



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

We're Innovating Again!!

Two hallmarks of our company are “Innovation” and “Creativity” and we’ve done it again!

We were the first R/C sound module manufacturer to offer built-in USB connectivity for downloading sounds and setting configurable options. While other R/C sound module makers, including the big boys like Robbe and Graupner, are still playing catch-up, we are again raising the bar with performance and features not to be found anywhere else with our new **SFX6 Sound Module**.

The following **New World Firsts** in this ultra high performance sound module are :

1. **Full CD Sound Quality** - plays two sounds simultaneously at 16 bit, 44100 samples/second. Plays four sounds simultaneously at 16 bit/22050 samples/second. The sample rate for individual sounds can be configured to optimize sound quality vs. FLASH storage space.
2. **16MBytes of FLASH Memory** (competitors have only 4MBytes) allows the user to take full advantage of the 16 bit/ 44100 samples/second sound quality. Total sound clip duration at this quality is 180 seconds, more at lower sample rates.
3. **On The Fly Frequency Multiplication** for proportional engine speed. Engine “Steps” are no longer required (but are also supported for users wanting specific engine sounds to kick in at specific throttle settings).
4. **GPS Derived Doppler Shift Enhancement** – a Serial input accepting NMEA (National Marine Electronics Association) GPS messages. Using an add-on GPS module, the sound module will create an enhanced Doppler frequency shift based on the model's speed and direction relative to its starting point (in a later release).

Additional creative features are :

1. **Two independent throttle controlled proportional engine sounds**
- Great for twin engined model planes, boats and tanks.
2. **Advanced ESC Profiling** feature allows propeller rotation to be accurately synchronized to the engine sound for start-up and shut-down.
3. **USB Bootloader** to allow field upgradeable firmware updates.
4. **40Watt Power Amplifier** – the same well proven amp. that’s in our previous SFX5.3 module. This is the highest power available in any R/C sound module with an on-board amplifier.

The **SFX6’s** are now being manufactured and we are expecting delivery of our first batch on or about July 22, 2009. Full technical details of the SFX6 can be found in the manuals which are on-line at [:http://www.modelsolutions.ca/manuals_datasheets.htm](http://www.modelsolutions.ca/manuals_datasheets.htm)



Pre-Ordering SFX6 Sound Modules

We expect our new SFX6 Sound Modules to be very popular and fly off the shelves. If you want to be sure to get one early, we are now accepting orders for them. Please go to our web site at :

http://www.modelsolutions.ca/catalog_sound_systems.htm

New Professional Grade Audio Recording Equipment

In order to fully do justice to our high performance SFX6 sound modules we have purchased professional grade audio recording equipment and will be visiting as many shows and private viewings of aircraft and boats as possible to get original, very high quality, sound recordings. We will also accept any donations of high quality sound recordings to add to our sound clip library. Airplane, boat, tank and locomotive sounds are all welcome.

Warranty

Our products are warranted for a period of 12 months from the date of original purchase. All our modules are 100% tested before they leave our premises and are known to be fully working before we ship them to customers. The warranty covers **manufacturing defects ONLY** and does not cover damage caused by user wiring errors, incorrect loudspeaker impedance or power handling capacity, getting the module wet or other misuse.

SFX5.3 Module Discontinued

Our previous SFX5.3 modules have been discontinued due to the imminent arrival of our new SFX6 modules.

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. Many thanks to Todd Sheridan of Utah, U.S.A. for that contribution.

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.

Opting Out of this Newsletter

If you do not wish to receive any future newsletters from us, please send an email with the subject line "Unsubscribe" to newsletter@modelsolutions.ca. Thank you.

David Harrison,
CEO and Chief Engineer,
Model Solutions of Canada Ltd.
www.modelsolutions.ca