

Audio-Isolator



Technical data:

Dimension: 40 x 20 x 20mm

Weight: 24 Gram

Description

The "Audio-Isolator" is used for **isolating** a RC soundunit and a external audio amplifier electrically. The Isolator is simply plugged between the two devices.

It fully separates the receiver supply from the drive supply voltage/battery which eliminates any potential electric "ground loops", which may cause distortions.

The Audio-Isolator is highly recommended if the main/drive battery is used for powering the external audio amplifier. This is even more important if a speed controller with a "opto coupler" input is already used.

The combination of a opto ESC and the Audio-Isolator provides a electrically **fully separated** drive and receiver system.

Another advantage of the Audio-Isolator is the usage of the Benedini 1x40W amplifier in models, having **more than a 6S** main battery. The main battery must be build from two separate ones, connected in series. (f.e. 12S build by 2x6S in series). One of these can be used for powering the amplifier. The additional load on this battery can be neglected in comparison to the motor current.

If a **separate** battery is used for powering the external audio amplifier, the Audio-Isolator is **not** necessary.

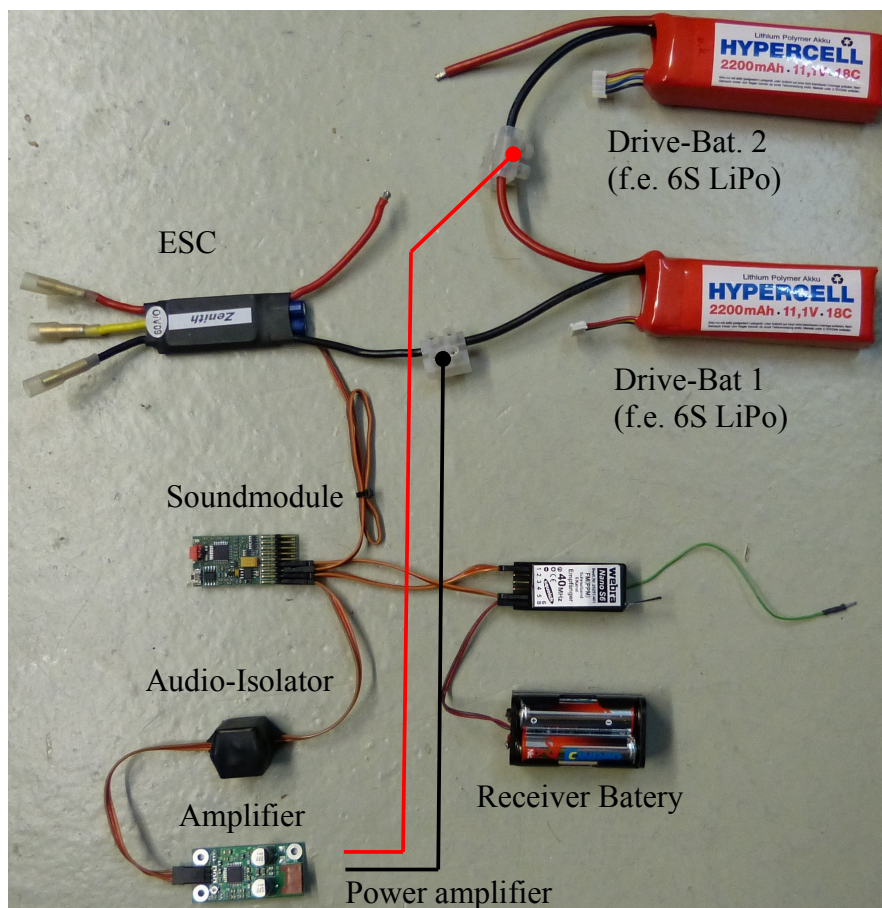
Example:

It is shown how to use the **TBS Mini** soundunit in combination with the **Audio-Isolator** and the external **1x40W amplifier**, in a 12S powered plane.

The 12S main battery is built by connecting two 6S in series.

The amplifier is powered by Drive-Battery 1.

Due the **Audio-Isolator**, there is **NO** electrical connection between the **receiver- and drive supply**.



Technical changes reserved

Not suitable for children



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