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ChipPower GS2

ChipPower Performance Tuning Box GS2 User Manual

For Seat Ibiza Mk4 IV (6J/6P) 1.4 63 kW 85 HP (2008-2017)

1. Introduction

The ChipPower Performance Tuning Box GS2 is an electronic device designed to optimize engine performance for compatible vehicles. This device connects to specific sensors in your vehicle's engine to modify signals, potentially leading to increased engine power and torque, improved fuel efficiency, and reduced turbo lag. It is compatible with DPF/GPF systems and various gearbox types.

2. Safety Information

Please read all instructions carefully before installation and operation. Improper installation or use may result in damage to the vehicle or the device. Always ensure the vehicle's ignition is off and the battery is disconnected before performing any installation steps.

- The ChipPower GS2 features an engine protection function to help ensure safe operation.
- Installation of this device does not void the vehicle's warranty.
- Upon removal, the vehicle's engine control unit (ECU) will revert to factory settings.
- Ensure all connections are secure and free from moisture or debris.

3. Package Contents

Verify that all items listed below are present in your package:

- ChipPower GS2 Tuning Box
- Dedicated connection cable for your vehicle
- User Manual (this document)
- Zip ties for securing cables



Image: The complete ChipPower GS2 package contents, showing the main tuning box, the specific wiring harness, several instruction sheets, and cable ties.

4. Setup and Installation

The ChipPower GS2 is designed for quick and straightforward installation, typically taking around 10 minutes. It utilizes a 'Plug & Drive' system with an original connector cable specific to your vehicle. No specialized tools or mechanic's workshop assistance are usually required.

4.1 Identifying Sensor Type

The installation involves connecting the chip box to a specific car sensor: either the MAP (Manifold Absolute Pressure), MAF (Mass Air Flow), or IAT (Intake Air Temperature) sensor, depending on your car's configuration. Refer to the specific installation instructions provided with your product or online for your exact vehicle model.



Image: Example of a MAP (Manifold Absolute Pressure) sensor.



Image: Example of a MAF (Mass Air Flow) sensor.

4.2 Connection Steps

1. **Prepare the Vehicle:** Ensure the vehicle's engine is off and cool. Disconnect the negative terminal of the car battery for safety.
2. **Locate the Sensor:** Identify the correct sensor (MAP, MAF, or IAT) in your engine bay according to your vehicle's specific instructions.
3. **Disconnect Original Sensor:** Carefully disconnect the original wiring harness from the identified sensor.
4. **Connect ChipPower Cable:** Connect one end of the ChipPower dedicated connection cable to the vehicle's original sensor.
5. **Connect ChipPower Cable to Harness:** Connect the other end of the ChipPower dedicated connection cable to the vehicle's original wiring harness that was previously disconnected from the sensor.
6. **Connect Module:** Connect the ChipPower GS2 tuning box to the dedicated connection cable. Ensure a secure 'click' indicates proper connection.



Image: Connecting the dedicated cable to the ChipPower GS2 module.



Image: Step-by-step visual guide for connecting the module to the cable, highlighting the 'click' for a secure fit.



Image: Schematic diagram showing how the tuning box integrates with the vehicle's sensor and wiring.

4.3 Securing the Module and Cables

Use the provided zip ties to secure the ChipPower GS2 module and its cables away from moving engine parts, heat sources, and areas prone to moisture. Ensure the module is mounted in a stable position.

