



SMART THROTTLE USER MANUAL

MULTI FUNCTION
THROTTLE CONTROLLER
WITH APP INTERFACE





ELITE DRIVE



ELITEDRIVE Smart Throttle**Advanced Multi Function Throttle Controller with App Control****USER MANUAL****Thank You for Purchasing the Elitedrive Smart Throttle**

* If this product is given to another user, make sure to include this User Manual

**Unsure about Installation?**

If you are unsure about carrying out the installation procedures yourself, please consult with your car dealer or mechanic.

Only use with Manufacturer's Original ECU

Do not install this product if the ECU is not the original ECU or if a sub-ECU is being used. This throttle controller works with Plug n Play Tuning kits & most ECU tunes.

Modifying this Product is Forbidden

Under no circumstances should any modification or changes be made to this product. Doing so may cause damage, not only to the product but also to the vehicle to which it is installed.

Warranty Info

This product is covered by an extensive 3 Year Warranty. For all warranty questions, claims and enquiries, contact Elitedrive.com.au directly.

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WARNING

Improper use or disregard of these warnings may cause results in injury or death

- When switching modes, make sure to stop the vehicle and apply the Park brake. If you change settings while driving, you may accelerate faster than you want so it is very important not to make changes while driving, especially in traffic.
- Do not work where there is excessive exhaust gas. Due to vehicle exhaust emissions, poisoning or fire may be the result.
- Do not crush the cable. Please be careful that the cable does not get crushed by the seat rail, door steel plate, hinge or any other part. If there is a poor connection caused by crushing or cutting of the cable, an electrical short may occur, and this can possibly cause a fire or other danger.
- While driving, DO NOT operate switches or pay prolonged attention to the display : it is extremely dangerous to be distracted.
Make sure that all wiring and fastening down of the product and cable does not interfere with driving, nor be done in such a way as to cause poor connections

CAUTION

Improper use or disregard of these warnings may cause damage to the product or the vehicle it is installed into.

- ELITEDRIVE assumes no responsibility, in any manner whatsoever, for damages to your product or vehicle, nor for any accidents that are the result of the misuse of this product.
- Please confirm that the type of vehicle you wish to install into, is listed on the ELITEDRIVE vehicle application list.
- When installing this product, we recommend that if technical knowledge becomes necessary, please consult a qualified mechanic.
- If the device is improperly installed or settings have been improperly made, a CHECK Lamp map appear on your dashboard.
- Do not, in any manner, take apart, modify or make changes to this product.



Display Controller
(To indicate modes & operation)



Adaptor & Cables
(To change the response of the throttle)



Zip Ties
(to fix cables)



User Manual
(Product Introduction & Instructions)

Introduction to the Display Interface

Display Screen Shows
the Current Mode



Performance Characteristics

9 Driving Mode Throttle Controller with App Interface	Simple interface, practical features. One touch to increase or decrease response. Multiple Interface options to match your dash and multiple transmission/gearbox options.
COMFORT Mode	Improved Throttle Response Suitable for Road Driving
SPORT Mode	Faster Throttle Response Suitable for Road Driving
RACE Mode	Fastest Throttle Response Suitable for Racing & Drift Driving
I-AUTO Mode Intelligent Automatic	The Elitedrive Smart Throttle will identify a driver's habits and automatically provide the best response speed. If the driver is gentle, the response will be slower. If the driver is aggressive, the response will be faster.
TOW Mode	Increased Throttle Response to aid when Towing Suitable when towing any trailer or caravan or driving with a heavy load
OFFROAD Mode	Reduced Throttle Response Suitable when Offroad to improve available traction and to avoid surging when driving on a bumpy road
ECONOMY Mode	Reduced Throttle Response Suitable in Heavy Traffic to promote fuel savings
OVERTAKE Boost Mode	Maximum Throttle Response for safer overtaking Suitable when you need maximum response
NORMAL Mode	Restores Factory settings
LEARNING Mode	If the driving experience is not perfect and there is surging or delays, run the Learning Mode to reset to Factory
THROTTLE LOCK Mode	Use your own PIN Code to lock your throttle Ideal to add an additional layer of vehicle theft prevention

