

iDRIVE

UNLEASH THE POWER!



APPLICATION GUIDE

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INTRODUCTION

The iDRIVE throttle controller reduces throttle lag and improves the response from the vehicle's fly-by-wire accelerator to wake it up and make the acceleration feel more responsive.



HOW TO USE

Installation and operation of the iDRIVE is designed to be very straightforward, however we do provide basic installation and operational instructions.

HOW IT WORKS

The iDRIVE works by providing new points of reference for the vehicles throttle mapping. It is still working within the standard parameters; however, it introduces a far sharper throttle curve. It is also bringing the throttle in earlier throughout the pedal stroke to reduce throttle lag/dead zone in the pedal.

THE MODES

iDRIVE's are equipped with a very intuitive display and settings menu for easy use, there are 4 modes that offer different settings for different driving styles and conditions.

NORMAL MODE (--)

Normal mode is simply a replication of the factory settings, essentially the iDRIVE is switched off.

ECONOMY MODE (E)

Economy mode has 9 settings that reduce the response from the pedal - The higher you go the more dampened your throttle response becomes, by dampening the throttle we can see increases in fuel economy as well as far greater control of your vehicles traction in off-road situations.

ULTIMATE PERFORMANCE MODE (U)

Ultimate performance mode has 9 setting and can be grouped into three stages:

1. Ultimate mode 1-3: Everyday driving with smooth acceleration
2. Ultimate mode 4-6: Sportier, more responsive acceleration, great for use around town where short bursts of acceleration are needed
3. Ultimate mode 7-9: Strap yourself in and activate launch control, instant throttle response, beast mode, don't say we didn't warn you.

AUTOMATIC CONTROL (AC)

Automatic control is essentially a set and forget mode. Fly-by-wire throttle systems have two potentiometers, one to measure how hard you press the pedal and the other to measure how far you've pushed the pedal. In automatic mode the Idrive can determine these measures for you and adjust the throttle response to suit.



TRANSMISSION SETTINGS

The iDRIVE works equally well on both automatic and manual transmissions. There is an internal setting that changes the voltage pattern to suit. There is a slightly softer setting to compensate for the direct drive nature of the manual transmission. The manual transmission setting can also be used for vehicles equipped with automatic transmissions if the driver feels that the response is too sensitive.

CHANGING SETTINGS

Through our own rigorous testing, we have determined that there can be absolutely no damage done to a vehicle though changing settings while driving. Drivers can change through the iDRIVE's modes at any time, however we don't recommend changing the settings while the accelerator is depressed, preferably while stopped at a traffic light or in traffic.

FUEL ECONOMY

In testing we have seen a wide range in fuel economy savings, it largely depends on the make and model of the car, as well as the weight of the driver's foot. However a large percentage of drivers see a noticeable increase in fuel economy by using both the Automatic, Economy and lower Ultimate modes, this is mostly due to more efficient use of the throttle and not needing as much fuel to reach certain speeds.

TOWING

Eco mode can help to delay the throttle response so the driver can concentrate on the slight corrections of the steering wheel when reversing the trailer and reduce over correction. Also, the higher ultimate modes are great for getting the vehicle moving with extra weight, particularly handy towing uphill's or from a standing start.

SAND

When bogged in soft sand you need a far slower wheel speed to be able to drive out, Eco Mode with its dampened throttle response can often unstuck a vehicle without the need for recovery gear.

4WDING

Higher Eco settings are perfect for 4wding, especially across bouncy terrain, the dampened throttle response prevents jerky acceleration from the bouncing foot of the driver.

MUD

Higher Ultimate performance setting can help with quick bursts of acceleration to get out of muddy holes as well as flick clogged mud from the tyres, improving grip.



FAQ'S

Q. How does the iDRIVE work?

A. The iDRIVE throttle controller modifies the voltage signal from the fly-by-wire pedal assembly to allow you to tune the response from your accelerator pedal and greatly reduce throttle lag. The iDRIVE plugs directly into your pedal command module and can generally be installed in as little as 5 minutes.

Q. Does the iDRIVE increase horsepower?

A. No, iDRIVE throttle controllers will not increase power output. They have no control over fuel mapping, air to fuel ratio or injection timing. The iDRIVE simply changes the way your throttle responds, eliminating any lags or delays in the throttle system and sharpening response. It essentially gets rid of the feeling that there's a big wet sponge sitting underneath the accelerator pedal of most modern cars with the fly-by-wire system.

Q. Is iDRIVE suitable for towing?

A. iDRIVE throttle controllers are very useful for towing as they help get your vehicle up to speed from a standing start while using less effort, placing less strain on your motor and using less fuel. Especially handy around town where there is a lot of stopping and starting.

