Please read the instructions carefully before installing the product.

IOPEDAL

IOPEDAL - Manual

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IOPEDAL Modul

Module for connection to the gas pedal

Remote Control + Holder

Intuitive remote control and holder for mounting

Connection Cable

Vehicle-specific cable

Mounting Material

Cable ties and mounting pads

Screwdriver

For replacing the CR2032 battery

Installing the IOPEDAL

The IOPEDAL is designed for easy installation. Please follow these steps to install the device safely and correctly:

> **Note:**
> **If you need assistance during the installation, please contact our support or a professional auto workshop.**

Checklist Before Starting the Installation

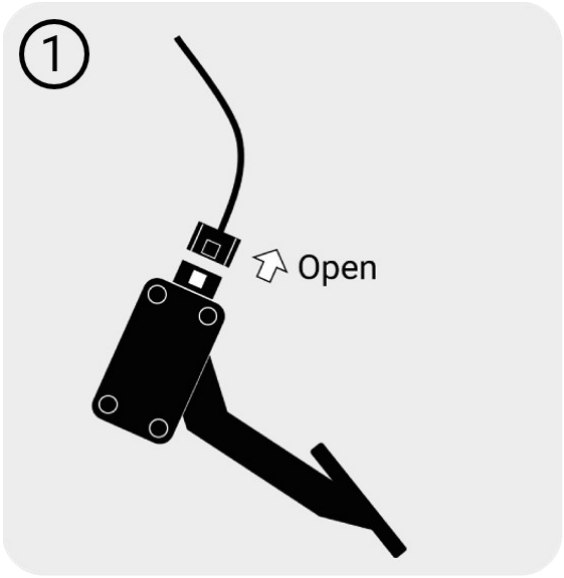
1. **Position the Vehicle**: Park the vehicle in a spacious area and open the driver's door as far as possible.
2. **Vehicle Safety**: Ensure the handbrake is engaged and the gear is in neutral.
3. **Turn off the Ignition**: Turn off the ignition, remove the key from the ignition lock, and if possible, lock the vehicle with the door open.
4. **Wait**: Wait 5-10 minutes for all vehicle systems to fully deactivate before starting the installation.

> **Important Note:**
>
> In vehicles with keyless entry, the gas pedal may become active when the key holder approaches the vehicle. In this case, make sure the key is placed well outside the vehicle's range to prevent accidental activation of the gas pedal.

① Disconnecting the Gas Pedal Connection

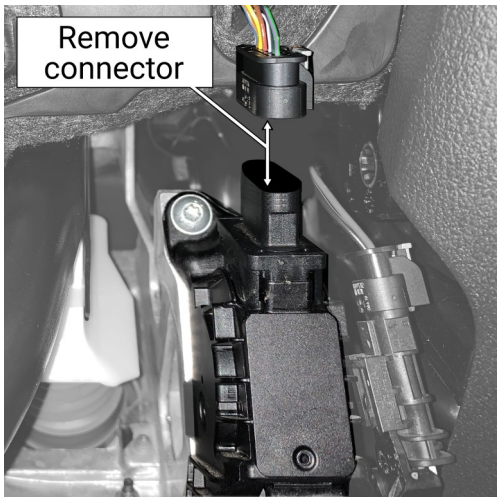
Locating the Gas Pedal Connection

Depending on the vehicle model, the gas pedal may be mounted either on the vehicle floor or hanging. The process is similar in both cases. However, with a floor-mounted version, the gas pedal may need to be removed first to access the connection.



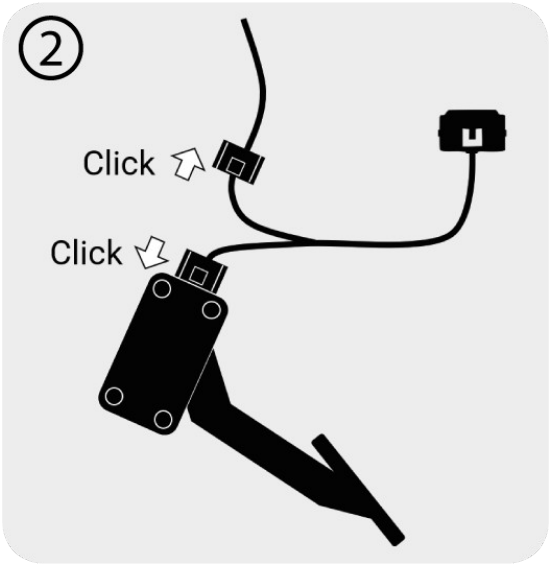
Disconnect the Connector

All vehicle connectors have a locking mechanism. Locate the mechanism, pull back the retaining clip (if present), press the release mechanism to unlock the connection, and carefully pull out the connector.



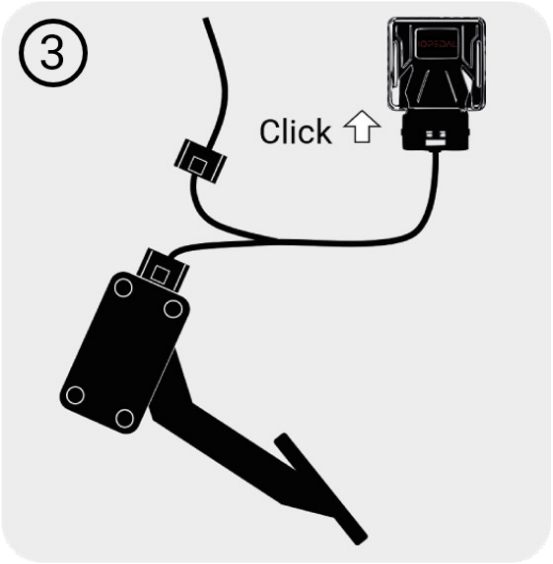
② Connecting the IOPEDAL

Connect the supplied wiring harness between the original gas pedal connections. Make sure to hear a distinct "click" when the connectors lock properly. Ensure the locking mechanism is engaged on both ends.



③ Connect the IOPEDAL Module (ECU)

Now, connect the IOPEDAL module (ECU) to the other end of the wiring harness.



④ Turn on the Ignition

Verify that the handbrake is engaged and the gear is in neutral, or for automatic transmissions, set to "Park". Then, turn on the ignition.

- **For IOPEDAL with Remote Control:**

  Activate the remote control and check the connection status. The connection LED should light up blue and indicate that the Sport mode is selected.

- **For IOPEDAL Basic**:

  You can now pair the IOPEDAL with the app. Follow the instructions in the chapter **"The IOTUNING Smartphone App"**. Once the pairing is completed, the connection to the control unit is successfully established.

⑤ Calibrating the IOPEDAL (Auto-Ranging Function)

The IOPEDAL automatically starts the **Auto-Ranging Mode** during its first use (ignition on/engine on). In this mode, the system analyzes the signals from your gas pedal across its full range of motion and adjusts all **driving modes** in real time to fit your vehicle.

Procedure:

Press the gas pedal slowly to the full-throttle position (including Kick-Down) and hold it for about 2 seconds. Repeat this process twice.

The IOPEDAL is now fully configured, and the installation is complete.

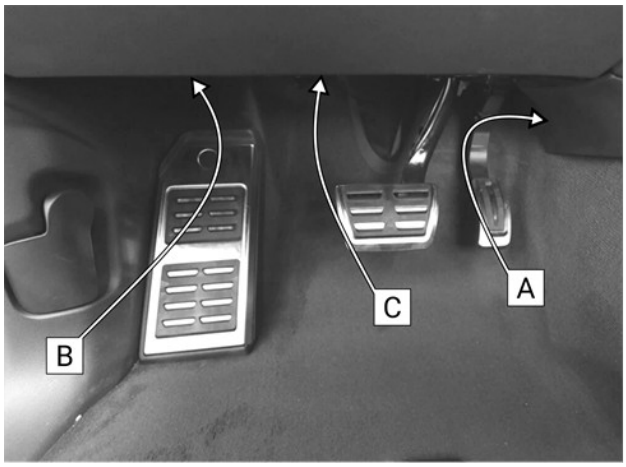
Mounting/Positioning the IOPEDAL Control Unit

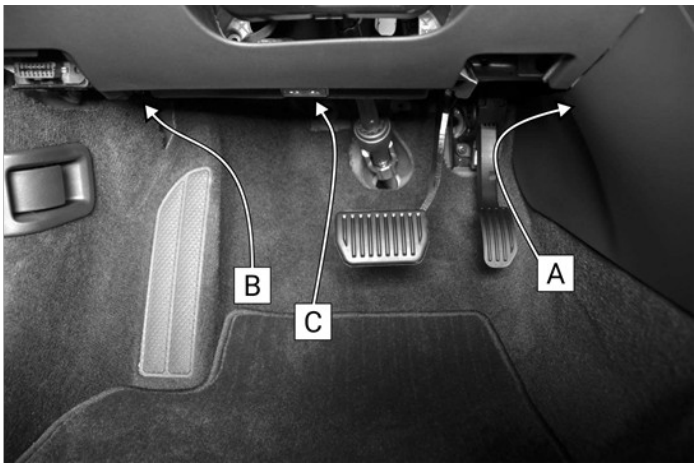
Important Note:

It is essential to ensure that the cable and control unit (ECU) are mounted securely and do not fall into the footwell or obstruct the movement of the pedals or the steering column. This guarantees a safe installation and prevents any potential hazards while driving.

Suitable Mounting Positions

Depending on the vehicle type, various locations can be used to mount the IOPEDAL module. The most commonly used positions are:





[A] Beneath the plastic cover in the area of the center console: This position is the easiest to access in most vehicles and provides ample space for the control unit.

