# Powergate3+ Decoder

## Instruction manual and user's guide

This manual explains features and provides basic information about how to set up and operate the Powergate3+ Decoder, including instructions on how to download Alientech Slave Manager software and configure User tools. The manual also includes warnings and precautions for the safe and proper use of the product.

# Warning

## Important Notices regarding the use of Powergate3+

**Warning: by using this Product you gives your acceptance to the terms of license and warranty contained in the section Product Warranty and Software License.**

**To avoid electrical shock, do not open the case when the tool is connected. Refer any required servicing of product to Alientech Srl only.**

The product and its accessories are for professional use only.

## Important Notices regarding the contents of this guide

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- This guide and the screen images used throughout this guide are subject to change without notice.

## Regulatory Information

- The marks are located on the rear side of the tool.
- The product meets the essential requirements of Regulation N.10 ECE.
- The product complies with Part 15 of the FCC Rules (47 CFR).
- The product is in conformity with FCC and ECE standards only if used with cables supplied and according to what specified in this user's guide.

# Table of contents

# Precautions

**Before using this product, carefully read this manual and retain it for future reference.**

## Safety

This product has been designed with the highest concern for safety. However, any electrical device, if used improperly, has the potential for causing fire, electrical shock or personal injury. To help ensure accident-free operation, follow these guidelines:

- Observe all warnings, precautions and instructions.
- Stop use, unplug the USB cable from the PC and disconnect any other cables immediately if the device functions in an abnormal manner, produces unusual sounds or smells, or becomes too hot to touch.
- Never disassemble the product or accessories. Use the Powergate3+ and accessories according to the instructions and guidelines provided in the user's guide. No authorization for the analysis or modification of the product, or the analysis or modification of the Alientech Slave Manager software, or the analysis of its circuit configuration, is provided. Disassembling will void the product warranty and may be dangerous

## Use and handling

- Do not use the tool near water.
- Use only cables supplied by the Alientech S.r.l., its subsidiaries and affiliates or by an authorized dealer.
- Do not expose the tool or accessories to high temperatures, high humidity, or direct sunlight.
- Do not leave the product or accessories in a car with the windows closed (particularly in summer).
- Do not expose the product or accessories to dust, smoke, or steam.
- Do not allow liquid or small particles to get into the product or accessories.
- Do not place the product or accessories on surfaces that are tilted, unstable or subject to vibration.
- Do not drop or step on the product or accessories, and do not subject the device to strong physical shock.
- Do not put heavy objects on the product or accessories.
- Do not touch or insert foreign objects into the connectors of the tool or accessories.

## LCD Screen

- The LCD screen is made of glass and may crack if subjected to excessive force.
- Pixels that are not lit or are continuously lit may appear in certain locations on the LCD screen. The possible occurrence of such spots is a normal occurrence associated with LCD screens and is not a sign of a malfunction.
- Direct exposure to sunlight may damage the product's LCD screen.
- When using the product in a cold environment, you may notice shadows on the graphics or the screen may appear darker than usual. This is not a malfunction, and the screen will return to normal when the temperature goes up.

## WEEE Directive

This symbol on the product or its packaging indicates that this product shall not be treated as household waste. In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling

## Cleaning

- **Cleaning the exterior surface excluding the LCD screen:** Wipe gently with a soft cloth. Do not use solvents or other chemicals to clear the exterior surface of the Powergate3+.
- **Cleaning the LCD screen:** Wipe gently with a soft cloth.
- **Cleaning the connectors:** Do not use the product if the connectors are not clean. Remove the dirt with a dry cloth.

