

# V3 Setup Instructions

## **Will I need anything extra for my sound unit?**

Yes, you will. Although the MrRCSoud module has been integrated as much as possible, there may be a few items still needed to complete the install into an airplane. You may need a servo Y cable, servo extension wires, and a power Y cable or separate power source.

## **How and where do I place the module?**

Placement will be different for each plane, and is up to you. Keep the unit as close to the CG point as possible to avoid having to add more weight to re-balance the plane. The module may be mounted down with the provided velcro strips, or by other means you deem necessary. Although the unit is designed to be portable, it is important to make sure it is secured in the plane. It may be mounted on the bottom, or on the speaker end. Use tabs of velcro on the speaker ears if mounted by the speaker.

## **How does the sound get out?**

Foam is a good absorber of sound. If you are mounting in a foam plane, or most any plane for that matter, sound “cheater holes” will be necessary. The speaker should be mounted so it has direct access to the outside of the plane. You may either drill small, hidden holes to allow the sound to escape, or cut a hole and cover it with a lightweight fabric, to allow the sound to escape.

## **How does my unit hook up to my RX?**

There are 2 methods of connecting the sound unit to your RX. You may use a Y servo cable to connect the sound unit, and ESC to the throttle channel. This method is not recommended as the sync of the sound and the motor may be off. End point adjustments and trim can be used to eliminate some of this. The second, preferred method, is to connect the throttle to a separate channel on the RX, and then mix it via computer radio with the throttle channel. This will allow for much more precise end point and trim adjustments, so start up and shut down will sync better with throttle stick movements.

## **How much power does the sound module need, and how do I connect it?**

The module is designed to run on a 3S lipo max. Do not attempt to connect a 4S or larger, as it will damage the module. You may either draw the power from your main battery pack via a Y cable and connectors of your choice, or a dedicated battery pack.

## **How do I choose engine sounds?**

There are 4 engine sounds on the V3. The sounds can be selected by a small dip switch on the engine card. You must remove all power to the module before selecting a new sound, or it will not change properly. You may use your fingers, or a small screw driver to move the dip switches into the desired position.

### **The sound is out of sync, what do I do?**

As mentioned previously, this may happen using a Y cable between the ESC, sound unit, and throttle channel. Adjustment of the throttle trim, and end points may eliminate some of this. The recommended method is to mix the sound unit on a separate channel with the throttle. This will give the best ability to adjust the sync.

### **What is this fabric stuff for?**

A piece of vinyl like fabric has been provided to cover the sound “cheater holes” if you wish. The fabric may be painted to a desired color. If wrinkles appear in the fabric after it has been mounted and glued, they may be removed with heat from a hair drier. Carefully heat the fabric, and it will stretch to remove the wrinkles.

### **I am not getting any sound!**

Check connection to the RX, and power supply. Move the throttle up and down slowly several times. If you still do not get sound, unplug the power, and plug it back in after a few seconds. If possible try another battery pack and or RX. If you still do not get any sound, please contact me.