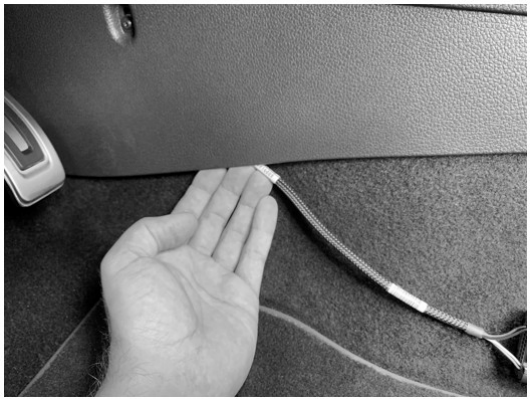
[B] To the left above the footrest: An alternative position that allows for a secure and discreet installation.

[C] Above the pedals in the plastic cover: This position also provides a safe option for placing the control unit, but special care must be taken to ensure the movement of the pedals is not obstructed.

Mounting :

Use the supplied **mounting pads** and **cable ties** to securely fasten the module and wiring harness. When mounting, ensure that the pedals and steering column remain fully operational without any obstruction.

[A] Mounting in the center console is the easiest option in most vehicles.



[B, C] The control unit can be securely attached to plastic surfaces using the adhesive pads.



Mounting the Remote-Control Unit

The IOPEDAL remote-control unit comes with a holder that securely places the remote during driving. Use the included adhesive pads to firmly mount the holder.

Steps for Mounting:

1. **Attach the adhesive pad**: Place the adhesive pad on the back of the holder.

2. **Mount the holder**: Secure the holder with the adhesive pad at an appropriate location in the vehicle. Choose the position carefully so that the remote control is easily accessible during driving without compromising safety.

Remote Control

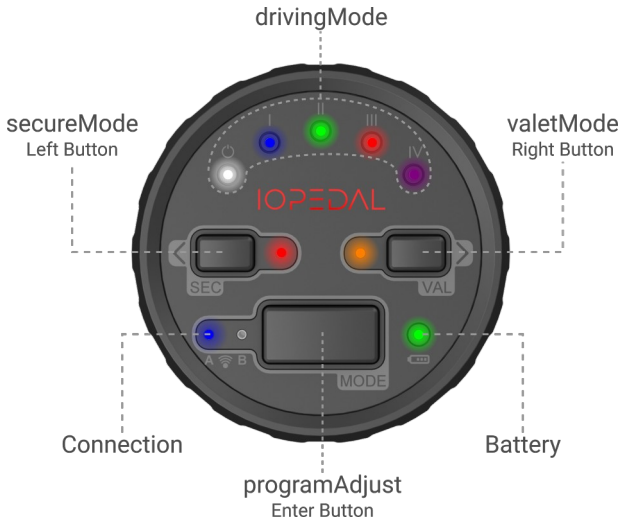
The control unit automatically establishes a connection to the IOPEDAL module once activated. It allows you to select driving modes (Driving Modes), sub-modes, as well as activate the **SecureMode** and **ValetMode**, enabling you to customize the system to your specific needs.

Activating the Control Unit

Press any button on the control unit to activate it. The connection to the control unit will be established as soon as the ignition or engine is turned on.

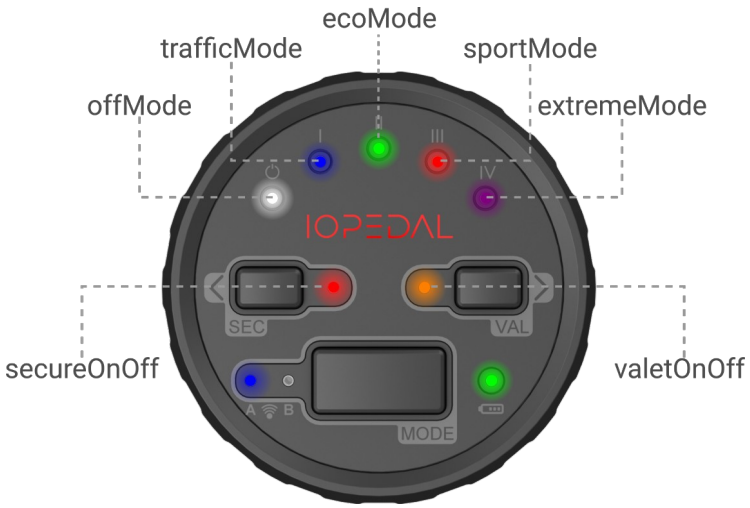
During the connection process, the top LEDs will light up blue and move from left to right.

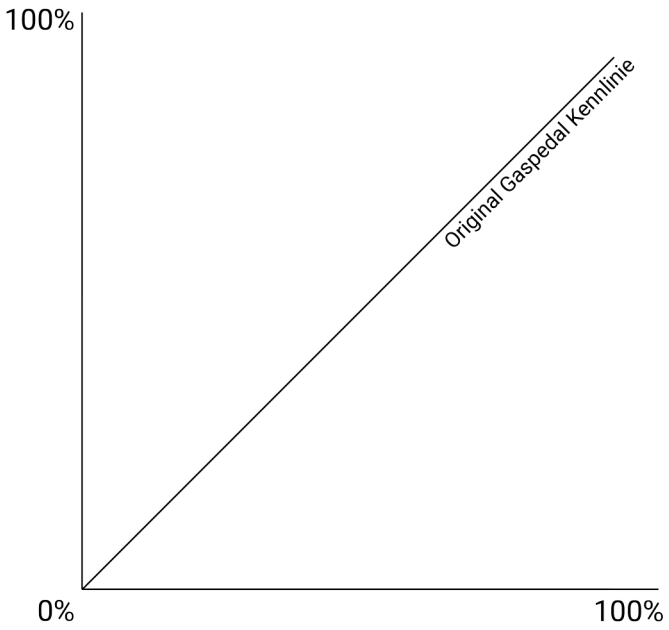
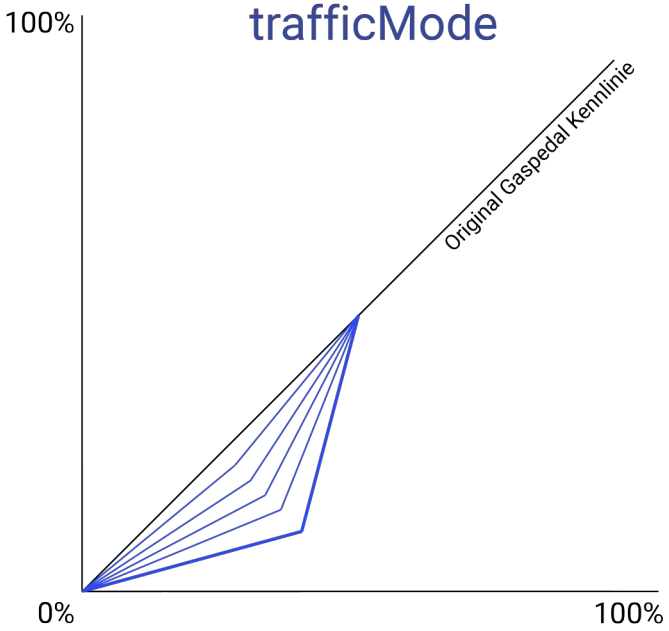
Once the connection is successfully established, the LEDs will display the current setup of the IOPEDAL.

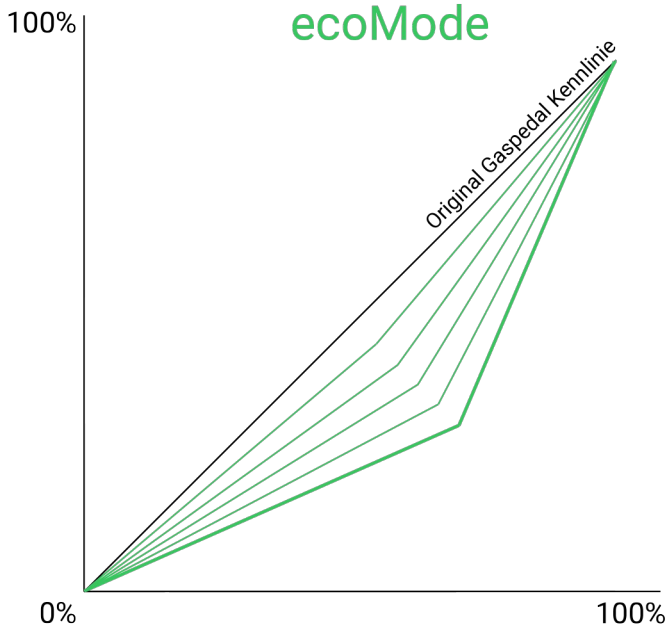
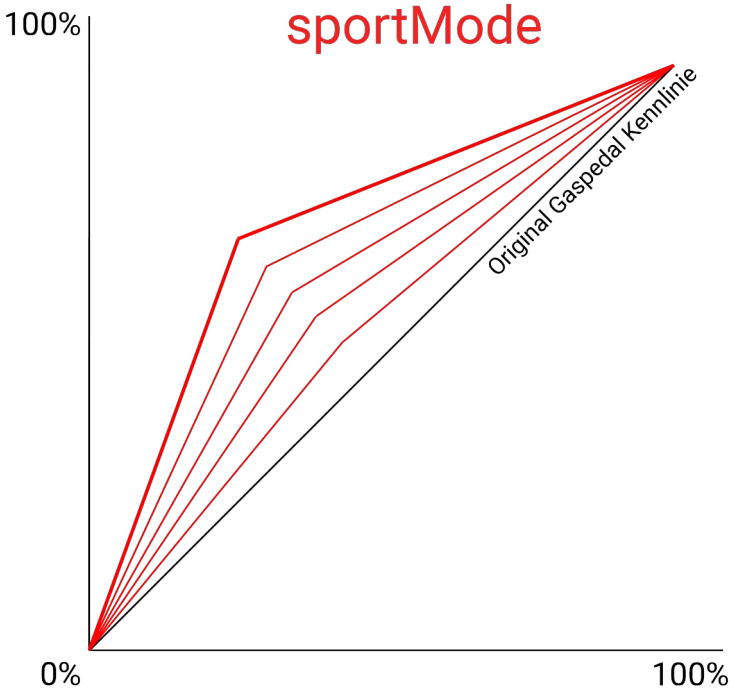