# Checking the package contents

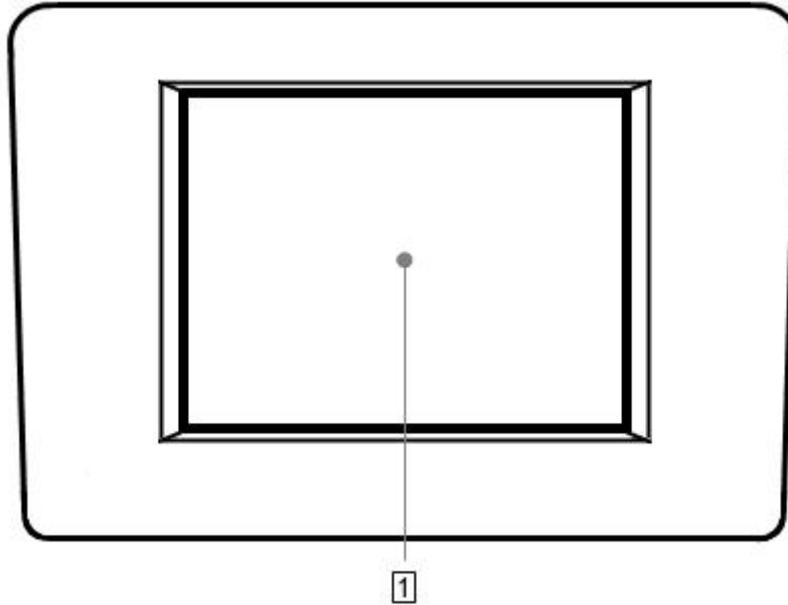The basic kit supplied with Powergate3+ includes:

☐ Powergate3+ tool



☐ 1 USB cable

If any items are missing, contact [info@alientech.to](mailto:info@alientech.to) providing your Customer Code.

> Always keep the original packaging. In case of required servicing of the product, the tool must be returned with all accessories.
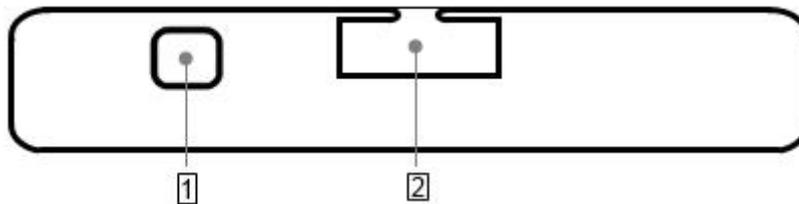
## Part names and functions

### Front side of the tool



1 **LCD Display**

Touch screen display to use the software embedded in the tool.

### Upper side of the tool



1 **USB connector**

Connect the tool to the computer.

2 **Cable connector**

Connect the cable supplied with the tool.

# Basic Operation

## Installing Alientech Slave Manager software

1. Download the Alientech Slave Manager software from the *Download* section of the website www.alientech.to and save the file SetupManager.exe in a folder of your computer.
2. Disable any anti-virus or anti-spam software that may prevent the installation of drivers.
3. Double click the file SetupManager.exe to open the wizard and install the Alientech Slave Manager software.

> **Notice:** When the security warning saying it is not possible to verify the authenticity of the software or drivers is displayed, please click on Install.

4. Follow the on-screen instructions and wait for the installation to complete.
5. Connect the Powergate3+ to your computer using the USB cable provided.

After the installation has completed, Alientech Slave Manager will start automatically.

