



Advanced Idle Controller

USER MANUAL



M2K

www.m2k-AIC.com

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1. INTRODUCTION

Thank you for purchasing the **Advanced Idle Controller**.

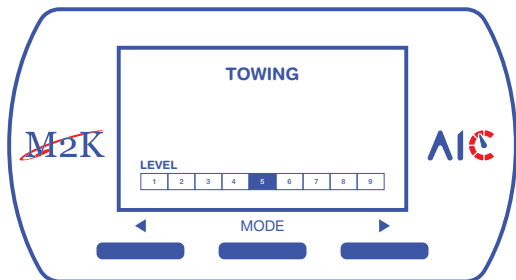
Installation is simple. Please read this user manual and follow these instructions to ensure correct installation and to avoid damage to the product and your vehicle.

2. DISCLAIMER

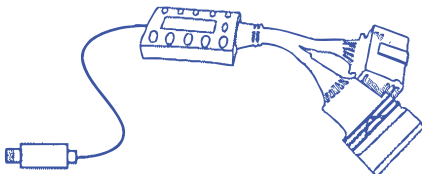
WARNING: This product is intended to modify (both increase & decrease) your vehicles speed and acceleration capabilities. Always use in a safe and controlled manner. Always drive responsibly and obey all road rules. ***M2K, its owners, and affiliates are not responsible or liable for any illegal or unsafe usage of this device.***

3. KIT CONTENTS

Controller



CPU Harness



4. FEATURES

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

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 Advanced Idle Controller CPU harness.

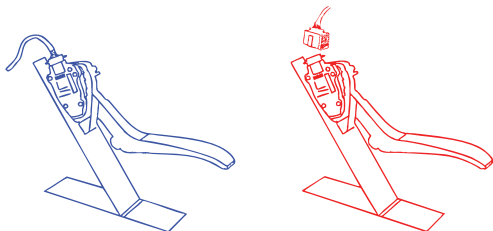
In most cases it's possible to fit your CPU harness without removing your vehicles accelerator assembly, in rare cases this may be required.

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.***

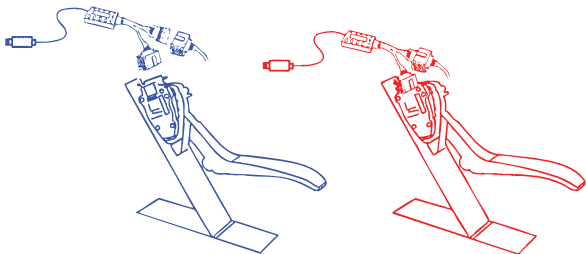
5.2 Installation Step 1

Locate and unplug the factory harness from your vehicle's accelerator assembly.



5.3 Installation Step 2

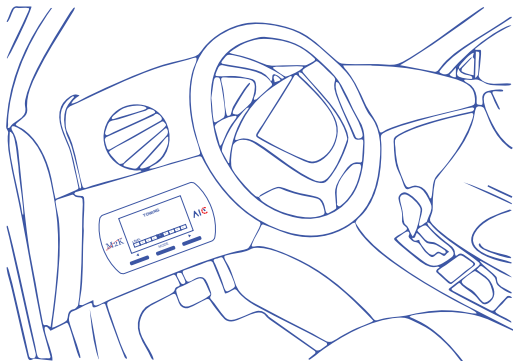
Carefully plug in your Controller CPU harness in-line with your vehicle's accelerator assembly and factory harness.



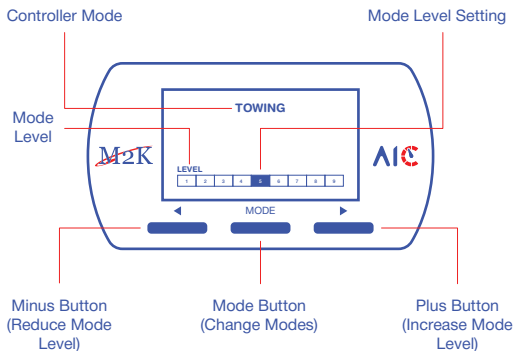
****Check that you have a secure connection at both CPU harness plugs.***

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 OVERVIEW



7. COMMUNICATION SETTING

To adjust your controller's communication 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.

Return

Type Set

AT/MT Mode

Brightness

Power Off Time

TPS Learning

Factory Settings

Type Set:

Warning! Do not adjust this setting unless instructed by M2K. 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:

Accelerator depth learning is only needed if there are fault codes from the dash or no response from the pedal.

Factory Settings:

Short press to carry out factory set.

9. MODES

IMPORTANT: All the following Advanced Idle Controller mode information is only a guide.

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 High Idle Mode

Used when the driver is inside or outside the vehicle, particularly when a higher RPM is required for winching, running auxiliary electric loads, or improving AC performance. It will take the load off the battery and alternator. The user can select from 9 levels to adjust the RPM level up or down.



9.2 Factory Mode

Return your vehicles accelerator response parameters to its stock settings.



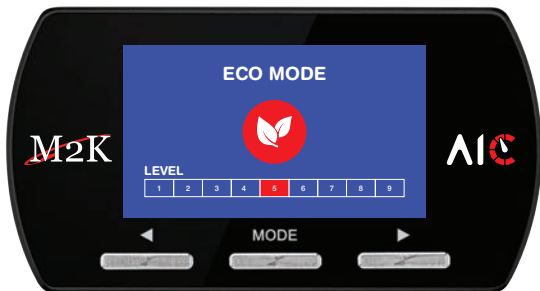
9.3 Boost Mode

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



9.4 ECO Mode

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



9.5 Intelligent Mode

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



9.6 Sand & Mud Mode

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



9.7 Crawl Mode

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



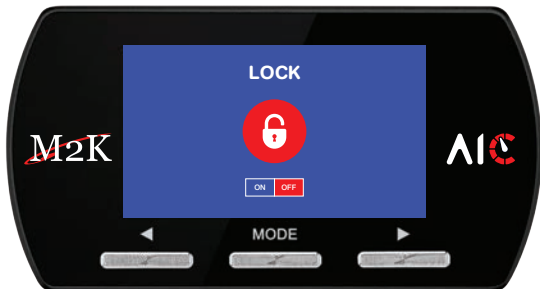
9.8 Towing Mode

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



9.9 Lock Mode

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



10. TROUBLE SHOOTING

1. After installation the engine RPM is elevated in the absence of any pedal movement and the pedal movement won't modulate the engine RPM. Turn off the vehicle, remove the key, and leave the vehicle for 5 minutes. Restart the vehicle.
2. Controller display stays on after the vehicle is off. The default shutdown is 300s. Adjustable in the settings menu.
3. The 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. Vehicle will not start, check to ensure the plug is connected to the original car plug firmly. Visually check the pins in the connector are not damaged.

If you experience trouble with your 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 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 **Advanced Idle Controller** you agree to be bound by our terms and conditions. Terms and Conditions can be found on our website.