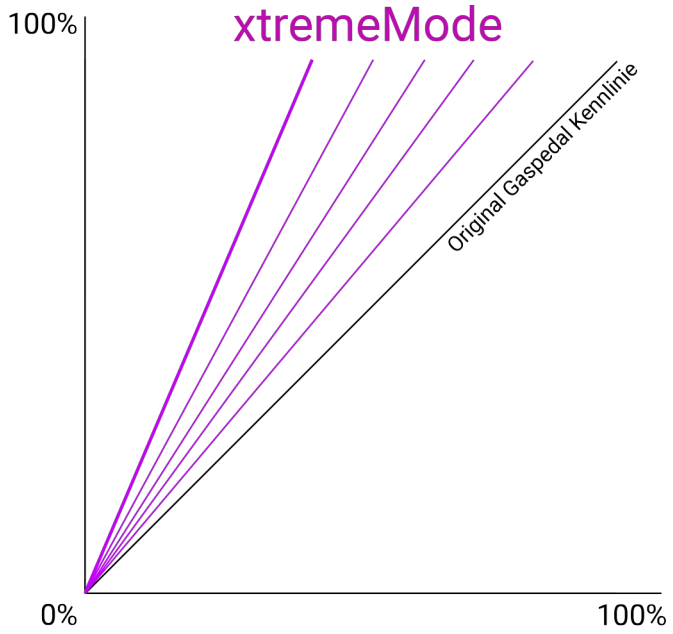
Driving Modes

With the different **Driving Modes**, you can adjust your vehicle's throttle response to suit various driving conditions:



Driving Modes	Curve
OFF (white): Stock performance, no modification	
trafficMode (blue): Optimized for city traffic and congestion	

ecoMode (green): Supports an efficient driving style	
sportMode (red): Optimized sporty throttle response	

extremeMode (violet): Maximum throttle response for ultimate performance.	

Switching between driving modes:

Press the left or right button on the remote control to cycle through the driving modes until you reach the desired setting.

Adjusting Subprogram/Finetuning

Each driving mode has five additional subprograms arranged according to the characteristics of the main program. These subprograms allow for precise tuning of the selected driving mode, with increasing levels of precision and intensity.

Selecting Subprograms:

- To adjust the subprograms, press the **Mode** button once. This will enter the adjustment mode.
- In adjustment mode, all the LEDs will light up in the color of the selected main program.
- The current level of the subprogram is indicated by a brighter LED, while the other four LEDs are slightly dimmed.
- Use the left and right buttons to scroll through the subprograms, allowing you to finetune the driving mode according to your preferences.

ValetMode

The **ValetMode** reduces the maximum functional range of the gas pedal and thus limits the vehicle's overall power. This mode is ideal when an inexperienced or external driver, such as a valet or a beginner, needs to use the vehicle.

Activating the ValetMode:

- To activate the ValetMode, press and hold the **ValetMode** button until the LED next to it lights up blue.
- Once ValetMode is active, all LEDs will start blinking orange.
- The top five LEDs now show the finetuning of the Valet function. Use the left button to decrease the power and the right button to increase it.

Deactivating the ValetMode:

- To deactivate the **ValetMode**, press and hold the **ValetMode** button again until the blue LED lights up. Release the button, and the system will return to its previous operating state.

ⓘ	**Note:** The Valet function remains active even when the vehicle or engine is turned off and on again.

SecureMode

The **Secure Mode** disables the gas pedal during the next vehicle start, providing an additional safety measure to prevent unauthorized operation of the vehicle.

Activating the Secure Mode:

- To activate **Secure Mode**, press and hold the **SEC** button until the adjacent LED lights up blue.
- Once Secure Mode is activated, the **Secure LED** will light up red, indicating that the function is active.
- At the next engine start (after approximately 3-5 minutes), the gas pedal will be disabled.

Re-enabling the Gas Pedal:

- To re-enable the gas pedal, press any button on the remote control or start the **IOTUNING Smartphone App**.
- Once the connection to the control unit or the app is successfully established, the gas pedal will function normally again.

Deactivating the Secure Mode:

- The **Secure Mode** remains active during future engine starts until it is manually deactivated.
- To permanently deactivate Secure Mode, press and hold the **SEC** button again until the adjacent LED lights up blue and the red LED turns off.

	Important Note: The **Secure Mode** takes priority over the **Valet Mode**. If both modes are activated, the Secure Mode ensures that the gas pedal remains disabled during the next vehicle start.

User Menu and Additional Functions

The **User Menu** offers additional settings that allow you to further customize the system to your individual needs.

Accessing the User Menu:

- To access the User Menu, press and hold both the left and right buttons simultaneously until both LEDs light up blue.

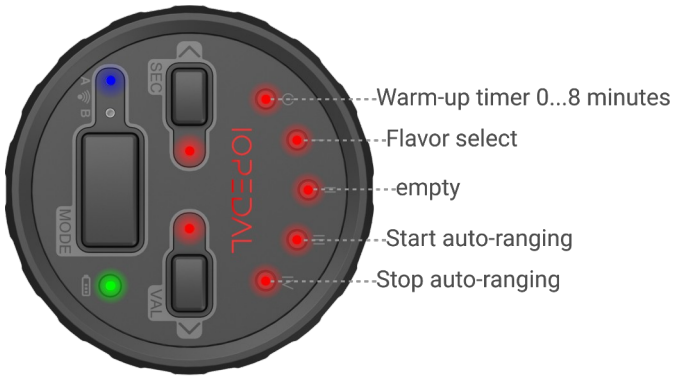
Activating the User Menu:

- The User Menu is active when the **Secure** and **Valet LEDs** blink either red or blue.

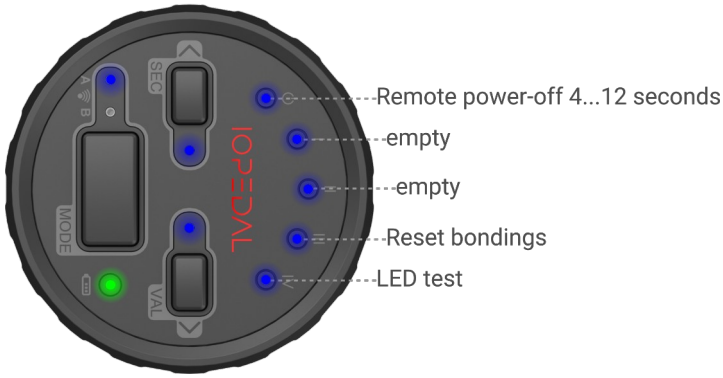
Menus and Navigation:

There are two User Menus available :

- **Rot**: Einstellungen für das IOPEDAL.
- **Blau**: Einstellungen für die Fernbedienung.

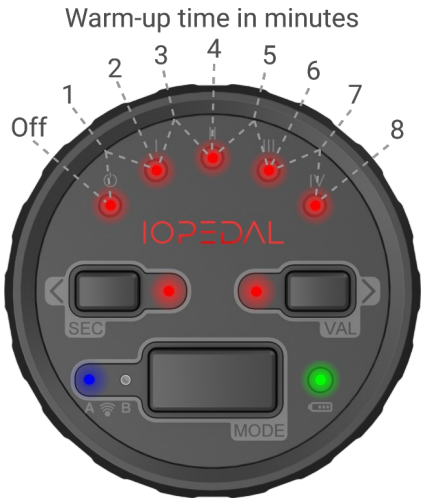


Use the left and right buttons to scroll through the menus. Once you reach the end of the red menu, the system automatically switches to the blue menu.
Press the **Enter button** (Mode button) to confirm your selection.



Warm-Up Timer

The **Warm-Up Timer** allows the vehicle to reach its operating temperature before the throttle tuning is activated. This feature ensures that the engine is not overworked before reaching its optimal operating temperature.



- The default setting for the Warm-Up Timer is **OFF**.
- To select the desired warm-up time, navigate to the Warm-Up Timer setting in the menu and press the **Enter button** (Mode) to confirm your selection.

Flavor Select

The IOPEDAL offers three different **performance characterizations** (Normal/Power/Precise), which influence all predefined driving modes. Switching between characterizations alters all driving modes and subprograms to a different performance level.

Available Characterizations:

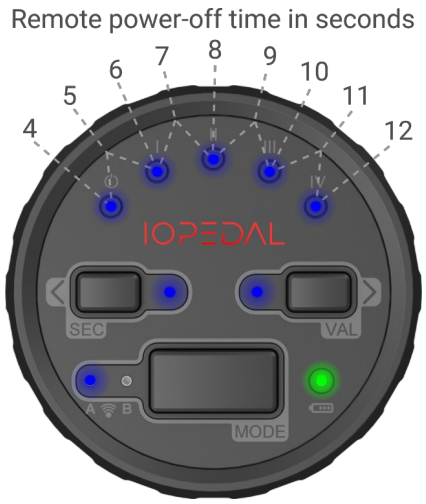
- **Normal**: The default setting, where all driving modes retain their standard characteristics.
- **Power**: All driving modes gain a more pronounced and sportier characteristic.
- **Precise**: All driving modes become more controlled and less aggressive.

Select the desired characterization and confirm your selection with the **Enter button** (Mode). Further details on the differences can be found in the diagrams on page 36.

ⓘ	**Note**: If no button is pressed within the remote control's shutdown time, the remote will automatically turn off, and no user function will be executed.

Remote Control Activation Time

The battery-operated control unit automatically switches off after a period of inactivity to conserve battery life. The default activation time is 12 seconds, but this value can be adjusted between 4 and 12 seconds.



Adjusting the Activation Time:

- Select the desired activation time from the menu, as shown in the image on the right.
- Confirm your selection with the **Enter button** (Mode).

Note: The shorter the activation time, the longer the battery life.