Performance Characteristics

Rumble Mode	Giving you 6 preset engine idle sounds and customization options to give your vehicle a unique exhaust note.
Easy Installation	Connect the throttle controller plug with the vehicle. Install takes only a few minutes.
Low Power Use	The controller has a low power consumption and its system works without an external power source.
10 Levels of Response	The modes - COMFORT - SPORT - RACE - ECONOMY - TOW and OFFROAD each have ten levels of response from 0-9 as you cycle through the setting using the right button or the ARROW buttons on the App Interface.
Automatic & Manual Specific Modes	<p>The sensitivity of the accelerator is better suited for a traditional Automatic gearbox when set to Auto.</p> <p>The sensitivity of the accelerator is better suited to Manual gearboxes when set to Manual.</p> <p>Constant Velocity Transmissions which are considered by many as Automatic gearboxes, may benefit from being set to Manual.</p> <p>We have developed 2 x Automatic Gearbox & 2 x Manual Gearbox/Transmission settings for a range of adjustments to suit DSG, DCT, CVT, regular Automatic and Manual vehicles. Please experiment for the best result.</p>
Lock Mode (anti-theft function)	The vehicle can be locked by setting a PIN Code on the Bluetooth App. The locked pedal will not operate, even when the vehicle is started. Once the PIN Code has been entered, the pedal will unlock and you can drive again. This function was designed to introduce an additional layer of security to most vehicles and can be used with or without the App, as set by the user in the menu.
App Interface Options	With so many variable dashboard designs across car different manufacturer's, we have introduced a choice of interfaces to compliment your vehicle's interior design.
Dual Channel Tracking	Dual Channel correlation dynamic tracking ensures reliable monitoring of signals.
Regular App Updates	With future updates available, expect more colour scheme options to download and more customization to suit your vehicle interior along with language choices, background image options and new technologies as they are developed for the Elitedrive Smart Throttle.

INSTALLATION

- 1 - Ignition OFF. Turn off internal lights and leave driver's door open
- 2 - Allow 10 minutes for **all** power to drain out of the vehicle ***
- 3 - Unplug the Original Car Plug
- 4 - Insert the matching Elitedrive Connector into the Original Socket
- 5 - Insert the Original Car Plug into the Elitedrive Adaptor Plug
- 6 - Insert the Adaptor Cable into the Connection Box
- 7 - Stick the Controller on the dashboard and run the cable down to the Connection Box and insert it
- 8 - Tidy all cabling with zip ties, ensuring there is no cabling hanging down and interfering with the operation of the pedals/vehicle
- 9 - Start the vehicle and test the operation of the Smart Throttle



Clean the location on the dashboard you want to stick the Display Face with the supplied alcohol wipe

*** For Vehicles featuring KEYLESS ENTRY, please keep keys away from the vehicle during the installation process



Operation Guide

- 1** Start your engine
- 2** Press Mode Button to Switch Modes



On Normal Mode, Press the M Button to cycle to the Mode you require. You can then fine tune using the Add & Subtract Buttons to adjust the intensity.

Modes of Operation

COMFORT MODE



**REMOTES THROTTLE LAG FOR REAL TIME RESPONSE
AND ENHANCED PERFORMANCE**

Modes of Operation

OFFROAD MODE



REDUCED THROTTLE RESPONSE GIVES YOU
MAXIMUM VEHICLE CONTROL

ECONOMY MODE



DECREASE THROTTLE RESPONSE FOR A SMOOTH DRIVE
ENHANCING FUEL CONSUMPTION & EMISSIONS OUTPUT

Modes of Operation

SPORT MODE



**FASTER RESPONSE AND INSTANT PULL
OUT OF CORNERS**

RACE MODE



**THE ULTIMATE ACCELERATION & REAL TIME THROTTLE
RESPONSE FOR MAXIMUM PERFORMANCE**

Modes of Operation

TOW MODE



ULTIMATE RESPONSE & PERFORMANCE
FOR ALL TOWING CONDITIONS

INTELLIGENT AUTO MODE



INTELLIGENTLY ADJUSTS TO YOUR DRIVING STYLE
(SET & FORGET - NO ADJUSTMENT REQUIRED)

Modes of Operation

NORMAL MODE



RETURN THE VEHICLE TO THE ORIGINAL THROTTLE SETTING

OVERTAKE BOOST MODE



FOR INSTANT OVERTAKING RESPONSE, PRESS THE M AND HOLD FOR 3 SECONDS TO ENTER THE OVERTAKE MODE.

