

Please read the instructions carefully before using this sound module, especially the description of italics! Otherwise, the speaker and module may be damaged!

ASSAN AS30 Model Airplane Sound Module

The AS30 model airplane sound module is specially developed for electric scale model airplanes, which can make it emit realistic engine sound effects. This makes the player feel as if they are driving a real airplane and makes the flight more fun.

Characteristics:



- The two sounds of pre-installed piston propeller and turbojet engine can be switched.
- The volume can be controlled by the throttle to make the sound effect more realistic.
- The output power is large and the sound effect is good.
- Small size and light weight make it easy to be installed on various model airplanes.
- The sound can be easily replaced
- With output short-circuit protection and overheating protection functions.
- With power input reverse protection function.

Parameters:

Voltage: 8~26V (2~6S Li)
Maximum output power: 30 watts
Module size: 60*30*7mm
Module weight: 22 g
Speaker size: $\phi 44*16$ mm
Speaker weight: 59g

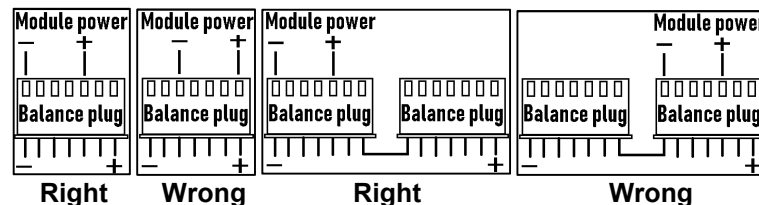
Connection:

Connect the volume remote control wire (RC Vol) of the AS30 module with a Y-wire and connect it to the throttle channel of the receiver to realize the throttle-control-volume function. You can also plug the volume remote control wire (RC Vol) into an unused switch channel of the receiver to realize the switch-control-volume function. You can also set the switch channel and throttle channel mixing on the transmitter and realize the functions of switch-control-sound and throttle-control-volume at the same time.

The AS30 module has two speaker output sockets:  this socket is suitable for plugging all kinds of speakers and the speakers in the module kit should also be plugged into this socket;  this socket has a series capacitor suitable for plugging all kinds of tweeter.

The power input wire (Power In) of the AS30 module is connected to the power supply on the model airplane. ***Noted that the highest voltage cannot exceed 16.8V (4S Li) when using the speakers in the module kit.***

Note that the negative wire (black wire) of the AS30 module power input must be connected to the negative pole of the model airplane power supply! If you take power from the balance plug of the model airplane battery to supply power to the AS30 module, every time you insert the module's power input wire into the balance plug, you must carefully align the negative wire of the module's power supply with the negative end of the balance plug and insert it. If the model airplane power supply battery is composed of multiple sets of batteries in series, the AS30 module power input wire can only be inserted into the balance plug of the battery that is connected to the negative pole of the model airplane power supply and the negative line of the module power input must be aligned with the negative end of the balance plug. Don't connect the balance plug of other batteries except the negative battery of the model airplane power supply!



Sound Selection:

The two sounds of SOUND1 and SOUND2 can be selected through the jumper on the AS30 module. The pre-installed sounds are:

SOUND1: The sound of a piston engine propeller airplane.

SOUND2: The sound of turbojet engine airplane.

Sound Replacement:

1. Disconnect the power supply of the AS30 module.
2. Connect the AS30 module to the computer with a Micro USB cable.
3. The computer recognizes a disk with a capacity of approximately 4M bytes.
4. Delete the original sound files in the SOUND1 or SOUND2 directory in the disk.
5. Copy the prepared sound file to the directory of the deleted file.
6. Remove the Micro USB cable.

Note that the SOUND1 and SOUND2 directories cannot be deleted or renamed. The sound file supports WAV and MP3 formats. The total capacity of the two sound files cannot exceed 4M bytes. So the sound files can be edited into mono mode to save storage space.

Speaker Installation:

Remove the protective paper from the speaker and stick the speaker to a flat position in the model airplane. Do not open a hole on the model airplane to install the speaker!

The speaker may be hot when the AS30 module is working, please consider the ventilation and heat dissipation of speaker during installation.

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