Connection Status Indicator

The connection between the control unit and the ECU is continuously monitored, and the current status is displayed via the LEDs on the control unit:

- **Blue**: Connection is stable and active.
- **Blue/Red blinking**: Connection lost; the control unit is attempting to re-establish the connection.
- **Red**: Connection interrupted.

Battery Status Indicator

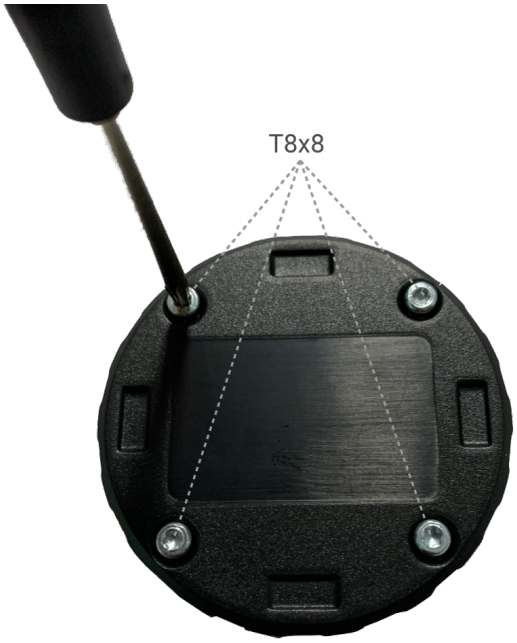
The battery status of the remote control is also continuously monitored and displayed via the LEDs:

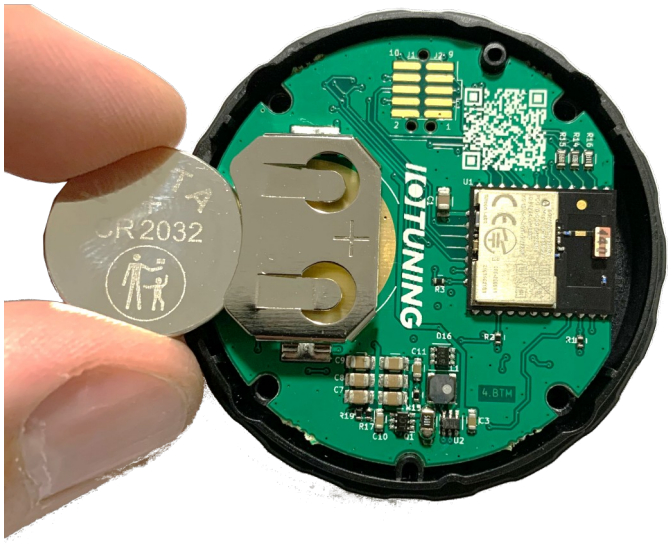
- **Green**: Battery status is good.
- **Orange**: The battery should be replaced soon.
- **Red blinking**: The battery must be replaced immediately.

Replacing the Control Unit Battery

When the battery status indicator blinks red, the internal battery of the remote control should be replaced. Follow these steps:

1. Use the supplied screwdriver to remove the four screws on the back of the control unit.
2. Replace the battery and carefully close the housing.





Carefully remove the back cover of the remote control. Be cautious to ensure that the circuit board does not fall out of the housing, and remove the battery. Insert the new **CR2032** battery.

Replace the back cover and screw the housing back together. Test the battery installation by pressing any button on the remote control. The remote will now begin the connection process. Ensure the vehicle is within range for the connection to be successfully established.

The IOTuning Smartphone-App

The IOTuning App is available for free in the Google Play Store for Android smartphones and in the Apple App Store for iPhones. By clicking on the respective app logo below or by scanning the QR code, you will be automatically directed to download the app.

GET IT ON Google Play

Required Version
Android 7.0 or higher

Download on the App Store

Required Version
iOS 15.2 or higher

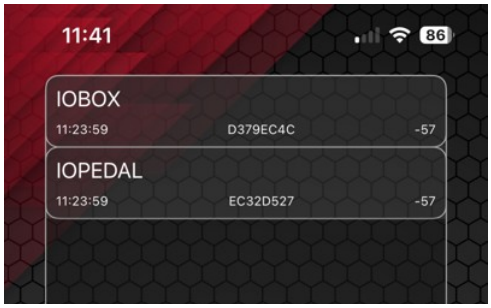
Legal Notice

The use of a smartphone while driving or when the engine is running in stationary mode is prohibited by law in most countries. Please familiarize yourself with the specific regulations in your country and adhere to these guidelines.

Connecting the IOPEDAL with the IOTUNING App

After installing the IOPEDAL, you can connect it to your smartphone by following these steps:

1. **Install the App**: Download and install the IOTuning App on your smartphone (available in the Google Play Store and Apple App Store).
2. **Enable Bluetooth**: Turn on the Bluetooth functionality on your smartphone.
3. **Turn on the Ignition**: Start the ignition of your vehicle.
4. **Launch the App**: Open the IOTuning App on your smartphone. Once the IOPEDAL is detected, the pairing request will automatically start. Alternatively, you can select the appropriate device from the Bluetooth menu.

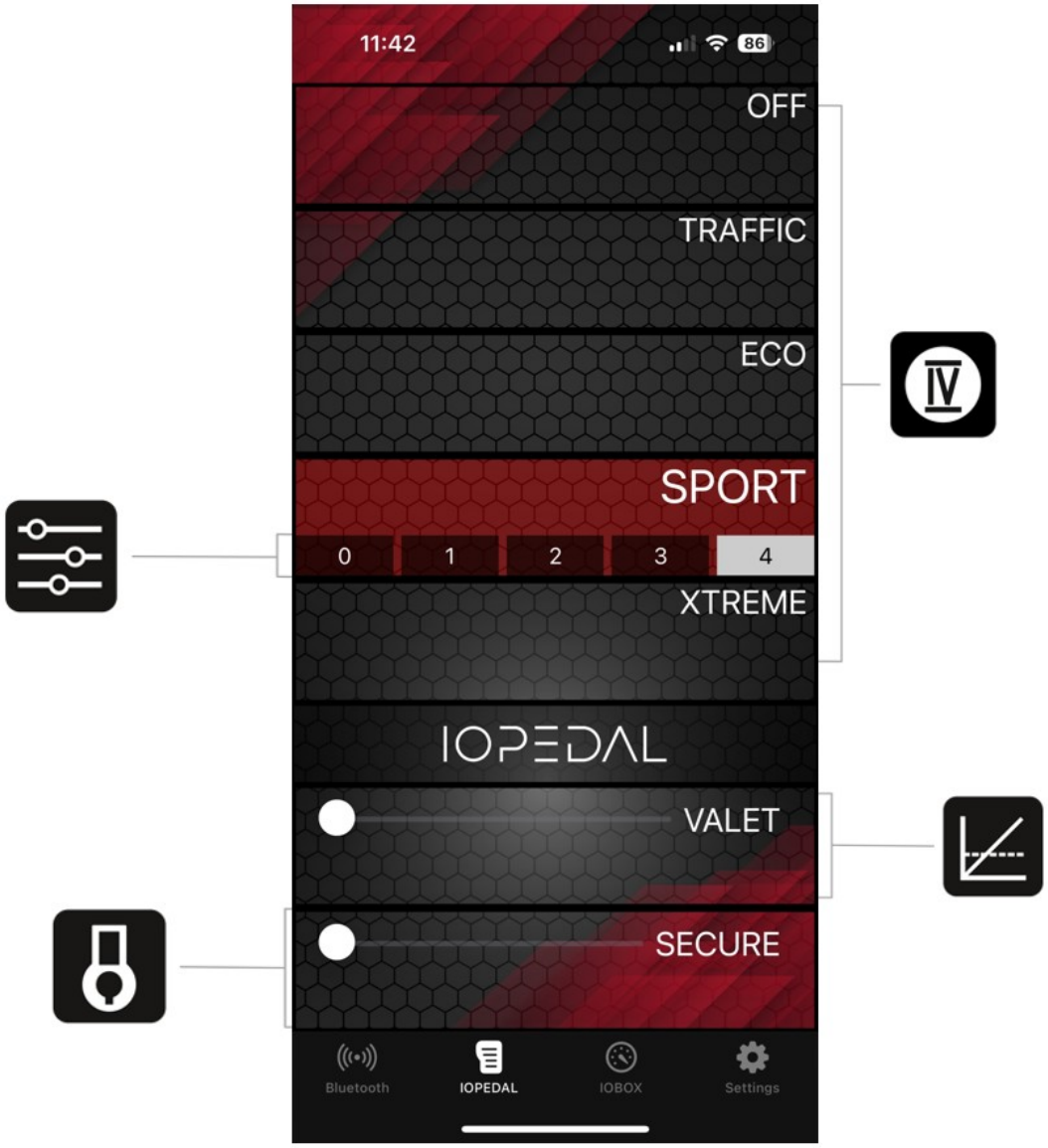


5. **Enter PassKey**: Enter the unique 6-digit PassKey. You can find the PassKey in the following locations:
    - On the label of the module and the remote control (backside).
    - On the label of the IOPEDAL packaging.

6. **Connection successful**: After a successful connection, the app will switch to the main menu.
7. **Use the app**: You can now use the app to make settings and configure the IOPEDAL according to your preferences.
8.

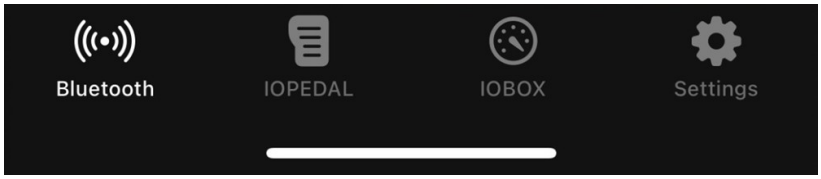
The Functions of the IOTuning App

All settings and functions are clearly arranged on the main screen of the IOTuning App.