Changing Transmission Modes

SELECTING AUTOMATIC AND MANUAL MODES

PRESS AND HOLD THE RIGHT ARROW BUTTON FOR 3 SECONDS TO SELECT THE NEXT TRANSMISSION SETTING CYCLING THROUGH MODES A1, A2, M1 AND M2



Modes of Operation

LOCK MODE - ANTI THEFT FUNCTION



ONCE LOCKED, THE THROTTLE WILL NOT WORK, EVEN WITH THE ENGINE RUNNING.

ENTER LOCK MODE - PRESS THE M BUTTON AND THE LEFT ARROW TOGETHER FOR 3 SECONDS TO ENTER LOCK MODE. THIS WILL DISPLAY 000. NOW USE M BUTTON AND LEFT AND RIGHT ARROWS TO ENTER A 3 DIGIT PASSWORD (YOU MUST REMEMBER THIS PASSWORD), THEN PRESS M BUTTON AND LEFT ARROW FOR 3 SECONDS TO ENTER LOCK MODE, DISPLAYING LOC ON SCREEN.

EXIT LOCK MODE - PRESSING ANY BUTTON WILL DISPLAY 000. NOW USE M BUTTON AND LEFT AND RIGHT ARROWS TO ENTER THE 3 DIGIT PASSWORD. THEN PRESS THE M BUTTON AND THE LEFT ARROW TOGETHER FOR 3 SECONDS. THIS WILL EXIT THE LOCK MODE AND DISPLAY THE LAST USED MODE.

Modes of Operation

SETUP MODE - LEARNING FUNCTION



THIS PRODUCT HAS BEEN MATCHED WITH THE CORRESPONDING MODEL AT TIME OF DELIVERY. SETUP MODE IS ONLY REQUIRED IF THERE ARE COMPATIBILITY ISSUES SUCH AS HIGH IDLING SPEEDS, POOR ACCELERATION AND SURGING.

WE HAVE INCLUDED A SETUP FUNCTION TO MATCH THE VEHICLE DATA TO OUR LEARNING SOFTWARE.

SETUP MODE AS FOLLOWS - TURN ON CAR POWER BUT DO NOT START THE CAR. HOLD DOWN BOTH LEFT AND RIGHT ARROWS FOR 5 SECONDS. THE CONTROLLER SCREEN SHOWS A 15 SECOND COUNTDOWN. PRESS THE ACCELERATOR PEDAL TO THE FLOOR & HOLD FOR 2-3 SECONDS. LET GO AND WAIT FOR THE COUNTDOWN TO FINISH. IF SUCCESSFUL THE SCREEN WILL DISPLAY "SUCCEED" IF UNSUCCESSFUL, THE SCREEN WILL DISPLAY "FAILED"

IF FAILED OCCURS, PLEASE CONTACT YOUR NEAREST ELITEDRIVE SUPPORT - REFER TO SUPPORT IN MENU SETTINGS

Operation using the Smart Throttle App

App Software Connection

1. Click the Bluetooth connection button (Figure 1 on right)



Figure 1

Operation using the Smart Throttle App

App Software Connection

1. Click Elitedrive device confirmation on the display screen, or press the accelerator pedal to the floor for 5 seconds when the vehicle is powered on but the engine not started