## Main window of the software

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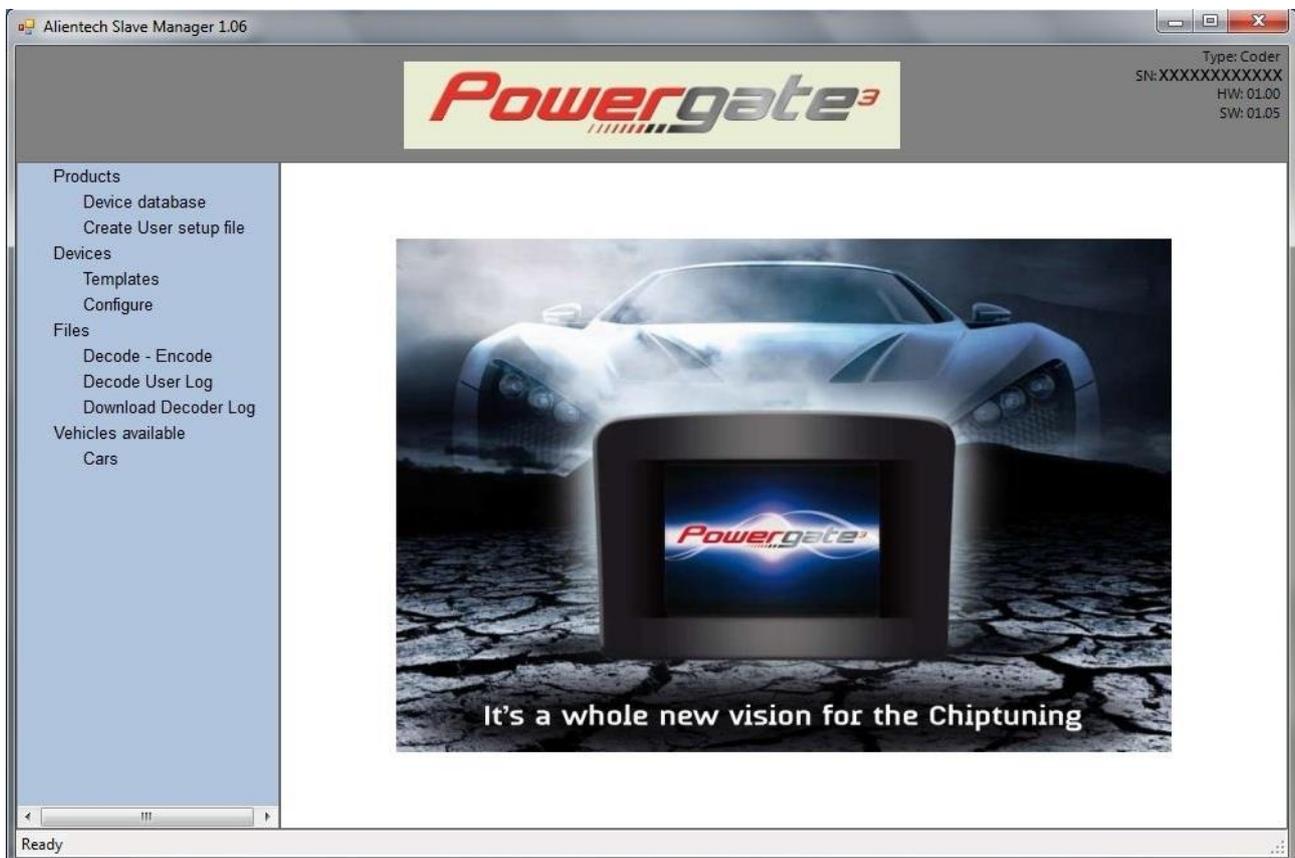
## 1 Products

**Device database -** To display a list with all the devices assigned to your Decoder profile. An active Internet connection is needed.

**Create User setup file -** To create the Setup file your customers will use to run the user-end software.

## 2 Devices

**Templates -** To enter the name of your User devices, create or upload already existing customized wallpapers and icons of the software embedded in your User devices, translate in your language the messages displayed on the touch screen of your User devices and preview them (as to check the length of messages on screen), enable the vehicles your User will program and add remarks to your template.

**Configure -** To initialize a new User device by assigning a specific template to a serial number.

## 3 Files

**Decode - Encode -** To manage files received from your Users.

**Decode User Log -** To decode the LOG files received from your Users.

**Download Decoder Log -** To save on your computer the LOG file of your Decoder device, so that you can send it to Alientech Technical Support Service.

## 4 Vehicles available

**Cars -** To display a complete list of all cars supported by Powergate3+.

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To make best use of Alientech Slave Manager, we suggest you to hit the maximize button in the titlebar.

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## Operating procedures

### Displaying your devices

Click on **Device database** and then on **Continue** to display the list of all the devices you purchased, both the devices already assigned to a customer and those in your stock still to initialize.

You can filter the information as in Excel.

We remind you that an active Internet connection is needed to display the list.



You can sort the content of the table by Serial Number, Type, and Vehicles by clicking on the column-title box.

### Creating the setup file for your Users

1. Click on **Create User setup file**.
2. Enter the name of your customized device in the Application Name field.
3. Enter the folder where to save the setup file in the Destination Folder field.
4. If you wish to give your software a different icon to display on the desktop of your User's computer, click on Change Icon and select folder and file.

