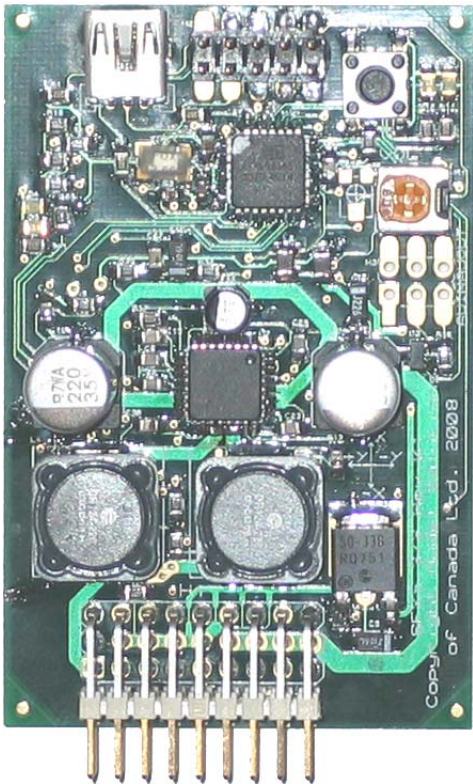


Welcome to the second quarterly newsletter from Model Solutions of Canada Ltd. We hope to keep our valued customers and dealers up to-date on developments in our products and our company.

SFX5 Series Sound Modules

We know many of you are waiting for our next generation sound modules, designated SFX5. We are now testing and validating pre-production prototypes (pictured below). We are expecting production availability of these in late August, 2008.

In the U.K., **ACTion R/C Electronics** has been appointed our exclusive U.K. retail agent for these new modules. All U.K. customers for SFX5 modules, please contact ACTion at www.action-electronics.co.uk.



SFX5 modules can play two sounds simultaneously from one unit, have a master/slave architecture and are backward compatible with JJC slave units. Every master and slave have both audio out and audio in connections. This enables “daisy chaining” – connecting one slave to another slave so, theoretically, a very large number of sounds could be played simultaneously. Master and slave modules have a genuine audio mixer on-board to allow this.

Initially, only Master units will be available. Slave units are expected to be available early 2009.

To start with, there will be 2 models in this series. The **SFX5.2, at CAD\$134.95** will have four fixed sounds + engine, no USB port and no switched outputs. They can be ordered with one or two optional lamp flasher outputs at an extra **CAD\$6.00** per output.

The **SFX5.3, at CAD\$149.95** is the same as SFX5.2 but has a mini-B USB connector (the same as on your digital camera) and can be connected to a PC for you to download your own sounds to it.

SFX5.2 and **SFX5.3** come with four sounds + engine sound pre-installed. Cables essential to connecting it to your model are included. They are very small (44mm x 68mm x 14mm) – almost 1/2 size of the SFX4 units, and weigh only **26grams!!** – 1/3rd the weight of our SFX4-4 model. The pin-outs are horizontal to the board, so the total height, including connectors and wires, will be only 14mm!! This enables the module to be used in very small spaces.

Despite this small size, the maximum output power capability is almost quadrupled!! – **45Watts into 8 Ohms on a 26V supply.** If you choose to add batteries to get the supply up to this level, these units will be extremely loud!! This very high power is well suited to model aircraft applications using a 6 cell Li-Po flight pack (nominally 22.2V, max. 25.2V).

The **SFX5.2** and **SFX5.3** have built in 4 and 2 channel switch decoders. No transmitter keypad is required – you can use any proportional transmitter channel or two on-off channels. On the **SFX5.3**, you can also use two mechanical switches or voltage inputs to switch two sounds on and off. This mode is selectable using our SFXPC2.0.0 PC software. Green and red LEDs, and a pushbutton, make the throttle setup much easier and foolproof. No other calibration is needed. The throttle sound is switched on/off using the throttle control itself, no button or other control needs to be used.

Their advanced, no-compromise, dual processor design has one processor dedicated to playback and throttle control and another dedicated to channel control. This makes way for some very advanced modules based on a common hardware platform. The 4 layer gold-plated PCB has separate analogue and digital ground planes for very low noise and low EMI performance. They sound very clean!! Additionally, the throttle signal output to the ESC is opto-isolated from the receiver to minimize interference.

