



**THRATTLE** CONTROLLER

USER MANUAL

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## 1. INTRODUCTION

Thank you for purchasing the iThrottle Controller. Installation is simple.

**Please read this user manual and follow these instructions to ensure correct installation and to avoid damage to the product and your vehicle.**

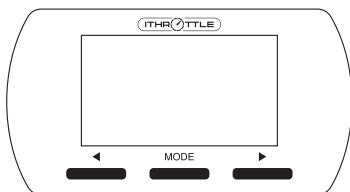
Once installed, it is recommended to perform a TPS Learn Function. This process teaches the controller the specific voltage range of your vehicle's accelerator and optimises the performance of your new Throttle Controller. It also helps stabilise RPM levels when using Winch Mode. Refer to page 9 for more information.

## 2. DISCLAIMER

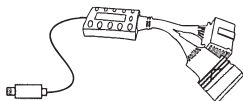
Warning this product is intended to modify (both increase & decrease) your vehicles speed and acceleration capabilities. Always use in a safe and controlled manner. Always drive responsibly and obey all road rules. iThrottle Pty Ltd and its owners are not responsible or liable for any illegal or unsafe usage of this product.

### 3. BOX CONTENTS

#### Controller



#### CPU Harness



## 4. FEATURES

1. User programmable to suit both automatic and manual vehicles.
2. Offroad Modes. Each mode uniquely calibrated to enhance driving for different terrains.

## 5. INSTALLATION GUIDE

**IMPORTANT:** Before starting the step by step install guide on the following pages, please take a moment to read through and complete the below safety and precaution steps.

### 5.1 Safety and Precautions

1. Ensure all vehicle power is OFF for 10 minutes.
2. Familiarise yourself with the orientation of the male and female plugs of your throttle controller CPU harness.

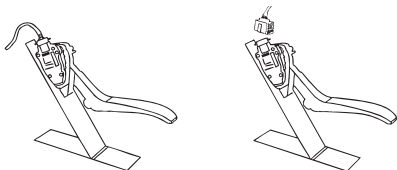
In most cases it's possible to fit your CPU harness without removing your vehicles throttle pedal assembly, in rare cases this may be required.

Incorrect alignment of plugs could result in your vehicle sensing a fault and forcing it into limp mode. So if you are in any doubt, it is recommended to remove your throttle assembly for easier installation.

\* Incorrect installation could damage your vehicle.

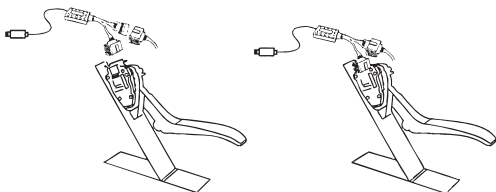
## 5.2 Installation Step 1

Locate and unplug the factory harness from your vehicles throttle assembly.



## 5.3 Installation Step 2

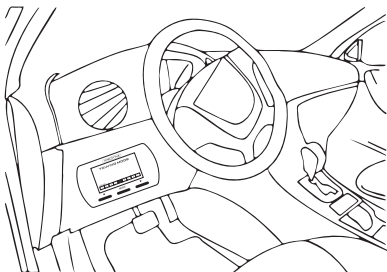
Carefully plug in your iThrottle Controller CPU harness in-line with your vehicle's throttle assembly and factory harness.



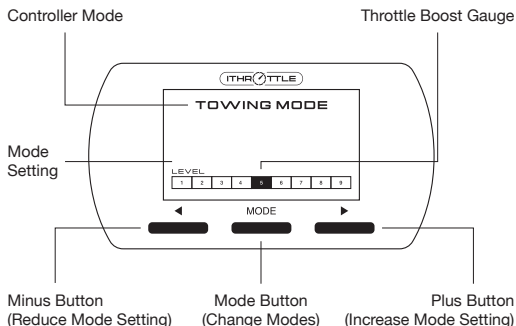
\*Check you have a secure connection at both CPU harness plugs.

### 5.4 Installation Step 3

Locate an easy to reach and operate surface for your controller. Clean the surface and attach Controller with supplied double-side tape. Connect CPU harness cable to controller.