The icon file must be in an .ico format, 48x48 px size suggested. You can change the size of the icon, but you have to keep it squared.

5. Click on Start to save the Setup File on your computer. A file named Setup[name entered in the Application Name field].exe will be saved so that you can send it to your customer by e-mail.

## Powergate User Setup

**Enter the App Name**

Application Name    PWGUser

**Enter the destination folder for powegate user files**

Destination Folder    PWGUser

**Change the Desktop Icon**

Change Icon

START

# Customizing your Templates

1. Click on **Templates**.



2. Click on New to create a new template.
3. Enter the name of your device. This name will appear in each message of the software embedded in the User device.
4. Click on each picture to upload the ones you want to be used on your User Devices. Size requirements are written above each set of picture. Only 24bit bitmap format supported.
5. Click on Save to enter a name for the new set of pictures and save it (we suggest you to keep the same name as the Setup file). If you've already created a set of pictures, click on Load to choose among the ones available.
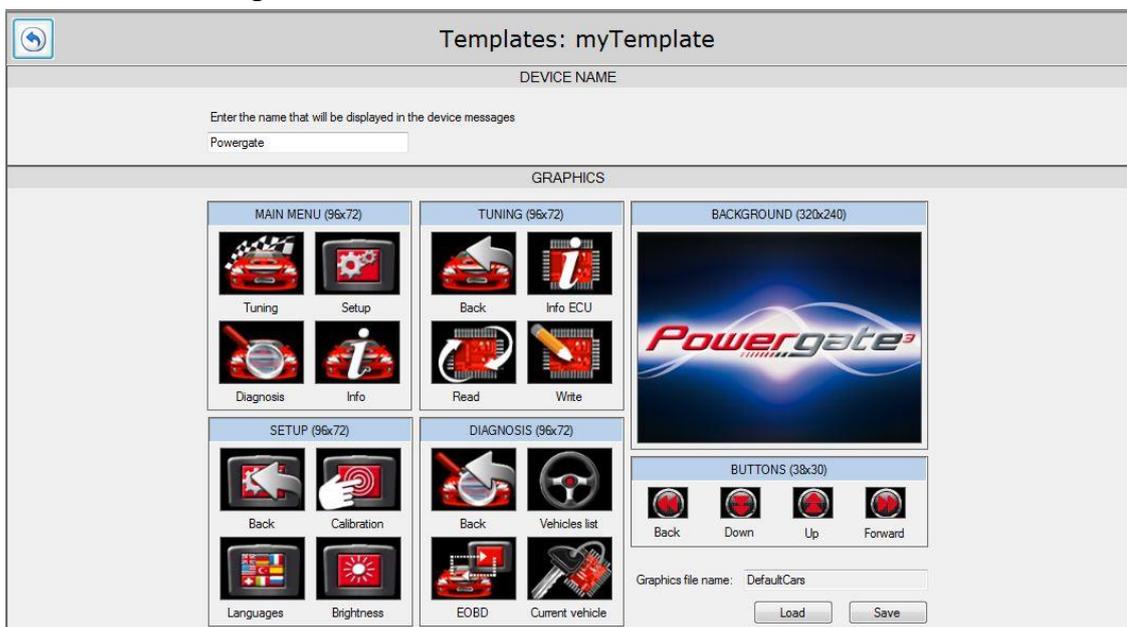
6. Scroll down the screen to display other options to customize.
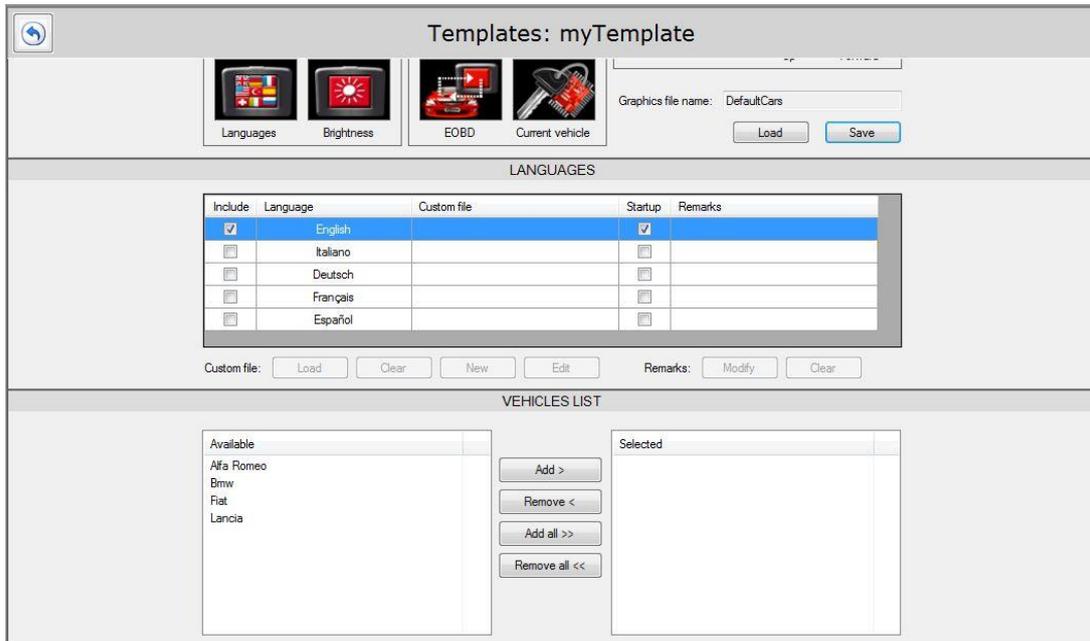


