

# ACTIVE SOUND



## DESCRIPTION

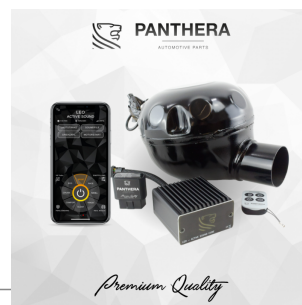
LEO ACTIVE SOUND - THE SOUND CUBE FOR REALISTIC ENGINE SOUND  
Blubbering, popping, roaring: Looking for rich sound for your car? The PANTHERA LEO ACTIVE SOUND is the solution.

Can be installed in all Diesel/Gasoline/Hybrid vehicles (starting from 2006>), it delivers the ultimate exhaust sound experience!

The sound generator generates realistic vehicle noises based on electronic engine data. The sound files were recorded from real sports and super sports cars in superb quality on a high-end acoustic test bench. Thanks to our specially developed smartphone app, you can select different sound files and set and adjust them individually according to your wishes.

In addition, the scope of delivery a wireless remote control is included, with which you can easily and quickly turn off the system, as well as directly select three profiles

ECO, SPORT and RACE



## Features



- Realistic sound files
- Various sound profiles pre-installed
- Misfires (customizable)
- Realistic mode / accelerator pedal or load-dependent volume
- Customer settings: volume, pops, start sound, authentic misfire option,

engine RPM setting, realistic mode

- Configurable & updatable via smartphone app
- No soldering required on the CAN bus in the vehicle
- No changes to the original vehicle electronics
- Compatible with all Diesel/Gasoline/Hybrid/Electric vehicles starting from 2006>
- Including radio remote control

### ***Example video***

## **EXCLUSIVE FEATURES**

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### **SOUNDS**

It is possible to select the car sound via the APP.

**4 cylinder boxer** - sounds like a Toyota GT86

**R6 Turbo** - sounds like a BMW M4

**V6 Turbo** - sounds like a Nissan GT-R 35

**V8 Turbo** - sounds like a Mercedes AMG C63

**V8 SUV** - sounds like a Audi RSQ7 / AUDI RSQ8

**V8 Muscle** - sounds like a Ford Shelby GT500

**V10 SUV** - sounds like Maserati Quattroporte

**V12 supercar** - sounds like an Aston Martin Vanquish

**E Turbo** (coming soon): sounds like a Porsche Tycan Electric

All sounds were recorded from real cars on a high-end acoustic test bench

## **ACTIVE SOUND SETTING**

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The Leo Active Sound System is delivered preconfigured with standard settings and is therefore ready to use.

It is possible to adjust individual sound experience via the Panthera Connect app. Here you can customize 8 different sound profiles and adjust the the sound files.

## PANTHERA LEO ACTIVE SOUND SETTINGS

The menu item „SETTINGS“ takes you directly to this menu

**Leo Active Sound Settings**  
General settings for the Active Sound System, please consult a technician before use.

**Teach radio remote control**  
Tap and press a button on the radio remote control to connect it to the Active Sound System. Just to learn a new remote control, a remote control has already been taught in as delivered.

**Display input speed**  
The speed transmitted from the engine to the Active Sound System in real time.

**Simulated speed slider**  
In order to accelerate in demo mode, simply slide the slider slowly to the right.

**Calibrate accelerator pedal settings**  
The „MISFIRE“ and „REAL MODE“ for a more realistic exhaust sound requires the accelerator pedal position and enables quieter driving at a lower position and louder roar the further the accelerator pedal is pressed.  
To calibrate, press the button and press the accelerator fully once as indicated on the screen

**Output speed display**  
The speed adjusted by our sound module and adjustable via the Panthera Connect app in real time.

**Speed simulation**  
Active sound demonstration, for situations in which the vehicle cannot / may not be started, such as tuning meetings, in exhibition halls, etc.

## PANTHERA LEO ACTIVE SOUND SETTINGS

**Minimum speed in E mode**  
Value for idle speed of the simulated Active Sound noise in hybrid vehicles in electrical operation. It makes sense. For example 500 to 1000 revolutions per minute.

**Save hybrid settings**  
Save active sound settings for hybrid vehicles.

**Reset settings**  
Caution! All settings of the Panthera Leo Active Sound Generator are reset to factory settings.

**Hybrid vehicle mode**  
In hybrid vehicles which switch back and forth between the electric motor and the combustion engine, this mode must be activated so that the active sound can be heard permanently.

**Maximum speed Speed in E mode**  
Value for maximum speed of the simulated active sound noise in hybrid vehicles in electrical operation. It makes sense. For example 3000 to 5000 revolutions per minute.

**Electric vehicle mode**  
This mode must be activated for Active Sound Simulation for electric vehicles. For hybrid vehicles, please select the hybrid mode.

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#### Features

- Easier assembly
- No soldering required on the CAN bus in the vehicle
- Configurable & updatable via smartphone app
- No warranty issues
- Can be retrofitted without changing the vehicle

INSTALL VIDEOS

#### APP CONFIGURATION

The LEO Active sound generator queries all data relevant to sound generation from the vehicle's engine control unit in real time via an OBD-II adapter. The adapter transmits this data wirelessly via Bluetooth to our control unit with an integrated audio amplifier called the Active Sound Cube. In its latest version 5.0, the Cube has a complex audio engine which is able to reproduce real recorded engine / exhaust noise.

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APP VIDEOS