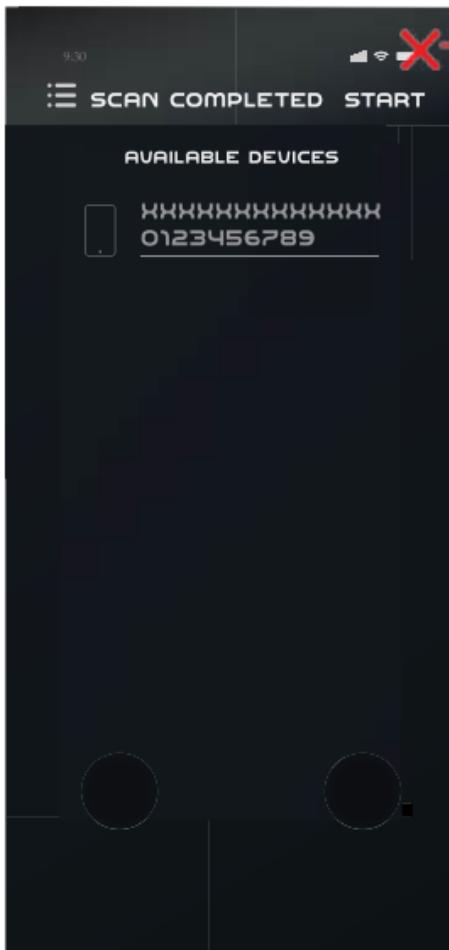


Figure 2

Operation using the Smart Throttle App

Link the Phone to the Controller

3. Click the right arrow (>) button to confirm a connection between the Smart Throttle controller and the App. Click the left arrow (<) if you do not wish to sync the phone.



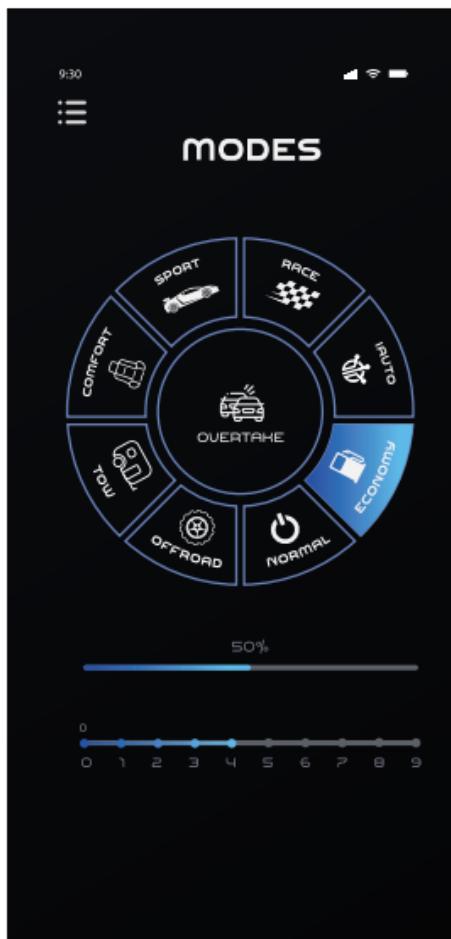
*** Once you have linked your phone the first time by pressing a button on the controller, this enables future connection to become automatic upon opening the Elitedrive App.

Operation using the Smart Throttle App

App Operation Introduction

Open the App and connect to Bluetooth. You will enter the Main Interface

Setting Interface



9 Driving Modes
Comfort, Sport, Race,
iAutomatic, Tow, Offroad,
Normal, Economy and
Overtake Boost

Accelerator Pedal Depth

Intensity Adjustment
Comfort, Sport, Race,
Economy, Tow & Offroad
have 10 levels of fine
tuning adjustment

Mode Introduction

Comfort Mode

Improve the reaction speed of the throttle and accelerate faster with reduced throttle lag/delay



Controller Display



Comfort Mode : 0-9 Settings

Mode Introduction

Sport Mode

Faster response than Comfort Mode, improving drive out of corners, and creating stronger acceleration



Controller Display



Sport Mode : 0-9 Settings

Mode Introduction

Race Mode

The highest level of performance available by using our most aggressive throttle mapping



Controller Display

Race Mode : 0-9 Settings

Mode Introduction

I-Auto Mode (Intelligent Automatic)

This mode intuitively learns your driving style and adjusts the response to match



Controller Display



I-Auto Mode

Mode Introduction

Tow Mode

Improve Towing performance with a strong delivery of extra power when you need it



