

Product Specifications

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

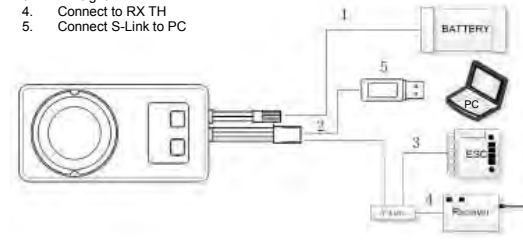
Main Functions

- Capable of simulating the sound of engine starting, variable throttle speeds, shifting, shutting-down, braking, turbo, and rev. limiter (users may need to purchase some sounds before usage)
- Editable engine sounds
- ESS-ONE firmware upgrading
- Battery type selection and low voltage alarm
- 9-grade adjustment of volume

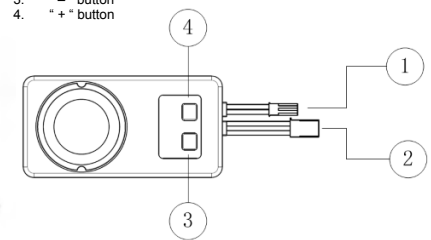
Packing List

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

1. AMP Power Input
2. S-Link
3. TH signal
4. Connect to RX TH
5. Connect S-Link to PC



1. Power input to amplifier
2. S-Link data line/TH input
3. "-" button
4. "+" button



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 trigger 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 for re-calibration.
- In process, you can quit the calibration mode by pressing "-", with "DI -----".

Start ESS-ONE

- With power-on, the ESS-ONE is still in an 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).
- The additional features of ESS-ONE include rev. limiter, braking, turbo sound effects, shifting, and battery low voltage warning, etc. can be adjusted with RC-PLUS software available at TeamAssociated.com.

Warning

- Please read the instructions about the amplifier carefully, as incorrect settings may cause damage to the speaker.
- The amplifier should be well ventilated.
- The output power of the amplifier varies with voltage. The volume can be adjusted to control the power if necessary, when amplifier is fully loaded. The speaker can be damaged by high volume and high voltage. Please refer to detailed instructions on RC10.com.
- Maintaining max throttle for a long time is not recommended, as damage may happen under high power output.
- Reverse polarity can damage the speaker system.
- ESS-One is not waterproof nor water resistant, avoid contact with water.

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 or damage can occur.

[Warranty Information]

Your ESS-One Engine Sound System is warranted to the original purchaser for 30 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Product that has been mishandled, abused, used incorrectly, used for an application other than intended, water damaged, or damaged by the user are not covered under warranty. Associated Electrics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.



About R/C Plus

RC PLUS is a software which integrates configuration and audio files extending the ESS-ONE's powerful functionality. You can download R/C Plus from www.TeamAssociated.com/news/latest_products/1482-NEW_LED_Light_Kits_and_Sound_System