel wells
- Inside the front trunk
- Invisible MCs on top of the car and on top of the trunk door

## Composite List

### SenCar 6 Max EV

To MCU:

N:

1. W/S Axis
2. SC Brakes (Unused)
3. Gear
4. Drive mode
5. SC power bias
6. SC max power

B:

1. Car started
2. Car locked
3. Cruise state
4. Reverse/neutral
5. Unused?
6. Creep state
7. ESC armed state
8. Radar AP state
9. Cruise resume pulse
10. Rear Collision Warning

Other outputs:

N:

1. Gear
2. A/D Axis
3. Radar Offset value

B:

1. Radar AP state
2. Car started
3. AEB armed state
4. ESC armed state
5. Eco DM
6. Sport DM

SenCar 5 Extras Micro and SenConnect

N:

1. Odometer in current units

B:

1. DisplayMusic CH up
2. DisplayMusic CH dn
3. Enable SC

## MCU2/Drive Computer

To sencar:

N:

1. Motor command
2. HV battery level %
3. Clutch value for regen brakes
4. Friction brakes
5. Regen gens value
6. HV battery level exact
7. HV battery use/tick
8. Rear distance sensor
9. ScriptMotor alive indicator
10. ScriptBattery alive indicator
11. ScriptVPedal alive indicator
12. (aita1,3) VPedal value

B:

1. Car started
2. Reverse/neutral
3. Inop
4. Motor command desync failure latch
5. Charge circuit relay

## Smart Proximity Lock

Data out:

N:

1. Radio lock channel

B:

1. Car locked
2. Seat occupied
3. Player near during radio unlock
4. SC locks enabled

## SenCar 6 Extras

Car App Output:

N:

1. Radio channel

B:

- 1-29. Car app output

30. Seat occupied
31. Car locked
32. Constant on

SenCar 6:

N:

1. Radio channel
2. Radio signal strength
3. Clock block
4. Rain sensor
5. Inop
6. Inop
7. Fog sensor
8. Temperature sensor
9. Script alive indicator

B:

1. Constant on
2. Radar AP active
3. Radar AP alive
4. Constant on
5. Car locked

## Debug Values

When the car is parked and lifted, a service technician can inspect debug values from important microcontrollers.

### SenCar 6 Max EV

- SMM\_REASON - Reason for failure from SMM. 0 - clear 1 - Lua crash 2 - MC damage
- SMM\_SCRIPT - Failed script ID from SMM (See [SMM](#))
- SMM\_CRASH - If a crash has been detected. 0 - no 1 - yes
- ODO\_VALUE - Value of the odometer
- ODO\_TIME - Time value of the odometer
- TRANS\_GEAR - Gear value from the transmission. 0 - park 1 - neutral 2 - reverse 3 - drive
- SC\_MAINLIGHTSTATE - Headlight state. 0 - off 1 - low beams 2 - high beams
- SC\_PWR - Power state. 0 - off 1 - on

### Drive Computer

- MS\_MOTORCMD - Ideal value commanded to motors before power bias

- BC\_HVBAT - % Value of HV battery
- DC\_FRIC - Value given to friction brakes
- MS\_VPEDAL - Value of the virtual pedal

## SenConnect for SenCar

- SCNM\_X1/2/3/4/5 - Frequencies of other detected SenConnect vehicles
- SCNM\_SELFFREQ - Frequency of the current vehicle. Static value.
- SCNM\_SCANNER - Frequency of the scanner radio. Scans from 100-200 searching for signals, then spends 10 seconds looping through detected (X1-X5) frequencies. If none are found, stays at 201 for 10 seconds.

## Door Controller

- SCDM\_FL/FR/RL/RR - Current pivot targets for each cabin door
- SCDM\_AUTODOORS - Automatic door open/shut state. 0 - disabled 1 - enabled

## Jupiter Radar Driver

Several changes were made to Jupiter Radar Driver for Aita, including

- Composite CH 1 activate signal instead of on/off node
- Constant On output on channel 22 of “New Seat Comp” to indicate MC alive state
- SR latch + AND connected to gain/lose track nodes AND activate - to channel 23 of “New Seat Comp” to indicate currently following or not
- Added very basic AEB