



Welcome to the fifth quarterly newsletter from **Model Solutions of Canada Ltd.** We hope to keep all our previous and potentially new customers up to date with developments in our company.

New SFX5.3 Features

Our current SFX5.3 sound modules now have an optional “single sound” feature. Once activated in the SFXPC2 Control Panel, the sound module will stop playing a sound when a second one is switched on, then resume playing the first sound when the second sound is switched off. When in this mode the sample rate, and hence the upper frequency response, is almost doubled to achieve much better sound quality. Also the sounds do not mask each other and can be heard more clearly. If you want this, modules can be ordered with this option so that the sound modules can be pre-loaded with sounds at the correct sample rate. The original “dual sound” mode is still available, and its sample rate is now 30% higher than before.

We are now developing a feature to better synchronize an aircraft motor start-up and shutdown sounds with the motor. On some models, especially aircraft, the electric motor does not start right away as the throttle stick is moved forward, so we do not want the engine start-up sound to play right away. An adjustable “deadband” for both engine start-up and shutdown sounds will allow the throttle step at which the sound starts-up and shuts down to be set, instead of defaulting to 1 and 0. This will appear in the “Engine Sound Builder” dialog.

The SFX5.3 in a Full Sized WWI Bi-Plane!!

The Great War Flying Museum in Brampton, Ontario, Canada are running some trials of our SFX5.3 sound module configured in a non-R/C mode in a full sized replica of a WWI Sopwith 1½ Strutter airplane. Whilst their replica engine provides all the engine sound, our sound module, hooked up to a powerful car stereo amplifier and a large speaker, provides two different machine gun sounds, complete with ultra-bright LEDs to provide the muzzle flashes, of course. This is the first and only installation of its kind and, if successful, could lead to many more such installations.

Don't forget the Volume Control!!

All our sound modules have on-board volume controls. Our SFX5.3 modules are delivered with the volume control set at about halfway, which is optimum for a 12Volt supply. If you are powering the module on 24Volts you can increase the volume control to its maximum position to take advantage of its higher power output. In this case you will need speakers capable of handling 40Watts. Conversely, setting the volume control to the 3/4 position will allow you to use a 20Watt speaker on 24Volts.

Opto-Isolated ESCs

Our current SFX5.3 module features an opto-isolated ESC output to drive conventional ESCs directly without the need for a “Y servo extension lead”. However, this does mean that there is no receiver power fed out on the ESC output centre pin. This will not work with an ESC that also has an opto-isolated input since you cannot drive one opto-isolator from another. In this case a “Y servo lead” is required to connect both the sound module's throttle input and your ESC directly to the receiver throttle channel output. You can obtain this from your local hobby store.



Newsletter - Issue No. 5, March 2009

Additional Sound Clips

We have to remind our customers that sound clips from our extensive library are not for sale separately from a sound module. If you want additional sounds from our library you must purchase another sound module from us.

Videos of Customer's Models

We have started a Customer's Gallery web page showing videos of our customer's models featuring our sound modules. If you have any good quality video of your models with our sound modules operating, please contact us at info@modelsolutions.ca. Our first one was shot in High Definition and is of a large scale sport Gee Bee airplane.

Customer Testimonials

We have a customer testimonials web page and have several testimonials sent to us by pleased customers of our SFX4 and SFX5 series sound modules. We welcome testimonials from any customer that has purchased our modules who are pleased with either the product, or our service. Thank you.

U.K. Dealer

BRC Hobbies, one of the U.K.'s leading electric flight specialists, are now our U.K. retail agent for our SFX5.3 series sound modules. U.K. customers can now purchase them at www.brchobbies.co.uk. They can be contacted via phone : 0191 4887879 or email brchobbies@yahoo.co.uk. If you purchase from BRC Hobbies, please contact them for after sales support in the first instance. We will be pleased to help you if you cannot get your questions answered through them.

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