App-Menu

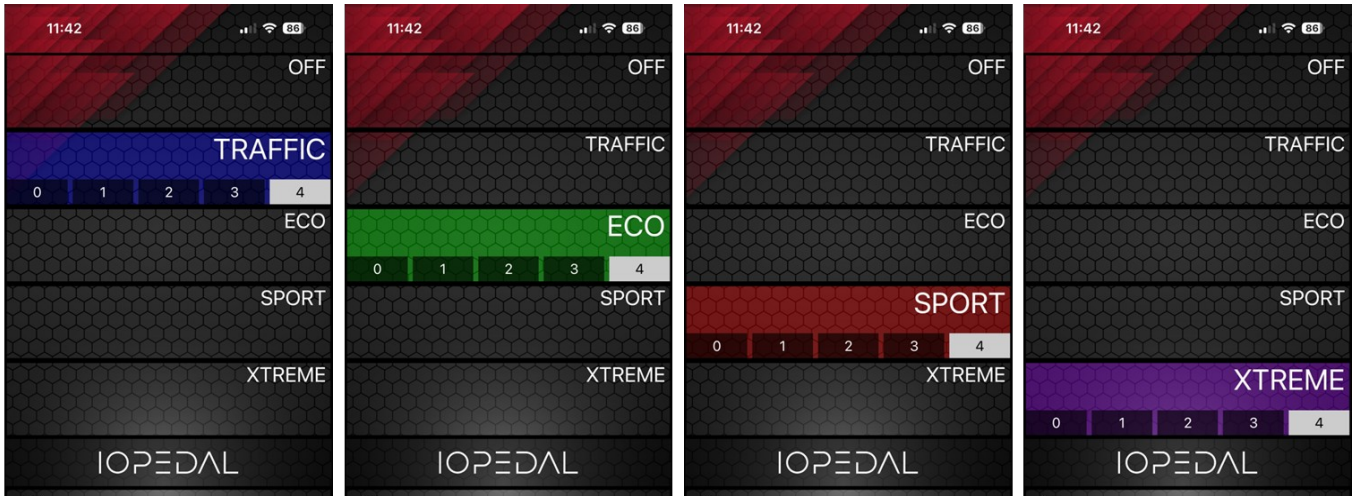
In the lower section of the app, you can easily switch between the different menu categories.



- **Bluetooth**: In the Bluetooth menu, all available devices nearby are displayed, allowing you to easily connect to your IOPEDAL or other devices.
- **IOPEDAL & IOBOX**: If you also have an IOBOX for performance enhancement in addition to the IOPEDAL, you can quickly switch between devices and control both in parallel from this menu.
- **Settings**: In the Settings submenu, you have access to additional options. Here, you can generate a support email or reset the IOPEDAL to factory settings, if necessary.

Selection of Different Driving Modes (drivingModes)

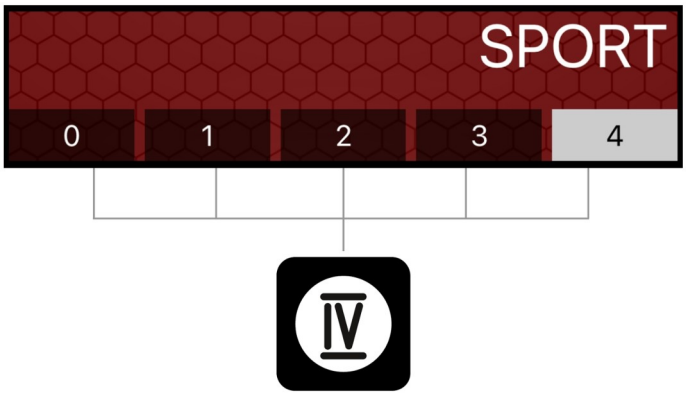
The various driving modes can be selected directly on the smartphone with a click. The activated driving mode is highlighted in color to bring it clearly into focus.



The **OFF driving mode** represents the vehicle's stock condition without any modification to the throttle response. In this mode, the vehicle's performance remains unchanged, and the IOPEDAL does not interfere with throttle input. This allows the vehicle to operate in its original factory setting, without any modifications.

Fine-tuning a Driving Mode

After activating a driving mode, an additional fine-tuning menu will appear. This fine-tuning feature is divided into 5 levels in the smartphone app, just like it is on the remote control.

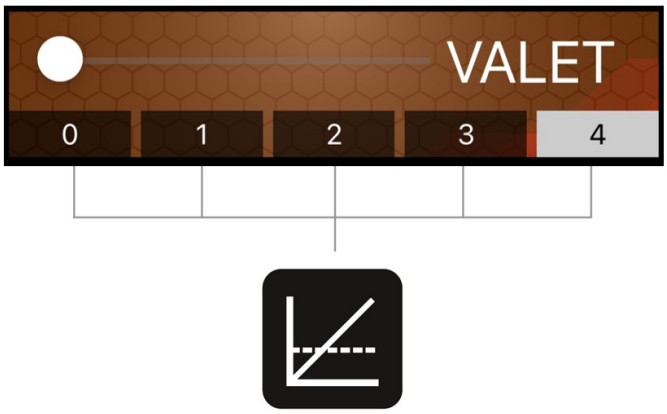


By selecting the individual levels, the chosen driving mode is directly adapted to the vehicle, allowing for personalized adjustment.

Activating and Adjusting valetMode

The **valetMode** is part of the IOPEDAL's safety features. It is activated or deactivated by sliding the **Lock-Slide** from left to right.

Similar to the remote control, 5 levels of power reduction are displayed, which can easily be selected on the smartphone.



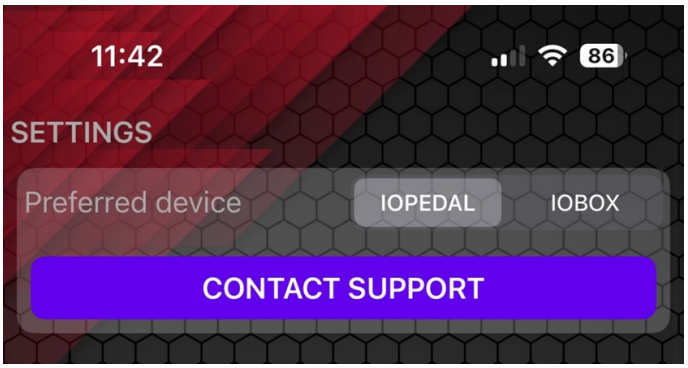
Activating secureMode

The activation and deactivation of **secureMode** is also done using the **Lock-Slide**. As with the remote control, the **drivingModes** can be used alongside the **secureMode**. For more information on how secureMode works, please refer to the chapter "secureMode."

Selecting a Preferred Device

If you use both the **IOBOX** and the **IOPEDAL throttle tuning**, the IOTUNING App offers the option to set a **preferred device**. Once the app is started, it will automatically connect to the device you have selected.

To set a preferred device, choose it from the device list as shown in the image below. This setting ensures that you don't have to manually switch between devices each time; instead, the app will always connect to the desired device.



Creating a Support Email

If you encounter problems with the connection between the app and the IOPEDAL or IOBOX module, the IOTUNING App provides a convenient feature to create a **support email**. This email automatically includes all relevant information, such as app data, connection logs, and details about the IOBOX module.

To create a support email, simply open the corresponding feature 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 IOTUNING Support for fast and efficient assistance.

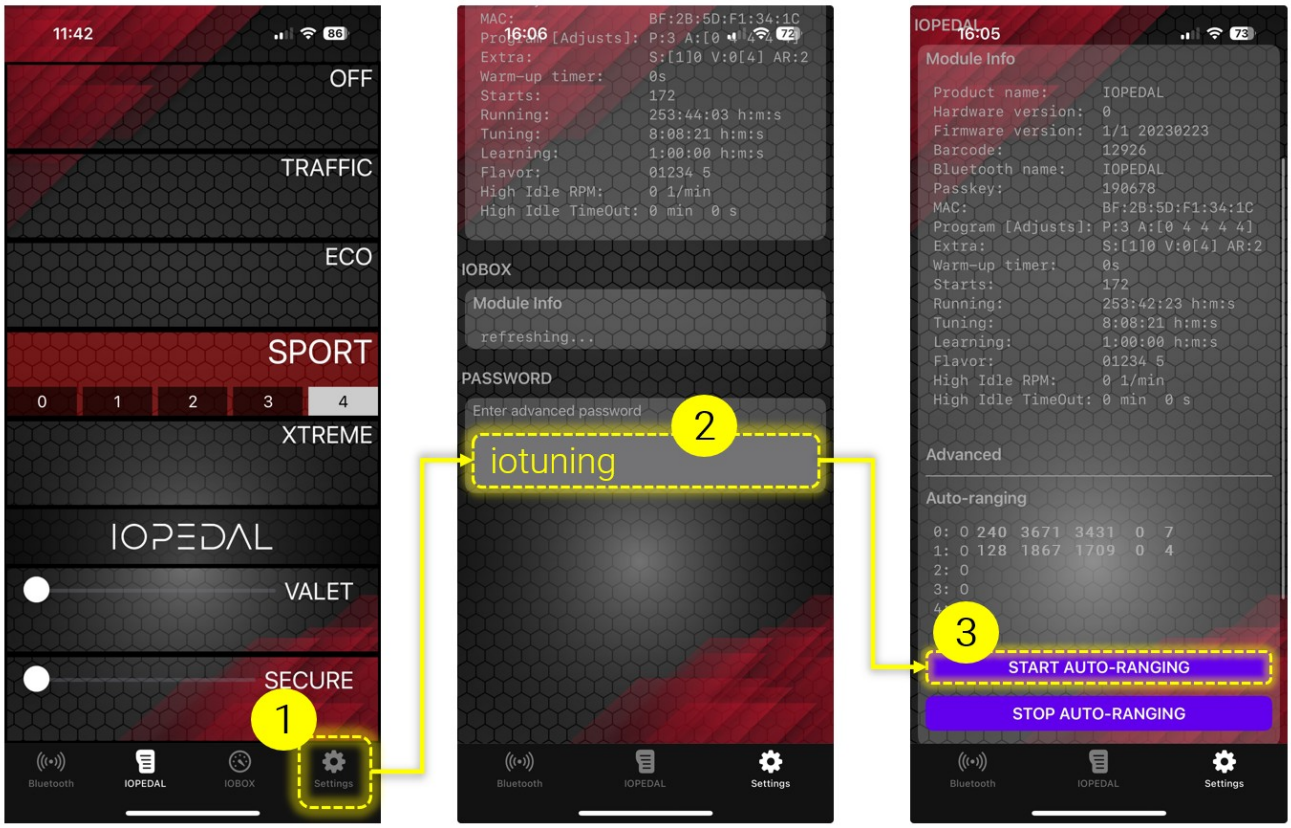
Permanent Storage of Settings

All settings made in the IOTUNING App are permanently stored and remain active even after the vehicle is turned off and parked. This ensures that your preferred driving modes and fine-tunings are automatically applied every time you start the vehicle, without the need to make adjustments again.

