



SoundRacer®

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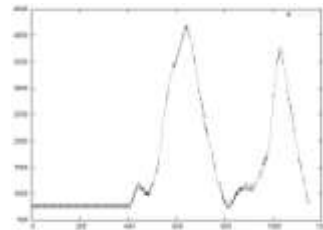
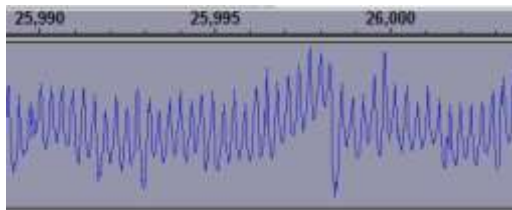
SoundRacer Technology

In the SoundRacer chip, a signal processing software identifies the engine speed and produce an exciting Super Sports Car engine sound that follows the driving situation in a truly realistic way.



Basically, there is tree different functions in the chip.

Part 1. The chip will pick up electrical signals on the cars 12V power supply to the device. The software separates signals that follows the engine rpm, from other types of noise caused by fans, wipers etc. and present a reliable rpm information to the next part of the software.



The pictures shows signals from a SAAB 9-5 and RPM detection from a Smart.

Part 2. From the rpm information, several different driving parameters are calculated, such as idling, acceleration, cruising, engine breaking, up and downshifting, gear and throttle settings.

Part 3. The information from part 1 and 2 is the base for creating a very realistic, powerful Super Sports Car engine sound that follows the engine rpm and the different phases of driving.

The sound signals are then transferred by the FM Transmitter to the car stereo system.

A 3,5 mm stereo line input can be used with the enclosed cable to connect to a MP3 player for music listening on the car stereo as an alternative to the engine sound.



SoundRacer is a Swedish invention.
Patent pending. Registered Trademark

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