

ESS-PRO

ESS-PRO Engine Sound Simulator

Quick Guide for vehicle V1.0

Warning

- Please read the instructions about the amplifier and speaker carefully, as incorrect settings may cause damage to the speaker.
- As a heating device, the amplifier should be well heat dissipated.
- 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 might be damaged by high volume under high voltage. Please refer to detailed instructions on official website.
- Maintaining max throttle for a long time is forbidden, as damage may happen under high power output.

Speaker Description

- The 2S lithium battery is recommended when using the S1510 speaker. 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-PRO supports up to 6S lithium battery and 30W power output per channel. So make sure your speakers are compatible and 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 product quality problem.

Product Specifications

- Supply voltage range : 5Volts-26Volts
- Speaker Impedance : 4-8Ohms - DO NOT use speaker lower than 8 Ohms on voltages greater than 12V
- Output power under 4 Ohms : 20W/3S(LiPO) per channel
- Output power under 8 Ohms : 10W/12V, 23W/18V, 30W/22Volts supply
- Number of audio channels : TWO channels 30W X 2
- Output is Short-Circuit, Overload and Thermally Protected

Warning : Reverse power results in device damage

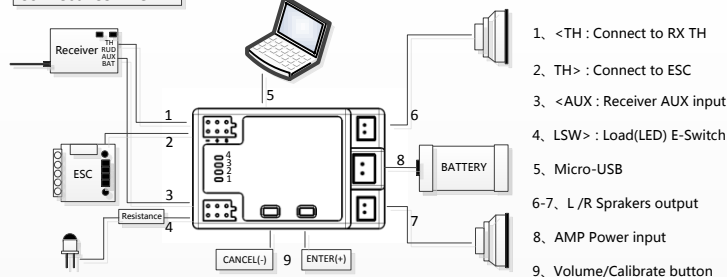
Packing List

- | | |
|------------------------------|-----------------------------|
| • ESS-PRO X 1 | • Quick Guide X 1 |
| • S1510 Speaker X 1 | • Double-sided adhesive X 3 |
| • Throttle signal cable X 1 | • Micro-USB Cable X 1 |
| • T type AMP power cable 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-PRO



Calibrate ESS-PRO

- Enter Calibration mode : Press & hold the ENTER(+) 1S, LED1-4 on, after "DI---" sound, release the button, ESS-PRO enters the "Setup mode" ;
- Neutral Calibration : LED-1 on, make sure the TH at Neutral, Click the ENTER(+), after "DI" sound, the neutral calibration finishes.
- Forward TH calibration : LED1-2 on, Pull the TH stick to max forward position, click the ENTER(+), after " DI " sound, forward TH calibration finishes.
- Backward TH calibration : LED1-3 on, Push the TH stick to max backward position, click the ENTER(+), after " DI " sound, the backward TH calibration finishes.
- After the steps above, LED1-4 flash in order, after "DI---", calibration is completed. Calibration mode exit automatically.
- With only LED1 on and "Di, DI, DI" sound, the calibration fails. It returns to the neutral calibration to re-calibration.
- You can quit the calibration mode by pressing CANCEL (-), with "DI -----" and three Red flashes.

Volume adjustment

Volume can be setup by clicking ENTER(+)/CANCEL(-) , Increase : ENTER(+), Decrease : CANCEL(-).

Start ESS-PRO

With power-on, the ESS-PRO is still in off state. The engine starts upon the push of the throttle. Then ESS-PRO generates engine sound according to the throttle signal. It automatically flameouts 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-PRO include overloading, braking, turbo, alarm whistle, special sound effects and battery low voltage warning, etc. The AUX channel can be configured to trigger various sound effects, LED control and electronic switch output.
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-PRO's powerful function. Connecting ESS-PRO to PC(windows), you will see a disk driver named "SENSE" will. It is easily downloadable and installable by double clicking the icon "RC Plus" in this disk. Also you can visit www.sensehobby.com to get more information.