

ESS-ONE

ESS-ONE Engine Sound Simulator

Quick Guide for vehicle V1.0

Warning

- Please read the instructions about the amplifier carefully, as incorrect settings may cause damage to the speaker.
- As a heating device, the amplifier should be well ventilated.
- The output power of the amplifier goes with voltages. The volume can be adjusted to control the power if necessary, when amplifier are fully loaded. The speaker be damaged by high volume under high voltage. Please refer to detailed instructions on official website.
- Maintaining max throttle for a long time is not recommended, as damage may happen under high power output.

Speaker Description

- The 2S lithium battery is recommended. Higher voltage is not advisable.
- To avoid the damage to the speaker, volume should be adjusted before sound distortion with 3S lithium battery or above (Advisably under volume level 4).
- ESS-ONE supports up to 6S lithium battery and 30W power output. So adjust the volume to match the power output.

Statement

The speakers are consumables. Users need to strictly control the volume so that the output power can match the speaker. Speaker damage caused by output power is not categorized as manufacturing defect.

Product Specifications

- Supply voltage range : 5Volts-26Volts
- Speaker Impedance : 4Ohms
- Output power under 4 Ohms : 20W/3S(12V)
- Number of audio channels : ONE channel 30W max
- Output is Short-Circuit, Overload and Thermally Protected

Warning : Reverse power results in device damage

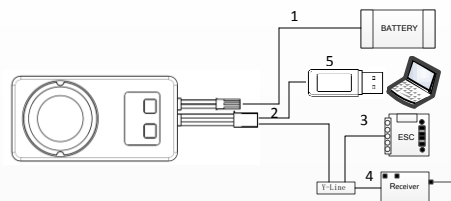
Packing List

- | | |
|------------------------------|-----------------------------|
| • ESS-ONE X 1 | • Quick Guide X 1 |
| • T type AMP power cable X 1 | • Double-sided adhesive X 3 |
| • S- Link X 1 | • Y Line X 1 |

To get the updated functional description and application instructions please refer to the official website and RC PLUS
Sense Innovations owns the right of final interpretation of this quick guide and the relevant product specification

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Connect ESS-ONE

R/C Plus**SENSE**
Innovations

- 1, AMP Power input
- 2, S-Link/TH signal
- 3, Connect to ESC
- 4, Connect to RX TH
- 5, Connect S-Link to PC

Calibrate ESS-ONE

- Enter Calibration mode : Press & hold the "+" 1S , after "DI---" sound , release the button, ESS-ONE enters the Setup mode" ;
- Neutral Calibration : make sure the TH at Neutral, Click the "+" , after "DI" sound, the neutral calibration finishes.
- Forward TH calibration : Pull the TH trigger to max throttle position , click the "+" , after " DI " sound, forward TH calibration finishes.
- Backward TH calibration : Push the TH stick to max brake position, click the "+" , after "DI" sound, the brake TH calibration finishes.
- After the steps above, "DI---", calibration is completed. Calibration mode exits automatically.
- With only "DI, DI, DI" sound, the calibration fails. It returns to the neutral calibration to re-calibration.
- In process, you can quit the calibration mode by pressing "-" , with "DI -----" .

Volume adjustment

Volume can be setup by clicking +/- , Increase : "+" , Decrease : "-" .

Start ESS-ONE

With power-on, the ESS-ONE is still in off state. The engine starts upon the pull of the throttle. Then ESS-ONE generates engine sound according to the throttle signal. It automatically Turns off when the throttle is in neutral position for 5 seconds(default setting). Detailed information about ECO, overloading and braking sound is accessible from functional specification on official website and RC PLUS.

Other functions

The additional features of ESS-ONE include shifting, overloading, braking, turbo sound effects and battery low voltage warning, etc. More specific information about function and usage is accessible from the official website, with functions mentioned above applicable through RC-PLUS.

About RC PLUS

RC PLUS is a software which integrates configuration, audio stores, video services, which extends the ESS-ONE's powerful function. You can visit www.sensehobby.com to download the RC PLUS program and get more information.