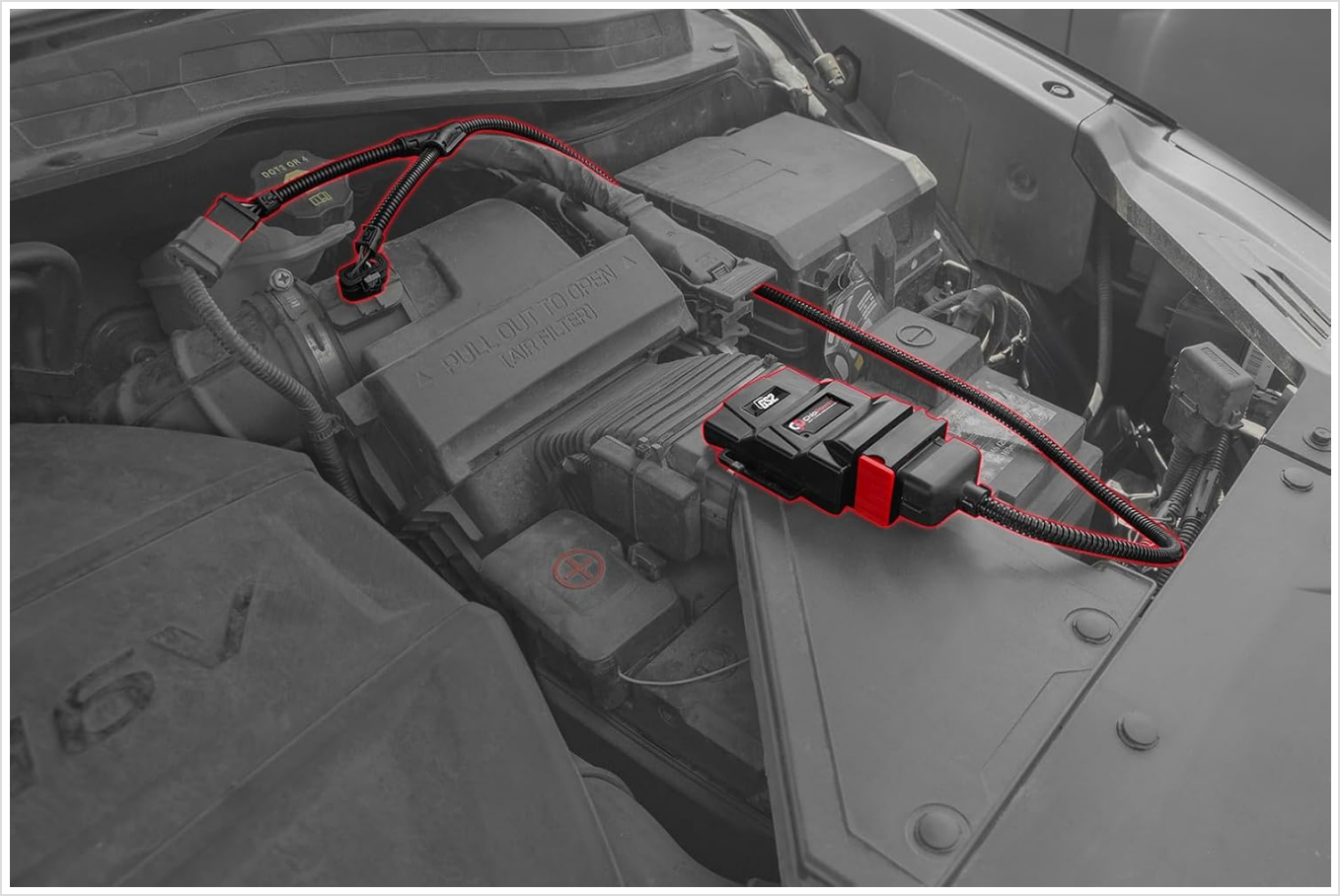


Image: The ChipPower GS2 module and its wiring installed and secured within a vehicle's engine compartment.

4.4 Adjusting Performance Settings

The ChipPower GS2 module may feature an adjustment screw to fine-tune performance settings. This allows for customization of the power output. Refer to the specific instructions for your model for guidance on adjusting these settings. Typically, a small screwdriver is used to turn the screw.



Image: Detailed view of the ChipPower GS2 module, highlighting the adjustment screw for performance calibration.

5. Operating Instructions

Once correctly installed, the ChipPower GS2 operates automatically. There are no further user interactions required for its basic function. The device continuously optimizes engine parameters based on its internal programming and any manual adjustments made via the setting screw.

- The device is compatible with both key and keyless car starter systems.
- It functions with all types of gearboxes.

6. Maintenance

The ChipPower GS2 tuning box requires minimal maintenance. Keep the module and its connections clean and dry. Periodically inspect the wiring for any signs of wear or damage. Do not attempt to open the module casing, as this may void the warranty and damage the device.

7. Troubleshooting

If you experience any issues after installation, consider the following troubleshooting steps:

- **Check Connections:** Ensure all connectors are securely fastened and properly seated.
- **Verify Sensor Type:** Double-check that the device is connected to the correct sensor (MAP, MAF, or IAT) for your vehicle.
- **Battery Reconnection:** After installation, ensure the car battery is reconnected properly.
- **Revert to Stock:** If problems persist, disconnect the ChipPower GS2 module and reconnect the original sensor wiring to return the vehicle to its factory settings. If the issue resolves, contact customer support.

8. Specifications

Feature	Detail
Model	GS2
Manufacturer	ChipPower
Compatibility	Seat Ibiza Mk4 IV (6J/6P) 1.4 63 kW 85 HP (2008-2017)
Safety Ratings	CE, UKCA, RoHS
Engine Protection	Integrated function
DPF/GPF Compatible	Yes
Installation Type	Plug&Drive
Dimensions (Module)	Approx. 110 mm (H) x 90 mm (W) x 37 mm (D)
Cable Length	Approx. 1000 mm



Image: Technical drawing illustrating the dimensions of the ChipPower GS2 tuning box and its accompanying cable.

9. Warranty and Support

ChipPower products are manufactured by a European company specializing in auto tuning. The chip boxes are designed with an engine protection function and do not void your vehicle's warranty upon installation. For specific warranty details, technical support, or further assistance, please refer to the contact information provided with your

product packaging or visit the official ChipPower website.

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