Resetting the IOPEDAL to Factory Settings

If you plan to install the IOPEDAL in a different vehicle or wish to recalibrate it (Auto-Ranging Mode), you can reset the IOPEDAL in the "Settings" menu. Follow the steps below:

1. **Turn on the Ignition**: Switch on the ignition and start the IOTUNING App. Go to the "Settings" menu.



2. **Enter Password**: Scroll down to the "PASSWORD" section, enter the password **iotuning**, and confirm with Enter.
3. **Access the Auto-Ranging Menu**: The Auto-Ranging menu is now visible. If the IOPEDAL has already been configured, you can see values similar to those shown in the image. The filled-in values and rows vary depending on the gas pedal and signal type.

   To reset the IOPEDAL to factory settings, click "START AUTO-RANGING." At this point, each row should show the value 0.

4. **Recalibrate**: The IOPEDAL is now reset to factory settings and can be recalibrated. Slowly press the gas pedal to full throttle (including Kick-Down) and hold for 2 seconds. Repeat this process.
5. **Check Configuration Values**: You should now see configuration values similar to the ones in the image above. Note that the values and filled-in rows may vary depending on the gas pedal and signal type.
6. **Complete Auto-Ranging**: Press the "STOP AUTO-RANGING" button. The IOPEDAL is now fully adapted to your vehicle, and the driving modes have been created based on the input signals.

HIGH IDLE – Function

Please note that the High Idle function is a special feature that is only available in the special version of the I**OPEDAL–High Idle** product. If you would like to use this feature, please ensure that you have purchased the appropriate product version.

Identification of the high idle version

You can tell if your IOPEDAL has the High Idle feature by checking the product label. The product name: **IOPEDAL HI** is used on the label.

Additional installation steps for the high idle function

Before installing the IOPEDAL accelerator pedal tuning with high idle function, please refer to the “INSTALLATION” chapter starting on page 6 for basic installation steps. To activate the high idle function, an additional connection to the engine's camshaft sensor is required.

Safety instructions

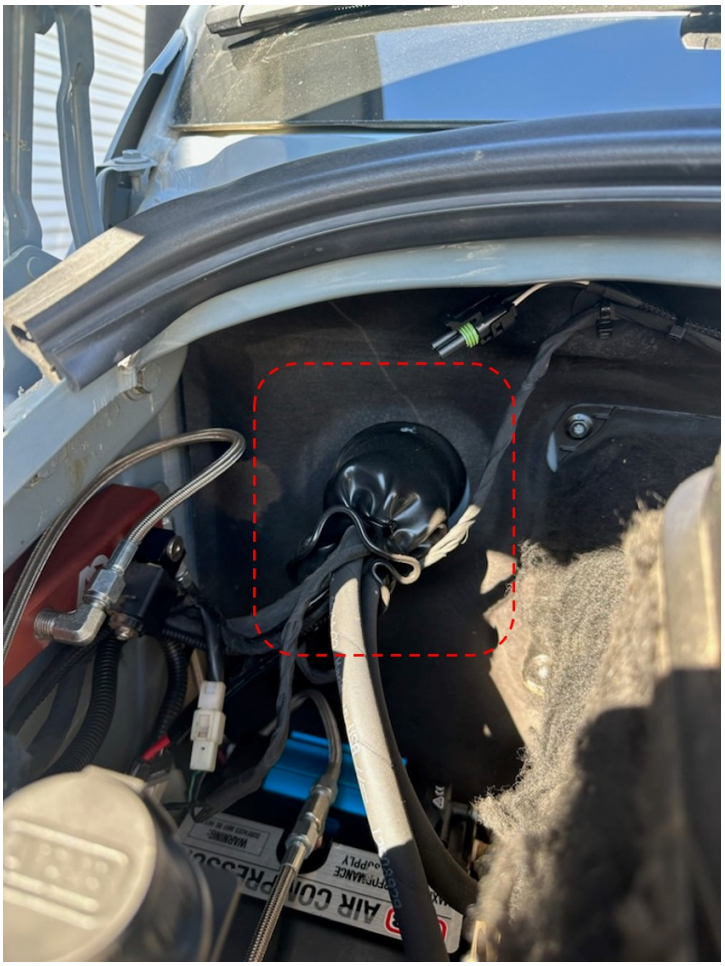
Before you start installation:

Make sure the vehicle's engine and ignition are completely turned off. Place the vehicle key in a location out of reach of the vehicle to prevent accidental starting.

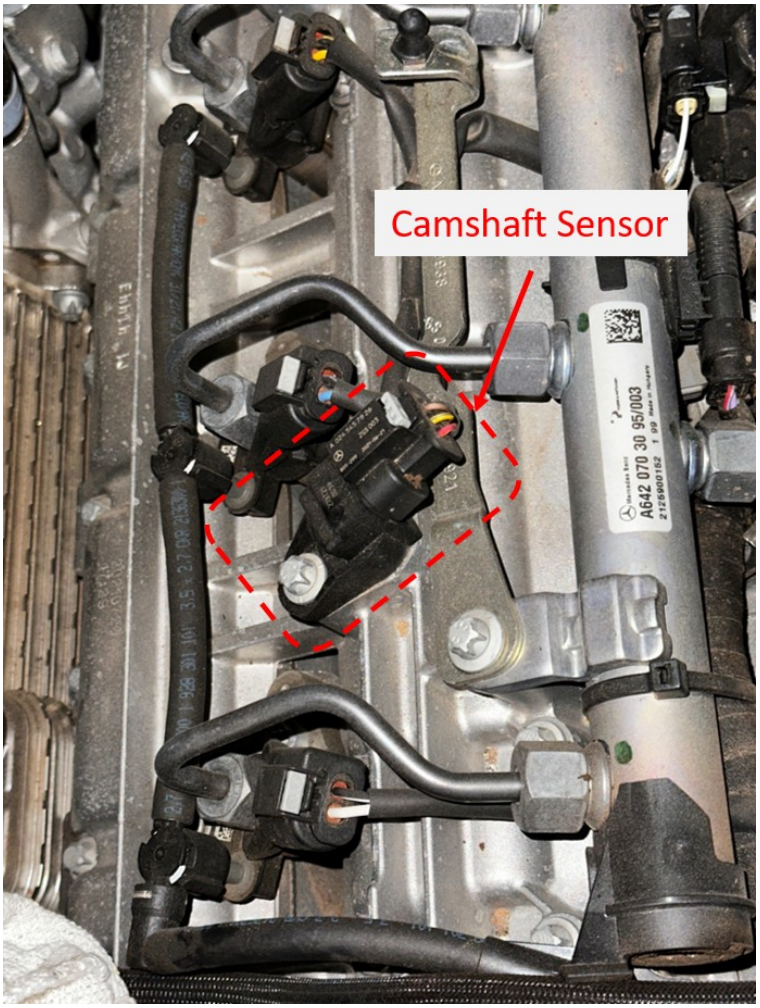
Installation

1. **Installation of the camshaft sensor wire harness**: Route the part of the camshaft sensor wire harness intended for the high idle function from the vehicle interior into the engine compartment. Use existing firewall boot to avoid damaging the cable.

Example: Engine compartment Mercedes Sprinter VS30/907, passenger side.



2. **Locate the camshaft sensor:**
    - Carefully remove any existing engine covers to gain access to the camshaft sensor.
    - Locate the camshaft sensor on the engine. This is usually located near the camshaft on the top of the engine. Disconnect the plug connection of the sensor and connect the supplied wire harness between the sensor and the factory connection cable.



3. **Check the installation:** After completing the installation of the IOPEDAL, it is essential to carry out the following steps to ensure correct and safe installation:
    - Check plug connections: Carefully check all plug connections. Ensure that they are firmly and correctly engaged. A loose connection can lead to malfunctions.
    - Correct cable routing: Ensure that the connection cable of the IOPEDAL is not routed along moving engine components or near parts of the exhaust tract. Improper cable routing can lead to cable damage and potential safety risks.
    - Secure the cable: Use the wire ties provided to securely and firmly fix the cable. This prevents the cable from being damaged or coming loose due to vibrations or movements of the vehicle. Place the wire ties at regular intervals along the cable route to ensure that the cable is routed neatly and securely.

In case of installation difficulties

If you have problems finding the right lead-through to the engine compartment or locating the camshaft sensor, we strongly recommend that you consult your nearest service workshop or authorized dealer before installation. Professional advice will ensure that the installation can be carried out correctly and safely.

Finally

Once the cable has been connected correctly, follow the instructions in the "INSTALLATION" chapter to complete the installation of the IOPEDAL.

