

Please ensure that you read the instructions carefully before installing the product.

MADNESS MAXBoost

User Manual

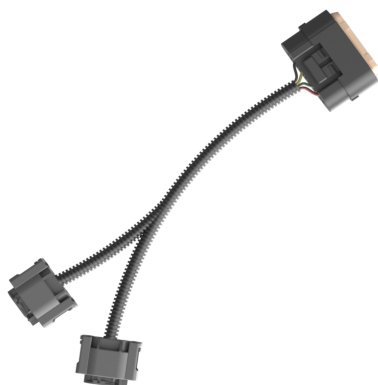


Package Contents



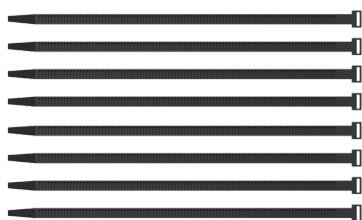
MAXBoost MODUL

Control unit with vehicle-specific programming



Connection Cable

Vehicle-Specific Cable Adapter



Mounting Materials

Cable Zip-Ties

General Information

The installation of an additional electronic control unit for performance enhancement in motor vehicles requires specialized knowledge and precise execution. This control unit is integrated by connecting it to specific sensors in the engine compartment and is designed to optimize engine performance. It is important to note that each control unit is programmed specifically for a particular engine type. Therefore, compatibility with your vehicle type and model must be checked before installation.

Important Notes and Handling of the MADNESS MAXBoost ECU

Strict Adherence to Installation Instructions: The installation of the control unit must strictly follow the provided installation manual. Deviations from the instructions can lead to damage to the vehicle or impairments in vehicle safety.

Installation at Your Own Risk: The installation of the control unit can generally be performed by yourself. However, if you have doubts about your technical ability, it is strongly recommended to seek the assistance of a professional workshop. Professional installation guarantees the correct functioning and safety of the system.

Installation in Properly Maintained Vehicles: It is explicitly recommended to install the MADNESS MAXBoost control unit only in vehicles that have adhered to all prescribed maintenance intervals. A well-maintained engine ensures that the performance enhancement can be realized effectively and safely.

TÜV Special Inspection Required (Country-Specific): The use of a control unit to increase performance alters the original vehicle specifications and therefore requires a special inspection by the TÜV (Technical Inspection Association). It is mandatory to have this inspection carried out in order to maintain the vehicle's operating license. Driving without such approval means that the vehicle is considered unfit for registration. However, this requirement applies only to certain countries. It is essential to comply with the specific regulations and requirements of the country in which the customer is located to ensure that all legal obligations are met.

MADNESS MAXBoost ECU

Performance Enhancement Programs

The MADNESS MAXBoost ECU performance enhancement offers various performance programs, each designed to achieve full power. The differences between the programs lie in how the tuning is activated or gradually reduced depending on the RPM in specific ranges. Each driving program can be finely adjusted in 5 levels through the APP.



SPORT Mode

In the Sport program, the tuning curve runs at 100% and gradually reduces to 75% tuning at high RPM ranges. This program is ideal for dynamic and sporty driving, providing high power output without constantly utilizing the full engine capacity.

RACE Mode

The XTREME program delivers full power throughout the entire RPM range of the vehicle and represents the highest performance setting. This program is designed for maximum power and performance.

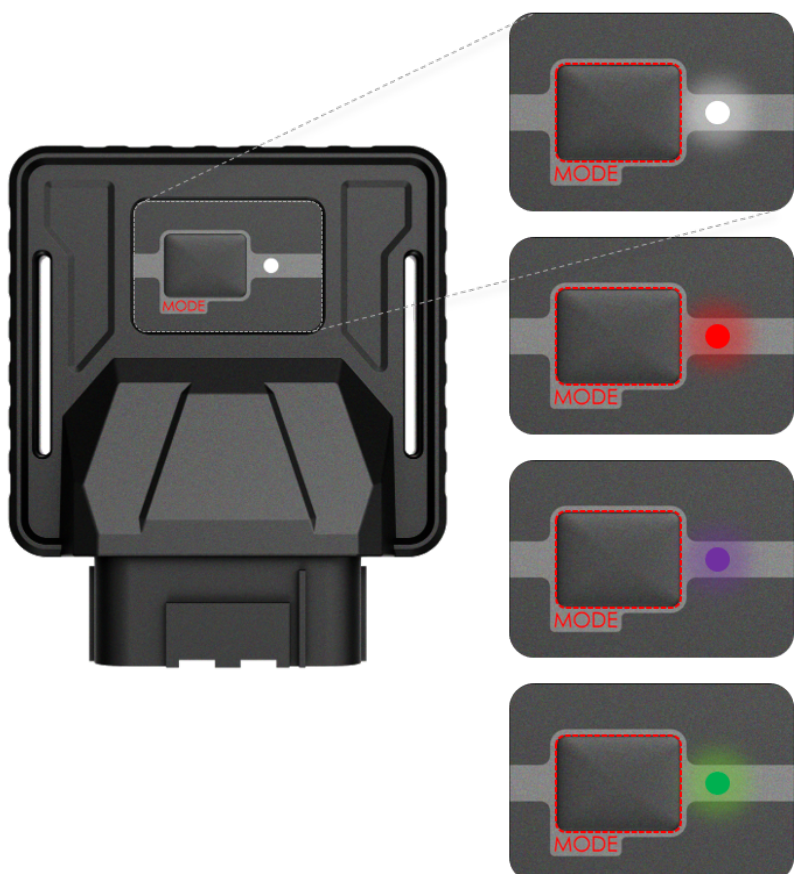
ECO Mode

Performance enhancement is often used to achieve reduced fuel consumption. Through tuning, the vehicle gains increased torque, which can be used to utilize the gears of the transmission more efficiently in combination with reduced engine RPM, thereby saving fuel.