## 6. CONTROLLER DISPLAY OVERVIEW



## 7. SETTING TRANSMISSION

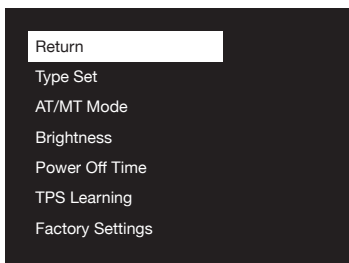
To adjust your controller's transmission setting to suit your vehicle, turn on your ignition.

Long press the 'Mode' button to enter the settings menu and short press the '►' button to scroll to the AT/MT Mode. Short press the Mode button to open. Select AT or MT. Long press to save and exit.



## 8. ADDITIONAL MODE SETTING

Long press the 'Mode' button to enter the menu, short press the '►' button to scroll to the desired setting, short press the 'Mode' button to confirm, long press to save and exit.



**Type Set:** Warning! Do not adjust this setting unless instructed by iThrottle. Failure to follow may cause the product to operate incorrectly and may cause damage to the controller or vehicle.

**AT/MT Mode:** AT – Automatic Mode, MT – Manual Mode.

**Brightness:** 1 = Faintest, 8 = Brightest.

**Power Off Time:** Adjustable from 10 to 900s (Default 300s).

**Learning Mode:** Enter the TPS Learning Mode and follow the instructions to calibrate your controller.

**Factory Set:** Short press to carry out factory set.

## 9. MODES

**IMPORTANT:** All following throttle controller mode information is a guide ONLY.

Your driving conditions will always be unique and ultimately you are responsible for selecting the best and safest mode to suit your conditions.

### 9.1 Boost Mode

The highest setting mode for maximum throttle response and boost to all throttle positions.



## 9.2 ECO Mode

Reduce throttle response and throttle opening to help reduce fuel consumption.



## 9.3 Intelligent Mode

Monitors your live throttle activity and intelligently calibrates your vehicles throttle response settings to suit your driving style.



### 9.4 Normal Mode

Return your vehicles throttle response parameters to its stock settings.



### 9.5 Lock Mode

Used to disarm any throttle function for anti-theft purposes.



### 9.6 Towing Mode

Retains normal functionality for low throttle for keeping up with normal traffic but gives a bigger boost at higher throttle position, making overtaking or compensating for steeper hills easier to contend with.



### 9.7 Sand & Mud Mode

Advanced throttle response mapping designed to upgrade your vehicles performance when encountering offroad sand & mud conditions.



### 9.8 Crawl Mode

Designed to minimise the throttle opening to help unwanted wheel spin whilst tackling ruts and hill climbs.



### 9.9 Winch Mode

Used when inside or outside of the vehicle when a higher rpm is needed whilst winching to take the load off the battery and alternator.



## 10. TROUBLE SHOOTING

1. After installation the engine light is on. Check all connections and make sure the plug is properly inserted into the factory harness plug. Check that the 'Type Set' number (refer to page 9) matches the number of your controller found on the end of the box it came in.
2. Controller display stays on after the vehicle is off. The default shutdown is 300s. Adjustable in the settings menu.
3. The throttle controller screen goes blank. The controller has a power saving mode. If the accelerator pedal is not used for >3 minutes the display screen will be automatically placed into sleep mode.
4. Screen is blank after starting the vehicle. Check that all connections are secure and all plugs are securely connected.

If you experience trouble with your iThrottle Controller most issues can be traced back to a loose or damaged connection. Turn off power to your vehicle and check ALL connections (both Controller and CPU harness) for a correct connection by unplugging them and inspecting for debris or damage during installation, before carefully and securely reconnecting them.

## 11. WARRANTY

Your iThrottle Controller comes with a lifetime warranty. If any issue arises or you need to make a claim, please email us via our website.

## 12. TERMS AND CONDITIONS

By purchasing and installing the iThrottle Controller you agree to be bound by our terms and conditions. Terms and Conditions can be found on our website.

[www.ithrottle.com.au](http://www.ithrottle.com.au)