Safety instructions - Using the high idle function

The high idle function of the IOPEDAL is designed exclusively for use in stationary operation. Under no circumstances should it be activated while driving, as this can lead to serious accidents. Please follow these steps carefully before using the high idle function:

1. **Activating the handbrake or parking brake:**
    - Before activating the high idle function, make sure that your vehicle has come to a complete stop.
    - Apply the handbrake or parking brake to secure the vehicle. The high idle function may only be used if the handbrake is fully activated and the vehicle at a complete stop.
2. **Check the gear setting:**
    - For vehicles with manual transmission: make sure that neutral gear is engaged.
    - For vehicles with automatic transmission: Select the park position (P). This prevents unintentional movement of the vehicle while using the high idle function.

Danger avoidance

Any disregard of these safety instructions can lead to accidents and damage to the vehicle. It is vital that these steps are followed every time the high idle function is used to ensure your safety and the safety of others.

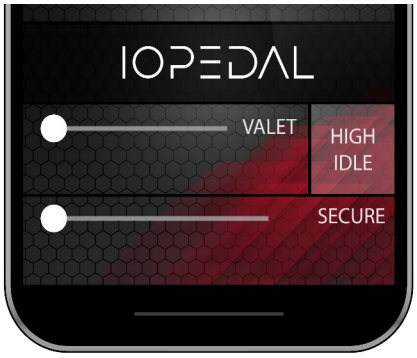
Using the high idle function

Once the IOPEDAL has been fully programmed (auto-ranging), the HIGH-IDLE function can be used alongside the usual accelerator pedal tuning functions.

a) Control by app

Automatic detection and display

The IOPEDAL app is designed to automatically recognize the high idle function of your IOPEDAL. Once the app has been successfully connected to your IOPEDAL device, the corresponding menu options for the high idle function are displayed.



New menu after calling up the function

After you have selected the high idle function in the IOPEDAL app, a new menu opens that has been specially developed for customizing and controlling this function.

Setting the target idle speed

At the top of the menu, you can select the target idle speed using the plus and minus buttons. The adjustable range is between 1200 and 2000 rpm.

Timer-Function

The menu also offers a timer function that allows you to set how long the high idle function should remain active. This option is ideal for automatically ending the function after a certain time.

Safety function and operating elements

To activate the start and stop buttons, use the "SLIDE TO UNLOCK" safety slider. This prevents unintentional activation of the function. Pressing the Start button adjusts the idle speed according to your specification. Pressing the stop button ends the high idle function and the idle speed returns to the default value.

ⓘ	**Please ensure that all safety measures and requirements for using the high idle function are met before pressing the start button.** **Operation via the IOPEDAL APP should only be carried out when the vehicle is safely parked and in a stationary state.**

b) Control by wireless remote

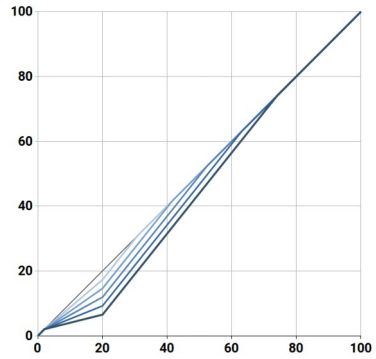
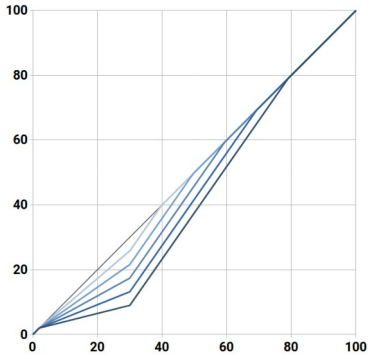
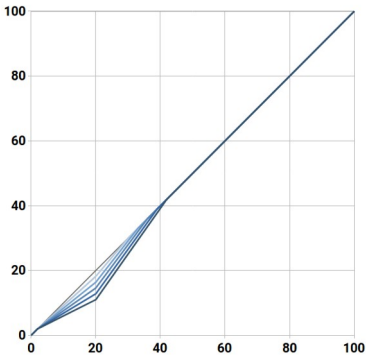
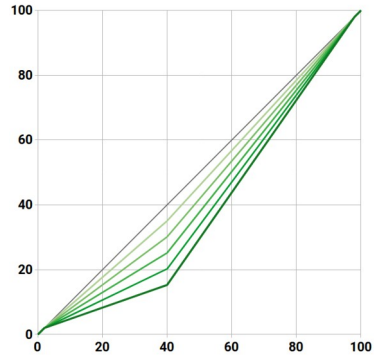
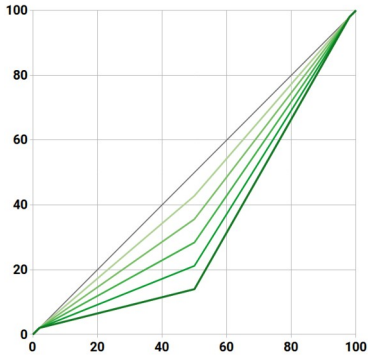
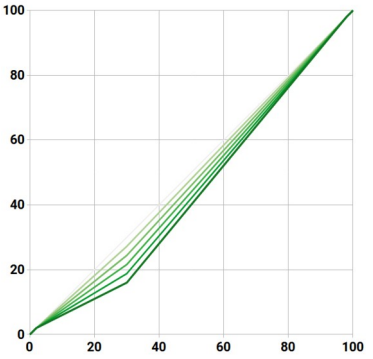
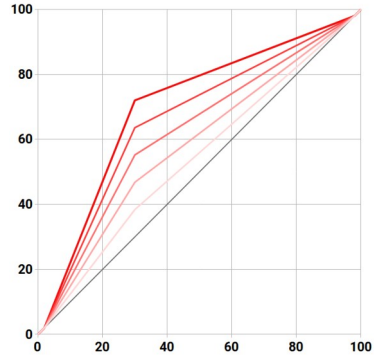
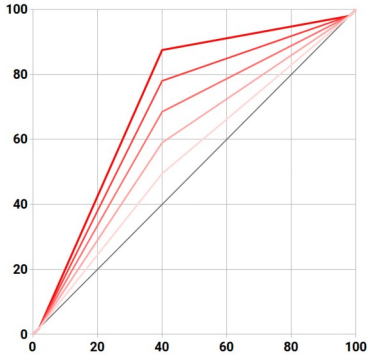
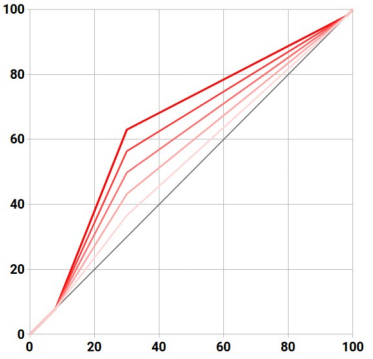
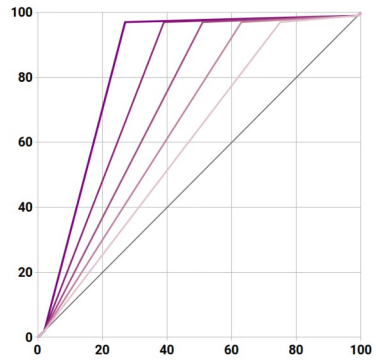
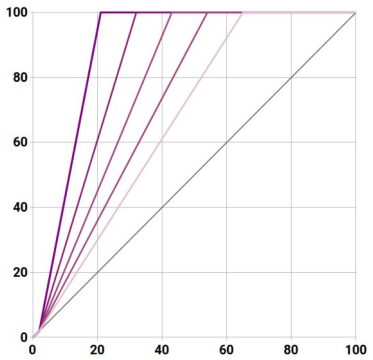
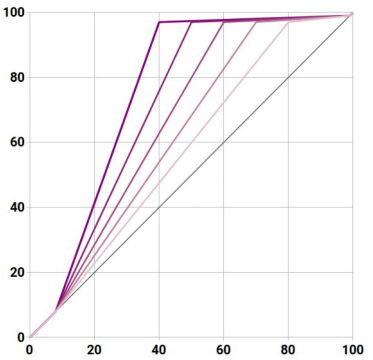
Step 1: Activating valet mode Press and hold the Valet button for 3 seconds or until the LED lights up blue. After the LED has lit up blue, it starts to flash orange, indicating that the module is now in valet mode.	
Step 2: Switch to high idle mode While the module is in valet mode, press and hold the mode button for 3 seconds or until the valet LED lights up blue again.	
Step 3: Setting the speed The IOPEDAL is now in high idle mode, but no specific speed value has yet been set. The adjustable speed values are between 1200 and 2000 rpm in steps of 100 rpm. To increase the idle speed, press the right button repeatedly until the desired speed is reached (e.g. 1200, 1300, 1400, ...). To reduce the speed, use the left button.	
Step 4: Operating the high idle function After setting the desired speed, the motor speed increases or decreases accordingly and the IOPEDAL module sets this speed constantly under varying load.	
Step 5: Deactivating the high idle function To resume normal vehicle operation, press and hold the Valet button for 3 seconds until the LED turns blue. The module now returns to the state it was in before entering valet mode or high idle mode.	

ⓘ	**Please ensure that all safety measures and requirements for using the high idle function are met before pressing the start button.** **Operation via the IOPEDAL APP should only be carried out when the vehicle is safely parked and in a stationary state.**

General remarks

When the high idle function is active, the accelerator pedal is deactivated. The high idle function is switched off by lightly tapping the pedal. This means that the high idle function must be switched off before the vehicle can be driven.

FLAVOR SELECT – Setting overview

	Normal	Power	Precise
Traffic			
Eco			
Sport			
Extreme			

FAQ

Q: How long after entering the vehicle should one wait before removing the OEM connector of the accelerator pedal?

A: This is vehicle dependent but as a rule of thumb it is prudent to wait for 10 minutes and until all in-vehicle displays are powered off.

Q: Is the IOPEDAL active after installation?

A: Yes. After installation the auto-ranging function will start configuring the IOPEDAL. This process runs autonomously and immediately applies the new found setting.