Q. What transmission does the iDRIVE work with?

A. iDRIVE throttle controllers are suited to both manual and automatic transmissions.

Q. Is the iDRIVE hard to install?

A. On the vast majority of vehicles the iDRIVE can be installed in under 5 minutes with no tools or technical knowledge required. Every unit comes with a clear set of instructions which take you through a step-by-step installation. The iDRIVE was always designed with plug and play application in mind, so anyone, anywhere can reap the benefits of an iDRIVE in their vehicle.

Q. Is the iDRIVE universal or vehicle specific?

A. Although every iDRIVE shares the same main hardware and applications, each iDRIVE is specifically programmed to each vehicle, meaning they are not transferable across makes and models. Please check our application guidelines for the makes/models we can supply an iDRIVE for.

Q. Is the iDRIVE suitable for petrol engines?

A. The iDRIVE can be used on both naturally aspirated and forced induction petrol and diesel engines.

Q. How do I Purchase an iDRIVE?

A. iDRIVE Australia has an extensive dealer network and can be purchased from a wide range of retailers across all states of Australia, you can find your local distributor by contacting iDRIVE Australia on 03 8740 1170. The iDRIVE is also available from our website, all you need to do is add one to your cart and follow the directions to order one directly from us. Payment can be made via Paypal, Afterpay, ZipPay, Visa and Mastercard, as well as in store at **28a Kalman Drive, Boronia Victoria 3155**.
For any further questions please email us at sales@idriveaustralia.com.au.

Q. Can't I just press the accelerator harder?

A. iDRIVE throttle controllers work in two ways. When you first depress the pedal, there is what is referred to as a dead zone, where there is very little response, no matter how hard you hit the pedal, nothing happens. The iDRIVE converts this dead signal to action, completely eliminating the dead zone. The second part of the iDRIVE's function is opening the throttle earlier in the pedal stroke, which cannot be replicated by pressing the pedal harder or faster. No matter what people tell you, or how skeptical they are you cannot simply slam the pedal harder, every iDRIVE comes with a 30-day money back guarantee for this very reason, every single day we are turning sceptics into believers. If someone isn't 100 percent happy and satisfied with their iDRIVE, they can simply return it for a full refund, that is how confident we are in our product. We are always on the lookout for people trying to leave negative comments about the "science behind the iDRIVE" or people who don't believe in its functionality as we love sending these people a free iDRIVE to test for themselves, and it's fair to say we very rarely get the iDRIVE back.

Q. Will the iDRIVE work with other modifications?

A.

- ▷ Aftermarket Cruise Control - To date we have not come across an aftermarket cruise control system that is not compatible with the iDRIVE.
- ▷ ECU Tune/ Re-flash - iDRIVE's can be used with any ECU Tune and re-flash as they don't change throttle parameters.
- ▷ Power chips/exhaust - iDRIVE's work on a completely different internal system than power chips and exhaust systems, making them a great compliment for these two modifications.

Q. Will an iDRIVE void my new car warranty?

A. Any aftermarket modification/ non-genuine product can potentially impact your new car warranty. Unfortunately, new car warranties are not a blanket warranty in Australia and are often interpreted differently from dealership to dealership. We tackled this issue early on in our journey through extensive testing on new cars and found a correctly fitted iDRIVE absolutely can not damage a vehicle in anyway. Every iDRIVE also comes with the factory setting mode so that if it develops a fault in can be turned off and wont effect the drivability of the car. Installation only takes a few minutes, so if you ever have any concerns, simply unplug the iDRIVE and return it to us for a replacement/refund.

Q. My iDRIVE doesn't turn off?

A. iDRIVE throttle controllers don't require their own power source. They rely on power from the accelerator pedal, which runs of the ignition system. In more than a few vehicles when power is cut to the ignition, many accessories such as the radio, headlights etc. take time to power down, the iDRIVE will switch off with these, it cannot stay powered for more than 30 seconds once the ignition is off. Sometimes this iDRIVE may also switch off due to inactivity, such as long periods with cruise control on, however the moment the accelerator is pressed again the iDRIVE will switch back on.

Q. How fast is delivery?

A. iDRIVE Australia is committed to fast and efficient delivery from to time you purchase your product. We understand the wait for new car parts is often excruciating as you just want to hook it up and see results straight away, that is why we use express shipping on all our orders, with most deliveries arriving within 24 hours of purchase. Every purchase also comes with a tracking number with Australia Post which is supplied along with your retail invoice.