This effect of efficient driving can generally be achieved with any of the driving programs. However, in the ECO program, tuning is only activated within a specific RPM range. Tuning is activated at 100% from an engine speed of around 2000 RPM and gradually reduces to 50% tuning at high RPM ranges. This allows for an optimal balance between performance enhancement and fuel efficiency.

MADNESS MAXBoost ECU - Keypad – Switching Driving Programs

The driving programs can also be changed directly on the module as an alternative to APP control. Once the ignition or engine of the vehicle is turned on, the programs can be cycled through by pressing the button on the keypad.



The diagram illustrates the MADNESS MAXBoost ECU keypad and its four driving programs. The keypad is a black, rectangular module with a central button labeled "MODE" in red. To the right of the button is a small LED indicator. The four programs are shown in a vertical sequence, each with a corresponding color-coded LED:

- Off** – In this driving program, the vehicle is in its stock condition. The LED lights up WHITE.
- SPORT** – By pressing the keypad, the MADNESS MAXBoost ECU module switches to the SPORT program. The LED lights up RED.
- RACE** – By pressing the keypad again, the module switches to the RACE driving program. The LED lights up PURPLE.
- ECO** – With another click, the ECO program is selected. The LED lights up GREEN.

Note: The LED indicators clearly display the current driving program, keeping the driver informed of the MADNESS MAXBoost ECU module's operating mode at all times.

MADNESS PowerPack

With the MADNESS PowerPack app, you have control of the MADNESS MAXBoost ECU performance upgrade and MADNESS Autoworks accelerator pedal tuning directly in your hands. The app allows you to intuitively configure the perfect set-up for your vehicle and driving style with just a few clicks. Increase efficiency, adjust the response of the accelerator pedal, and experience performance that is precisely tailored to your needs.

Whether you want maximum driving pleasure or fine-tuned optimization of engine performance and throttle response, the MADNESS PowerPack app offers you a simple and effective solution. Connect your smartphone or tablet to the MADNESS MAXBoost ECU or MADNESS Autoworks pedal unit and conveniently control all relevant settings from a single app.

The app is available for free download for Android smartphones and iPhones in the relevant app stores. By clicking on the corresponding app logo below or scanning the QR code, you will be automatically redirected to the app.



Required Android version
7.0 or higher



Required iOS version
15.2 or higher

Legal Notice: The use of a smartphone while driving, and also when stationary with the engine running, is prohibited in road traffic in most countries. Please familiarize yourself with the local regulations in your country and comply with them.

Connecting the MADNESS MAXBoost ECU with the MADNESS PowerPack App

Download the App: Install the MADNESS PowerPack App from the Google Play Store or Apple App Store on your smartphone.

Activate Bluetooth: Switch on the Bluetooth functionality on your smartphone.

Switch on the Ignition: Turn on the ignition of your vehicle to activate the MADNESS MAXBoost ECU module.

Start the App: Open the MADNESS PowerPack App on your smartphone. As soon as the MADNESS MAXBoost ECU module is recognized, the app will automatically initiate the pairing request. Alternatively, you can click on the detected MADNESS MAXBoost ECU module in the Bluetooth connection overview.

Enter the PassKey: Enter the unique 6-digit PassKey, which can be found in the following locations:

On the nameplate of the MADNESS MAXBoost ECU module (back)

On the type plate on the packaging

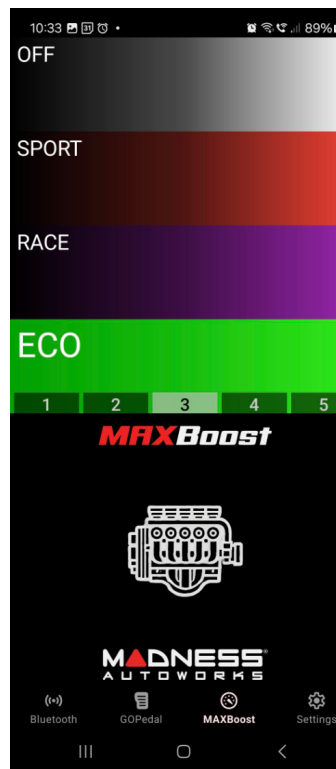


Connection Successful: After successful pairing, the app switches to the main menu.

Use the App: You can now make all available settings and configure the MADNESS MAXBoost ECU performance booster according to your preferences.