7. Select a language and then click on New to add your translation or check the message length. If you've already created a translation, click on Load to choose among the ones available.

On the left there is the reference string, on the right the one you can customize just by clicking on it.

For each message you can see a preview at your left (option not available for menu items or choice buttons).

'&' stands for the name of your device

'|' is a breaking space

8. Once you're done, click on Save&Assign to enter a name for the translation and then hit the arrow at the top left to go back to the myTemplate page.



Now you can add a remark to your translations by clicking on Modify.

9. Select one or more brand of vehicles to assign to your User Device.
   **Your User will see only the vehicles of the brand assigned, even if new brands will be added to the list of vehicles available.**

10. Add a remark for the template you are creating. We suggest you to add a detailed description of the template.
11. Click on Save to save the new template.

The name of the new template, together with all other information regarding this template, will appear in the User Profile page.

# Initializing a new User Device

1. Click on Configure.
2. Wait until in the box at the bottom left is displayed the number of Licenses available to configure User devices.
3. Click on Continue.
4. Connect a new device to your computer (the Decoder device must still be connected).
5. Wait until the new device is recognized by your computer.
6. Select a template.
7. Click on Start to begin the initialization of the new device.
8. Wait until the initialization is completed and then unplug the User device from your computer.



We remind you that an active Internet connection is needed to initialize devices.

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# Decoding/Encoding files received from your Users

## Decoding a file

1. Click on Decode - Encode.
2. Click on Continue.
3. Select the folder where you saved the encoded file received from your User by clicking the icon 📂.
4. Save the original file in a folder of your computer so that you can edit it using a chiptuning software.
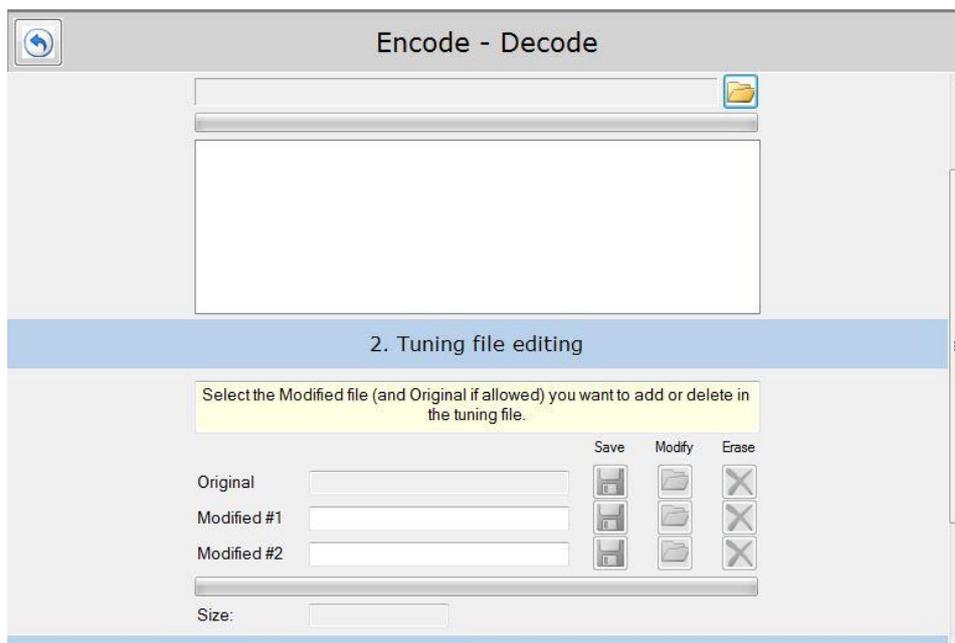