Controller Display

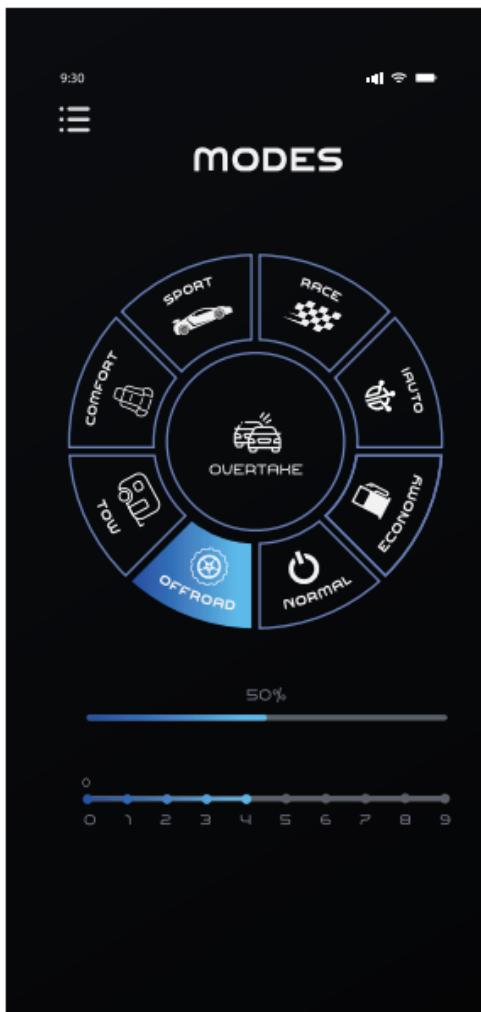


Tow Mode : 0-9 Settings

Mode Introduction

Offroad Mode

Improve smoothness when driving over bouncy rocks and when in slippery conditions. Reduced response for maximum control



Controller Display



Offroad Mode : 0-9 Settings

Mode Introduction

Normal Mode

Immediately remove all throttle changes and return to standard vehicle throttle response



Controller Display



Normal Mode

Mode Introduction

Economy Mode

Reduced response to improve fuel economy. Allows you to apply a more accurate amount of throttle, especially in heavy traffic



Controller Display



Economy Mode : 0-9 Settings

Mode Introduction

Overtake Boost Mode

When you need the maximum response for safer overtaking and the strongest level of performance, select Overtake Mode



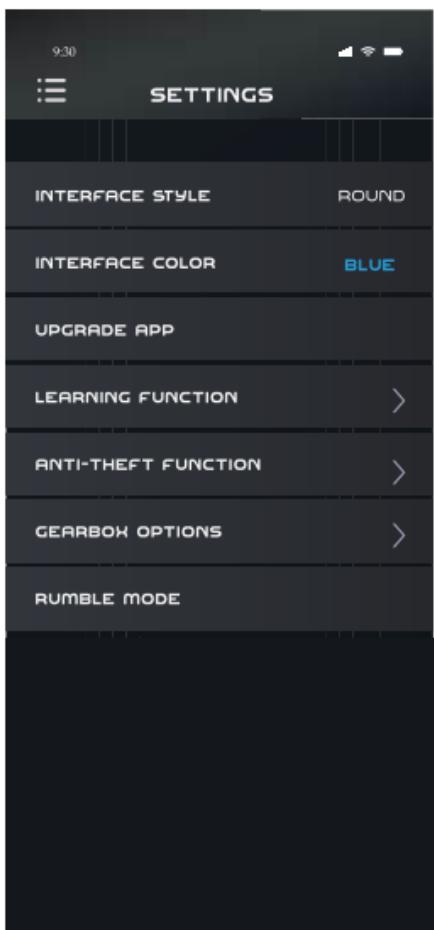
Controller Display



Overtake Mode

Mode Introduction

Settings Menu



1. **Interface Style** - Choose from Standard, Round and Grid
2. **Interface Color** - Choose from Red, White and Blue
3. **Update App** - check for the latest App Version
4. **Learning Function** - Let the throttle controller scan and match the vehicle pedal
5. **Anti-Theft Function** - After entering this function, the accelerator of the vehicle is locked and the pedal will not operate, even with the engine running
6. **Gearbox Options** - Shift optimization : Choose the best transmission to suit your vehicle
7. **Rumble Mode** - Change the idling sound of the vehicle with one of six preset modes or customize the idling note yourself

Gearbox Options

Auto 1, Auto 2, Manual 1 and Manual 2 are optimized to facilitate the best gearbox setting for your vehicle