New High Voltage, High Power Amplifier

To meet the needs of our large and giant-scale aircraft modelling customers, we are completing development of a new high voltage (20V – 70Volts), high power (up to 100Watts) audio amplifier. It will be small and mounted on a small aluminum heatsink which will have to be mounted by the modeller on a larger heatsink, or in a fast flowing air stream. This should present no difficulty as it is intended only for use in model aircraft where there is a large prop. wash. This meets the needs of high powered airplanes using 5S – 18S Li-Po flight packs. Target price for this amplifier is only **CAD\$89.95**. We expect this to be available by October 2008.

SFX4 Sound Modules and RCMUX16 Switching modules to be discontinued

We have to clear out our existing stock of SFX4 modules to make way for our new SFX5s. Once our current SFX4 parts stock is depleted, no more SFX4 modules will be manufactured. We are now offering our SFX4-4 and SFX4-2 modules at clearance prices – **SFX4-4** at **CAD\$124** and **SFX4-2** at **CAD\$115**. Get your orders in now while we have SFX4's left!! Our RCMUX16 switching units are discontinued as of now, due to low sales volume.

On-Board Accelerometer

Due to ongoing supply difficulties we have decided not to offer an on-board accelerometer to trigger sounds on our SFX5 sound modules. However, we are starting to research the option of GPS based sound triggering or modification (see **Eagle Tree Systems** – later in this newsletter).

Our Sound Clip Library

We have had several enquiries from customers who have either purchased a sound module, or who have enquired about one, about how they can access our sound clip library. Our sound clip library is not available for public access. Our business is selling sound modules and other electronic hardware. Purchasing a sound module gives you only the use of the sound clips that come pre-installed on the module. With the SFX4-4 you get 10 sounds, with SFX4-2 you get 8 sounds and with SFX5 you get 5 sounds.

Most of our modules are USB enabled so if you wish to change the sounds on your module, you can usually find them yourself on the Internet, or from other sources, and download them yourself to your sound module. Or you can buy another sound module from us or a dealer.

New Canadian Forces Sound Clips being Added

Due to a special arrangement with the **CFJIC (Canadian Forces Joint Imagery Centre)** 'A' Squadron, we now have **exclusive** CD's of over 100 unique and original military recordings of Canadian Forces on Naval ships, and on the ground, together with several aircraft sounds. We are in the process of cataloguing and adding these to our extensive library.

New 4" 20Watt Loudspeakers

We are purchasing stock of the Visaton R10S model to replace our older 4" 20Watt speakers from Taiwan. These will be higher quality, shallower, and much lighter in weight (only 160 grams). These will be offered in 4 Ohm as well as 8 Ohm versions. Our new SFX5 sound module can develop over 40Watts output on a 26Volt supply, so two of these 4 Ohm speakers in series would be needed to handle the output power.

New High Power Loudspeaker

We are also planning to source a higher power 5" or 6" speaker for use with our new high voltage amplifier. The exact brand and model has not yet been determined.

Ditch the Glitch with our new 8 Channel Opto Isolator

We are designing an 8 channel opto-isolator for beating those RFI glitches caused by common receiver/servo/ESC power lines. An addition to our existing line of RFI suppression components, this device provides complete electrical isolation for all the servo and ESC lines from your receiver. Its amplified outputs can drive multiple servos in parallel up to 15Volts. As is usual with our products it will be offered at a very competitive price of approximately **CAD\$70**. Expected availability – late 2008.

New Eagle Tree Systems Data Loggers

We are now offering the excellent line of Data Loggers for both model boats and model aircraft from **Eagle Tree Systems** of Washington. These superbly engineered devices can measure and log to non-volatile memory, your battery current, voltage, watts, AH, temperature, rpm and air or water speed. They use a state-of-the-art Hall Effect (magnetic field) current sensor which avoids the power loss and heat associated with the resistive current sensor used by competing units. They can measure up to 100 Amps of current and 4.5V – 70Volts. There is even a GPS unit available so you can have a very effective "Flight Data Recorder" for your model aircraft. The data loggers can interface to your PC through a USB port, or a slim LCD panel can be used for "Live" data display on the bench or in the field. Data Analysis and graphing software complement the units on the PC.

Going Green

We are committed to "doing our bit" to help the environment wherever we can. To this end, all our products are now **ROHS (Reduction Of Harmful Substances)** compliant. Also, all our manuals come delivered on a mini-CD-ROM. No printed manuals are available, to save on paper and trees.

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