## Encoding a file

1. Click on Decode - Encode.
2. Click on Continue.
3. Browse the folder where you saved the original file received from your User by clicking the icon 📂 and select the original file.
4. Select up to two modified files by clicking on the icon 📂 in the Modify column. If case you want to remove a modified file already associated to that original, just click the icon ⊠.
5. Click on start to create the encoded file to send your costumer.
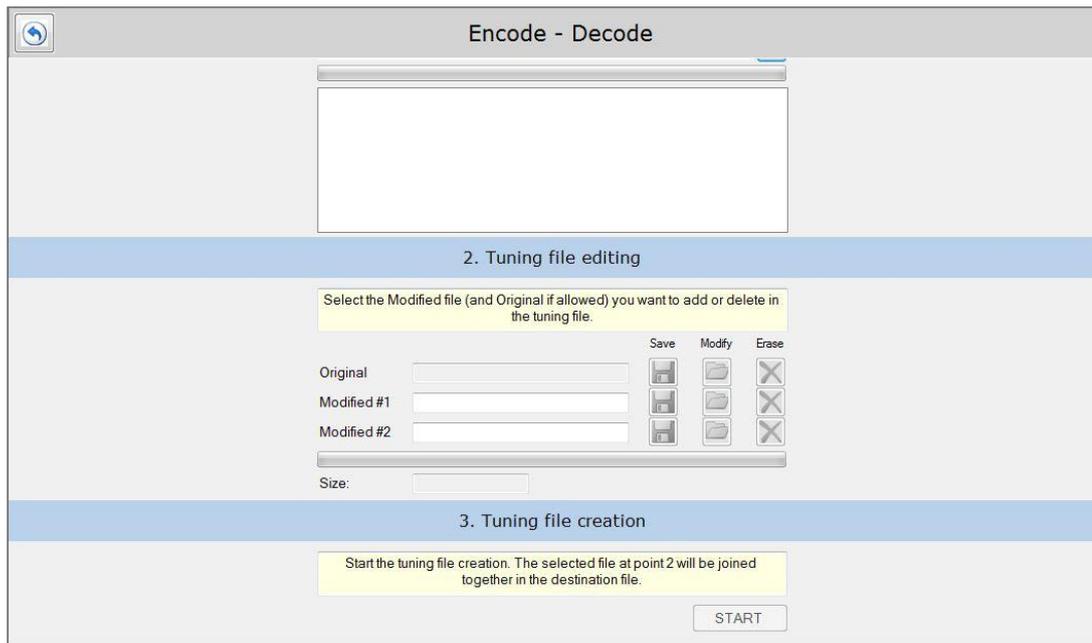
# Decoding your User's LOG file

1. Click on Decode User LOG.
2. Click on Browse to select the LOG file received from your customer.
3. In Session box, chose the session that gave your customer issues.
4. In the Selected section box, you can see all the operations done by the device.