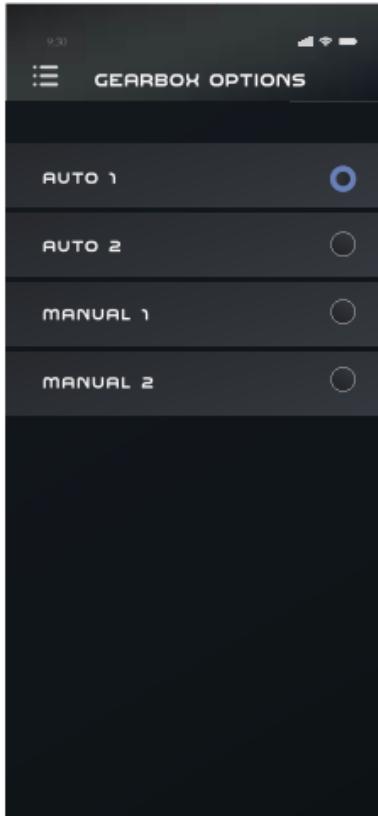
Auto 1 - For use with regular Automatic Transmissions

**Auto 2 - This setting delivers an alternative setting if you find
Auto 1 causes a higher than normal idle speed**

Manual 1 - For use with regular Manual Transmissions

**Manual 2 - This setting delivers an alternative setting if you find
Manual 1 causes a higher than normal idle speed**

**For DCT, DSG, CVT and other non traditional transmissions, try
each of the settings above to find the best response level.**



Interface Styles



Standard

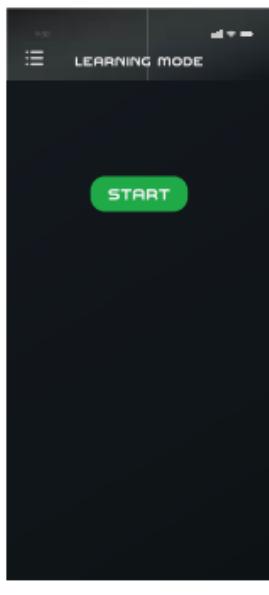


Round

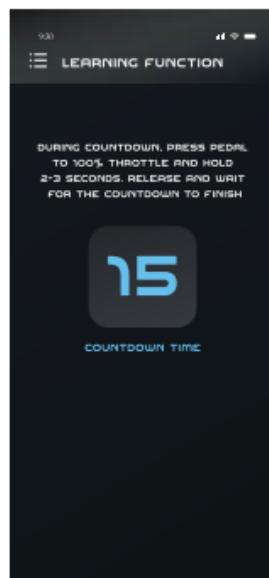


Vertical

Learning Function



This product has been matched with the corresponding model at the time of delivery, but there may be some differences in vehicle parameters. In order to adapt to this situation and give the best experiences to the owner, we have added a Learning Function. This lets the throttle controller automatically match the vehicle data. This function does not generally need to be used, only where the idling speed is too high or there is any surging.

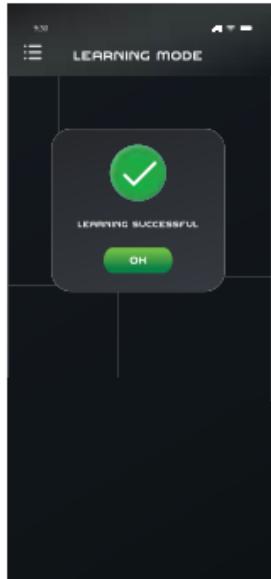


The specific operation method is as follows :

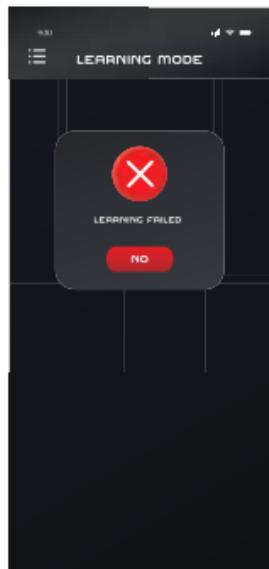
Turn on the car power but do not start the engine.
Select LEARNING FUNCTION from the App Settings Menu
Push the GREEN Start Button
The App screen will display a 15 second countdown timer

During the countdown period, press the accelerator pedal to the floor and hold for 2-3 seconds, then release it and wait for the countdown to finish.