Q: Can the installation do damage to my vehicle?

A: When the correct procedure of the installation manual is followed, no harm can be done to the vehicle. Always use the correct tools for the job. This simplifies the installation and avoid any damage to the vehicle.

Q: Is it possible to disable the IOPEDAL until my engine is warmed-up?

A: Yes. It is possible to adjust the warm-up time of the engine according to your needs from disabled to 8 minutes. In the user menu of the remote you can select this setting. The vehicle must be running to adjust this setting. The standard drtting is disabled.

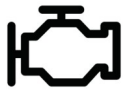
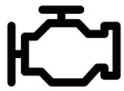
Q: The remote stays on too long/short. How can I change this?

A: In the user menu of the remote power-off time in seconds can be adjusted between 4 to 12 seconds. The standard value is 12 seconds.

Q: The overall settings of all programs are still too strong/weak. Are there any other options to adjust my experience?

A: The IOPEDAL comes with 3 settings: Normal / Power / Precise. The normal-setting is default. The power- setting provides even more power in the experience. The precise setting gives more control to the accelerator pedal. Use the remote's user menu to switch between these settings.

Troubleshooting

Problem	Solution
Check engine light is on after first starting the engine. 	• Turn off the ignition, check all connections and retry. • If the check engine is caused by an installation error which has been resolved (the accelerator pedal works as excepted) it is possible that the check engine light remains active for several vehicle starts. After 5 vehicle starts this warning light should disappear. • If the accelerator pedal still doesn't work as expected, contact customer support for assistance.
Connector doesn't fit or needs a lot of force to fit.	• Compare the OEM connector with the connector on the wire harness and see if they match. • If the connectors don't match, the wire harness isn't suitable for your car. Contact customer support for further assistance.
Connector does fit but check engine light is on and there is a poor to no throttle response. 	• Possibly a wrong wire harness was ordered with the same connector plugs but different pinning. • Contact customer support for further assistance.
The response of the vehicle is too strong. The acceleration is too high or the engine goes in too high RPMs.	• Select a less powerful sub-program by pressing the modeButton and moving the selector to the left. If this reduction isn't enough, select a lower type of program.
The response of the vehicle is too weak.	• Select a more powerful sub-program by pressing the modeButton and moving the selector to the right. If this increase isn't enough, select a stronger type of program.
The remote can't connect to the IOPEDAL or looses it's	• The wireless signal is getting interference or is being obstructed.

connection too often.	• Try changing the position and/or orientation of the module.
The engine's RPM goes up slowly or is too high at idle.	• Reset the auto-ranging by accessing the user menu in the remote. Start the engine and select the “Start auto-ranging” function. • Press the accelerator completely down for 2 seconds and release. • Select the “Stop auto-ranging” from the remote's user menu.
Other issues and problems	• Contact the customer support for assistance.

Declaration of Conformity

EU Declaration of Conformity (DoC)

We

Company name:	IOTuning GmbH
Postal address:	Am Alten Ostbahnhof 38
Postcode:	44135
City:	Dortmund
Country:	Deutschland
E-Mail address:	info@iotuning.com

declare that the DoC is issued under the sole responsibility and belongs to the following product:

Apparatus:	Accelerator Pedal Tuning
Type:	PDL21 / RMT21

Object of the declaration:

Commercial name:	IOPEDAL
Article numbers:	M1-001
	M1-002
E-type approval	E1*10R06/01*9562*00

The object of declaration described above is in conformity with the relevant harmonization legislation:

Automotive EMC Directive, UN ECE R10
Radio Equipment Directive, RED 2014/53/EU
Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive (RoHS) 2011/65/EU

Standards used:

CISPR 25 Ed 2.0:2002	EN 301 489-1 v2.2.0 (2017-03)
ISO 11452-4:2020	ISO 11452-2:2019

Signed for and on behalf of:

Dortmund	15.12.2021	Mr. Andre Henkel, CEO
Place of issue	Date of issue	Name, function, signature

Disclaimer of liability

Use at your own risk

The use of the IOPEDAL is exclusively at the user's own risk. The manufacturer, distributor or dealer (hereinafter referred to as "seller") accepts no liability for direct or indirect damage or loss resulting from the installation or use of the product. Effects on riding behavior

Effects on riding behavior

The IOPEDAL accelerator pedal tuning affects the response behavior and reaction time of the engine, which can lead to altered driving characteristics of the vehicle. The user should be aware that these changes may require an adjustment of the driving style.

Special note for the USA, especially California

In the USA, especially in California, the use of the IOPEDAL accelerator pedal tuning is intended exclusively for racing vehicles that are not operated on public roads.

Acceptance of the conditions

By installing the product, the purchaser acknowledges that he/she has read and understood this agreement and accepts the terms and conditions. IOTUNING GmbH, its distributors, employees and dealers are not responsible for the proper use and maintenance of the product.

Waiver of liability claims

Buyer hereby waives all liability claims against Seller. Seller shall have no liability beyond the description contained herein, including any express or implied warranties of fitness, merchantability and consequential damages, whether or not based on Seller's negligence.

Exclusion of warranty and liability

Seller disclaims all warranties and assumes no liability for personal injury or damage caused by the product. The buyer agrees to indemnify the seller against all claims in connection with the purchased product.

No liability for consequential damages

Under no circumstances shall the seller be liable for any damages or costs incurred as a result of the use or sale of the product. The buyer is responsible for the proper installation and use of the product and for all manufacturer's warranty issues.

Warranty terms

IOTUNING GmbH provides a limited warranty on the IOPEDAL accelerator pedal tuning covering defects in materials and workmanship. IOTUNING GmbH is not responsible for the proper use and maintenance of the products and the purchaser hereby waives all rights not expressly set forth herein.

Warranty period

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

Warranty claim

- If a warranty claim occurs during the warranty period, IOTUNING GmbH will repair or replace the product at its own discretion.
- Warranty conditions: The warranty applies only to the original purchaser and is non-transferable.

Excluded damages

The warranty does not cover damage caused by improper use, normal wear and tear, accidents or unauthorized modifications.

Procedure for warranty claims

- Contact: If a warranty claim is suspected, the customer should contact IOTUNING GmbH customer service immediately.
- Warranty processing: The customer is requested to send in the product together with the proof of purchase. The costs for shipping to the service center are to be borne by the customer.

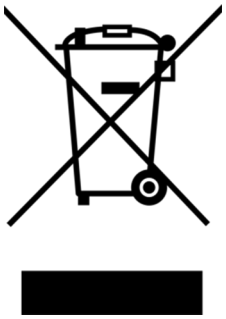
Exclusion of further claims

This warranty is in lieu of all other warranties, express or implied, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. IOTUNING GmbH shall not be liable for indirect, incidental or consequential damages or for labor or travel expenses incurred in the diagnosis of defects, removal or reinstallation of this product or other contingent costs.

Legal provisions

The warranty is governed by the laws of the country in which the product was sold. Certain rights may vary depending on local law. Installation of this product signifies that the purchaser has read and understood this agreement and accepts its terms and conditions.

Waste electrical equipment and batteries



1. it should be noted that all owners of waste electrical and electronic equipment are required by law to collect this equipment separately from unclassified municipal waste. Accordingly, it is forbidden to throw old electrical and electronic equipment into the residual waste garbage cans or yellow garbage cans. The obliterated dustbin symbol shown below and affixed to electrical and electronic equipment also indicates the obligation to collect separately.

2. point out to all owners of waste electrical and electronic equipment that it is a legal requirement to remove them before handing over these waste equipment, waste batteries, waste accumulators, unless they are surrounded by these waste equipment.

3. point out that all end users of WEEE are responsible for deleting the personal data of the WEEE they dispose of.

4. owners of WEEE have defined and available options for return or collection of WEEE by public waste management authorities to ensure proper disposal of WEEE. It is also possible to hand in electrical and electronic equipment for reuse. For more information, please contact the relevant collection point or collection service.

The following link provides the option of viewing an online directory of collection and take-back points:

https://www.ear-system.de/ear-verzeichnis/sammel-und-ruecknahmestellen

5. note on the WEEE registration number: (WEEEReg.Nr. DE) registered: DE 71202783

Battery:

Since batteries and rechargeable batteries may be included, we are required by the Battery Act (BattG) to point out the following: Batteries and rechargeable batteries may not be disposed of with household waste, but the return of used batteries and rechargeable batteries is required by law. .. Used batteries may contain harmful substances and may be harmful to the environment and human health if stored or disposed of improperly. The battery also contains important raw materials such as: B. can be recycled with iron, zinc, manganese or nickel. You can return the battery free of charge after use or drop it off at a nearby location (store, municipal collection point, shipping store, etc.). Retail sales are limited to regular consumer quantities and spent batteries that the distributor has or had in stock as new batteries.

A sign with a wheeled garbage can and a cross means that the battery and accumulator must not be disposed of in household waste. Below this symbol there are also the following symbols, which have the following meaning:

Pb: Battery contains lead

Cd: Battery contains cadmium

Hg: Battery contains mercury

The following batteries are present in our electrical appliances:

Battery type: CR2032

Height: 3.2 mm

Width: 20 mm

Voltage: 3 Volt

Capacity: 0,23 Ah

Chemical composition: Lithium

Contact

The IOTuning support team is available to assist you during the office hours.

Quick help or answers to your questions via WhatsApp

+49 231 5868 7250

Email-Support via support@iotuning.com

For a fast and efficient support experience please add following information on first contact:

- Name, email, telephone number
- Sales invoice (PDF/picture)
- Vehicle make, type, engine and year
- IOPEDAL, remote and wiring loom bar codes
- Accelerator pedal pictures and installation pictures
- Problem description

Legal notice

IOTuning GmbH

Am Alten Ostbahnhof 38

44135 Dortmund

CEO: Andre Henkel

Sales tax identification number: 317/5913/3475

Commercial register Dortmund HRB-Nr.: 33020

VAT: DE343919967