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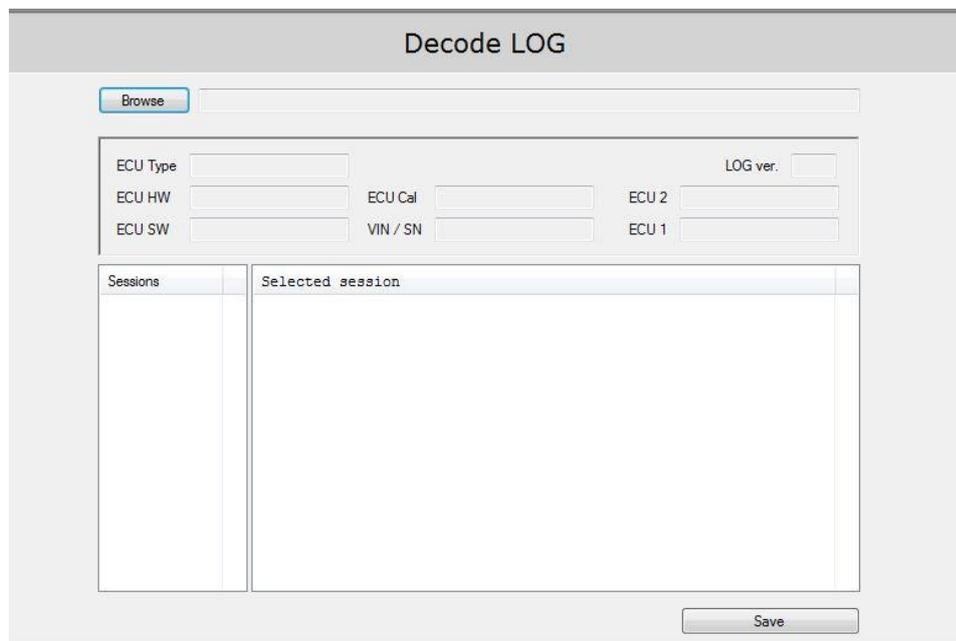
# Downloading your LOG file

1. Click on Download Decoder LOG.
2. Click on Start to save the LOG file of your Decoder device on your computer.

Version 1.01
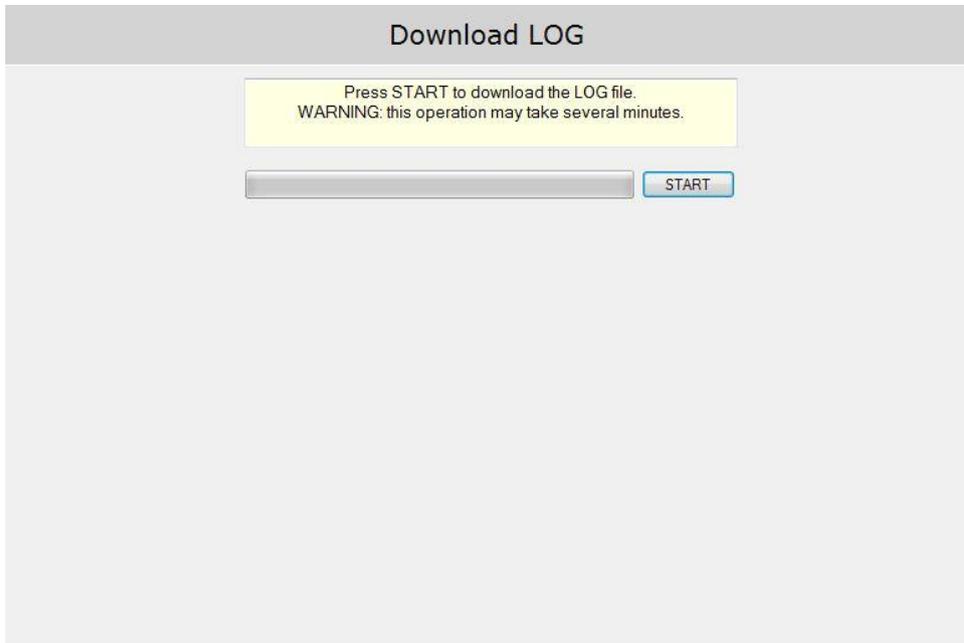
# Displaying vehicles supported

Click on Cars to display the list of all cars supported by Powergate3+.

You can filter the information as in Excel.

We remind you that an active Internet connection is needed to display the list.



You can sort the content of the table by clicking on the column-title box.

Version 1.01