Learning Function



When the countdown is completed, if **SUCCEED** is displayed it means learning is successful

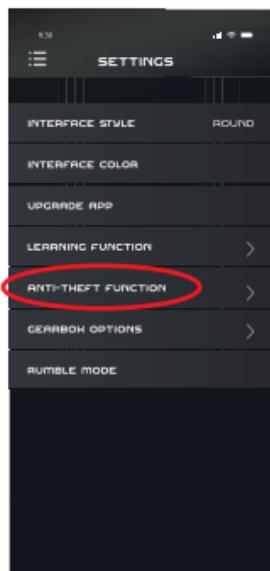


When the countdown is completed, if **FAILED** is displayed it means learning is unsuccessful



Anti-Theft Function

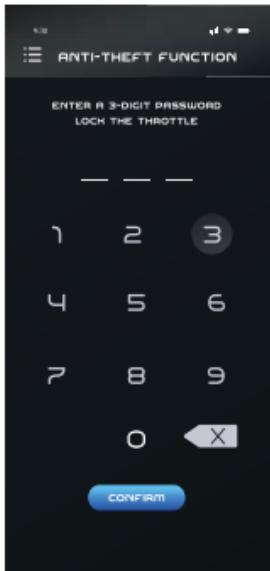
Set Password



After entering the Anti-Theft function, the throttle of the vehicle will be locked and the throttle pedal will not work, even with the engine running

Anti-Theft Function

You can enter a 3-digit PIN Code. Please do not forget this Code or you will not be able to exit the Anti-Theft Function.



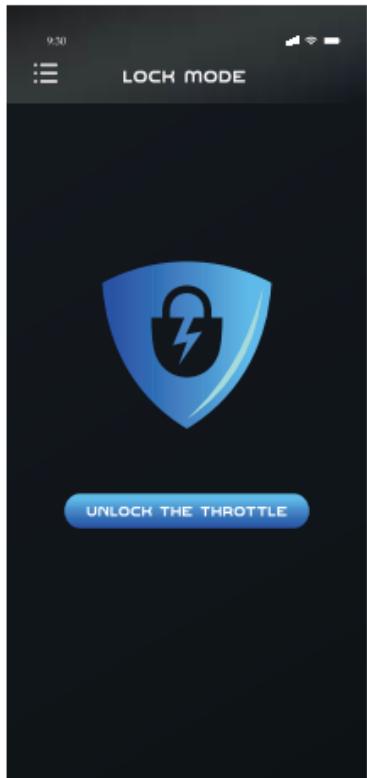
Enter the 3-digit PIN Code by using the M, (<) and (>) buttons or use the App to choose a PIN Code.

After the PIN Code is entered, press CONFIRM on the App or hold the M button for 3 seconds and the screen will display the word LOCK, indicating the Anti-Theft Function is activated.



Anti-Theft Function

Exit the Anti-Theft Function



To exit the Anti-Theft Function: while locked, enter the Anti-Theft Function PIN Code using the M, <) and (>) buttons or use the App screen.

After the PIN Code is entered, press the M + (<) buttons for 3 seconds and the screen will indicate the previously selected driving mode. Alternatively you can simply press CONFIRM on the App. This will take you back to the driving mode interface.

This indicates the Anti-Theft Function has been exited and you are ready to drive.

Rumble Mode

1. Function Introduction

This function is used to make the vehicle automatically and safely refuel in a timed sequence to generate a rhythmic sound. When using this function, the vehicle must be in Park (P) or Neutral (N) and the park brake should be activated.



2. Mode Adjustment - 6 Rumble Modes

There are 6 preset exhaust rhythms to choose from. Each mode will select a different exhaust sound with either an extension of the timing between engine notes or an extension of the opening of the throttle body which increases the volume.

Rumble Mode

3. Volume Control

This slide adjustment can be understood as the maximum volume available from the vehicle during Rumble Mode adjustment.

When the slider is all the way to the left (SLOW) the volume will be the quietest and the car will idle normally. As the slider is moved to the right, the volume increases up to maximum.