Selection of the Various Driving Programs

The MADNESS PowerPack App allows you to select different driving programs directly from your smartphone. You can activate the desired driving program with just one click. The currently selected program is highlighted in color to make it clearly visible.



Fine-Tuning a Driving Program

After selecting a driving program, a menu for fine-tuning will appear. This menu is located directly below the selected driving program and allows you to adjust the program in five stages.

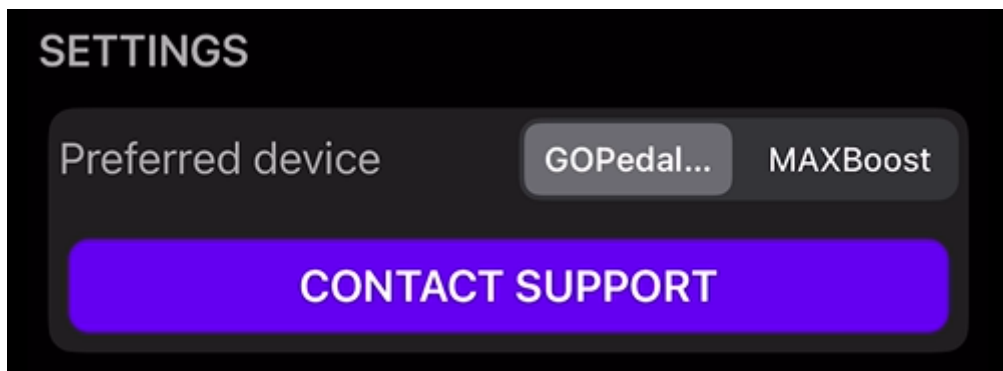


Fine-tuning in 5 stages allows you to tailor the driving program precisely to your vehicle and personal preferences. Each level adjusts the vehicle's performance and response, ensuring an optimal driving experience.

Selecting Your Preferred Device

Good news! You can use the MADNESS MAXBoost ECU in combination with the MADNESS GOPedal to maximize your driving experience. The MADNESS PowerPack App gives you the flexibility to easily switch between both devices, ensuring you get the most out of each one.

By selecting the MADNESS GOPedal as your preferred device, the app will automatically connect to it when you start. This means you don't have to manually switch between devices, and you can enjoy enhanced throttle response with the MADNESS GOPedal alongside the full performance boost from the MADNESS MAXBoost ECU.



Creating a support email

If you experience any issues with the connection between the app and the MADNESS GOPedal or MADNESS MAXBoost ECU, the MADNESS PowerPack App offers a convenient feature for creating a support email. This email automatically includes all the relevant information, such as app data, connection logs, and details of the MADNESS MAXBoost ECU module.

To create a support email, simply open the corresponding function in the app and click on the “CONTACT SUPPORT” button, as shown in the image above. The generated email can then be sent directly to MADNESS Autoworks Support, ensuring that you receive quick and efficient assistance.

Permanent storage of settings

All settings made in the MADNESS PowerPack App are permanently saved and remain active, even after the vehicle is switched off and parked. This means you can be confident that your preferred driving programs and fine-tuning settings will automatically apply every time you start the vehicle, without the need for any adjustments on your part.

Warranty Terms

At MADNESS Autoworks, we value our customers and stand behind the quality of our products. We offer a limited warranty on the MADNESS MAXBoost ECU performance enhancement (module and cable adapter), covering defects in material and workmanship. However, please note that the proper use and maintenance of the product are the responsibility of the buyer. Any rights not explicitly stated in this warranty are waived.

Warranty Period

The warranty is valid for 24 months from the date of purchase.

Warranty Claim

If you encounter any issues during the warranty period, MADNESS Autoworks will, at its discretion, repair or replace the product.

Warranty Conditions

This warranty applies only to the original purchaser and is non-transferable.

Excluded Damages

The warranty does not cover damages resulting from improper use, normal wear and tear, accidents, or unauthorized modifications.

Procedure for Warranty Claims

Contact: If you suspect a warranty issue, please contact MADNESS Autoworks customer service promptly.

Exclusion of Further Claims

This warranty is the sole and exclusive remedy, replacing any other express or implied warranties, including but not limited to warranties of merchantability or fitness for a particular purpose. MADNESS Autoworks is not liable for indirect, incidental, or consequential damages, nor for labor or travel costs related to diagnosing defects, removing or reinstalling the product, or any other incidental expenses.

Legal Provisions

This warranty is governed by the laws of the country where the product was sold. Certain rights may vary depending on local laws.

By installing this product, the buyer acknowledges that they have read and understood this agreement and accept its terms and conditions.

Support Contact Information

The MADNESS Autoworks Support Team is available during office hours to assist you.



Email Support:
Email: info@madnessautoworks.com



Phone Support:
You can also reach us by phone at:
Phone: TX: 512-982-9393, CA: 562-981-6800

For quick and efficient support, please include the following information in your initial contact:

- Name, Email, and Phone Number
- Sales Invoice (PDF/Image)
- Vehicle Make, Model, Engine, and Year
- Serial Numbers of the Devices
- Pictures of Connectors (if applicable)
- Problem Description

We look forward to assisting you!