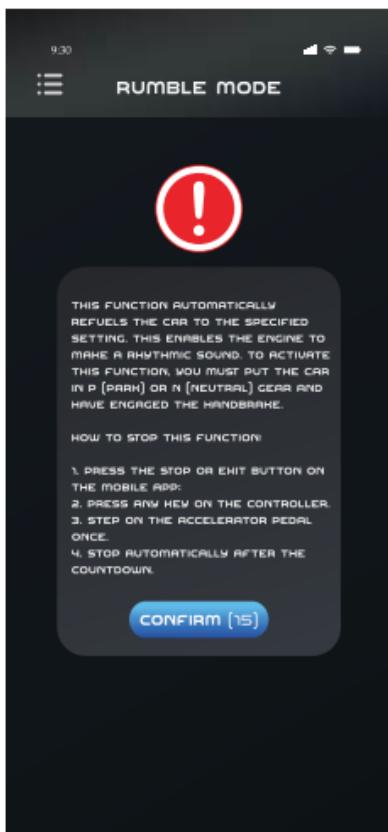


4. Mode Adjustment - Custom

On the wave graph you have the option to create a custom sound. Click on any position within the wave graph and a small Yellow Dot will appear and this will create a sound based on Vertical and Horizontal values. Horizontal represents the time when the throttle valve is opened and Vertical represents when the throttle valve is closed.

Rumble Mode

5. Automatic Stop Function



The timer will start at 120 seconds & count-down to 0, then stop automatically

The Rumble function increases the engine speed when the vehicle is stopped. This function should NOT be used for long periods of time as over-heating can occur, along with other problems.

**Stop Rumble Mode early by ->
Pressing any key on the controller
Pressing the throttle pedal once
Press the Rumble Power OFF button on the App screen**

Trouble	Possible Causes	Possible Solutions
The key is ON but the display of the controller does not light up	Cable Connection between the display and the adaptor is compromised/damaged.	Please check and connect the cables correctly. Check for any damage.
The engine has been turned off but the display remains lit	The display may have failed. After the vehicle is turned off it still contains residual voltage (power) that takes a while to fade away. During this time, and depending on your vehicle, the screen may stay lit up for 15 minutes or more.	Please contact Elitedrive - After Sales Service No action is required as the controller detects the vehicle is turned off. It usually takes 1-5 minutes for the display to turn off and up to 30 minutes if the vehicle has a lot of electrical accessories.
A dashboard fault code is displayed and the vehicle does not start	Adaptor Plug or Socket inserted upside down during installation. The connector pins were crooked, resulting in poor contact. The product plug does not match with the car socket.	Please follow installation advice or consult a professional technician. Please correct pins before installation and try again. Please contact Elitedrive - After Sales Service
A dashboard fault code is displayed but the vehicle runs correctly	During installation you did not wait until the vehicle was fully powered down. The ECU has detected the throttle plug was disconnected and has lit up to advise the driver.	Please drive as normal and the fault light will extinguish automatically. It may take up to 3 drives to reset. You can reset this fault code light with a scan tool or wait 3 warmup cycles.

Trouble	Possible Causes	Possible Solutions
Bluetooth APP connection failed	Failure to receive data in time causes a connection failure after approximately 1 minute.	Exit the APP completely and re-login to the connection or restart the vehicle.
	There may be multiple Bluetooth connectable services nearby making connection difficult or you may simply have Bluetooth set to OFF.	Ensure Bluetooth is set to ON and manually select the App connection to facilitate an immediate connection if required.
	After the vehicle is turned off, it will still be powered up for 10-15 minutes, so the display will stay lit and the Bluetooth signal, while within the range of connection, will show as connected until power down happens.	No action is required, and the controller automatically turns off the display when it detects the vehicle is off, which usually takes 10-15 minutes. Manually deselect App or move out of range of the Bluetooth signal if required.

Warranty Description

In the event you experience an issue with your Smart Throttle, Elitedrive will replace the product with the same or better quality within 3 years of purchase.

If you have any issues, please contact us directly, or via the dealer you purchased from. We advise removing any defective Smart Throttle and returning it to your dealer or to Elitedrive International. We will test and if the unit is shown to be faulty, we will replace the product with a brand new product and reimburse your freight cost.

If the product is found to be broken or damaged from customer misuse or a poor install causing cables to be crimped or damaged, we will not cover the warranty, nor will we reimburse your freight cost to us.

Elitedrive International will cover any and all International Warranty Claims - please contact your nearest country website for support.
elitedriveusa.com elitedrive.com.au elitedrive.co.nz

Our goods come with guarantees that cannot be excluded under local consumer law. You are entitled to a replacement or refund for a failure. We do not repair any product. You are also entitled to have the goods replaced or refunded if the goods fail to be of an acceptable quality and the failure does not amount to a major failure.

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