 **sMPX v1.0b2**

## What is sMPX ?

sMPX is a computer application that will communicate with a Multiplex PROFI mc3030 r/c transmitter to allow the user to upload and download data via the serial port.
sMPX is dual platform - Macintosh (PPC) or PC (Windows 95/98).

sMPX is NOT feature disabled (although, if you do not register, you will be annoyed occasionally!).

## Features

- Single memory import.
- Back-up set import (99 memories)
- Save memories to disc as single memory or back-up set (99 memories).
- Export saved memory(ies) to Tx.
- Export single memory from a saved back-up or imported set.
- Change name of model during export (upper AND lower case characters !!!)
- Shuffle transmitter memories around (a real pain to do from the keypad !)
- Display control assignments and values for each memory.
- Display servo assignments and values for each memory.
- User Mixers import
- Save User Mixers to disc.
- Export User Mixers to Tx.
- Display general information about Tx (operating time, user name etc).
- Copy window data to your favourite word processor for printing.
- sMPX files have some compatibility with other similar programs currently on the market.

## The Cable

First off, you will need to construct an interface cable - details are given in the accompanying file "sMPX Cable.PDF". It is NOT rocket science, anyone with a modicum of skills should be able to obtain the parts locally to build one. There are three versions shown on the drawing - two have been tried on the Mac, all have been tried on the PC. Options are there for the Mini DIN 8 connector for Mac, DB25 or DB9 for PC - choose the parts that suit your computer. If you have difficulty with this, contact the electronics guru in your club. Failing this, I have considered producing cables myself (but I find it a pain) - however, if you email me with your requirements, I can probably arrange payment through www.uksharereg.com if sufficient of you ask (it WILL be cheaper to build it yourself 'though :-)

Note that USB is not supported - if you have an iMac (or similar) USB only system, then you will need to purchase a Keyspan (or similar) USB to serial adapter.

If you have a cable for the PROFI mc 4000 software, then this will also work with sMPX.

## The Software

sMPX has currently been tested with v3.7 GB3.5 mc 3030 firmware.

sMPX is actually written on a Macintosh, but I have the ability to cross-compile to the PC, so have offered this option also. As with most Macintosh applications, you really shouldn't need to read the readme to get going - however, for those that do, here are some simple instructions...

1    Connect up the Tx to your computer using the special cable.

2    Switch on the Tx (removing the Tx module beforehand will conserve a lot of battery power if you want to play with the software).

3    Open the sMPX application.

4    Choose **Edit - Preferences** and select the serial port that you will use. sMPX will warn you if that port is in use by another application - just select another. While you are in preferences, fill in the registration details I mailed you when you purchased this software (or leave it blank - sMPX is fully functional)  - see purchase details below.

5    Click **OK** in preferences, and it will save this information for future use.

6    Choose **Tx - Check Comms** - this will test the link between your computer and the Tx (it always does this before attempting to export or import data). If it fails, check your cable/connections or serial port choice.


## Start

I would **HIGHLY** recommend at this point, that you do a full back-up of all your data before continuing!!

To do this, from the **Tx** menu, choose **Import** - in the dialog panel, select **Back-Up** and click **OK** - sMPX will import the memories down the serial link. From the **File** menu, select **Save As**  and save this back-up to your preferred filename. I would suggest that you now lock this file and make a copy to another medium (floppy/zip/MO). If you wish to back-up your User Mixers, then repeat the same procedure, only this time choosing **User Mixers** from the dialog.

In the main, sMPX is self-explanatory however, here is a short explanation of the menus...

## File Menu

**Open**          Opens a previously saved Single, Back-Up or User Mixer file.

**Open Other**      (Mac version only) - As Open, allows opening of files created on other platforms.

**Save As**        Saves Single memory, Back-Up memories or User-Mixers (you should ensure that you have either imported some data from the Tx first or opened a previously saved file, otherwise it will warn you that there is nothing to save).
sMPX saves data in three filetypes - .MOD for a single model memory, .ALL for a complete back-up or .MIX for user mixers. Mac users do not need to worry about extensions of course ! If you have more than one window open (say Mixer and Memory), then it will save the frontmost window, just activate the other window if that is the data you wish to save. If there are no windows open, then there is nothing to save of course !

If the active window contains back-up data, then a dialogue will appear allowing the user to either save a complete back-up, or one model from the back-up set.

## Edit Menu

**Cut**           Cuts the selected text (actually, it won't, it'll copy - the data is read-only)!. If text in either the Get Info, Memory, or Mixer windows is selected, then this will **copy** the selected text.

**Copy**          Copies the selected text. If text in either the Get Info, Memory, or Mixer windows is selected, then this will **copy** the selected text - useful for pasting model data into your favourite text processor for printing.

**Paste**         Pastes any Cut or Copied text.

**Preferences**     Presents the user with the Preferences dialogue. Select the preferred serial port and enter user registration data here. Data will be saved for future use.

## Tx Menu

**Get Info**       Gets general information about the Tx - Owner, date of manufacture etc.

**Import**        Presents the user with a dialog panel allowing import of either a single model memory, a complete back-up or just the user mixers.

**Export**        Presents the user with a dialog panel allowing the user to export a single model memory, a full back-up or the user mixers. If the current memory window contains a full back-up, then you can export a single memory from this back-up set by choosing a memory from the pop-up menu. Before exporting a single memory, you may wish to change the model

name by typing in a replacement in the Model Name editfield (lower and upper case are allowed here - something that you can't do from the Tx keypad !) - the name MUST be 8 characters, the field will only allow specific alpha-numeric characters (if you can't type it, you can't have it !).

**Shuffle Memories**   Firstly, this will import all the memories in your Tx, and present you with a listbox containing the model names and their repespective location (1 to 99). To move the memories around, just click and drag the selected memory to another location. When finished, just click OK, and it will then load the re-ordered memories back to the Tx. Known "bug" in the PC version (1.0b2) - when dragging a memory above or below the listbox, rather than the list increasing or decreasing incrementally, it will jump to the beginning or end - just scroll up or down a page at a time.

**Check Comms**   Checks to see if the serial link between Tx and computer is OK.

**About sMPX**   Gives general details about the program - version, registered user's name etc. This item will be under the Apple menu on the Macintosh (where it should be of course !)

## Purchase

sMPX is shareware, if you find it useful, then please register it at ..
http://www.uksharereg.com/smpx.html
It's only 20GBP (about 30$ US). Your support will allow sMPX to evolve. Registered users will of course be entitled to any future upgrades.

## Finally...

I have made every attempt to ensure that this software operates correctly, and does not damage either the data, the Tx or your computer. However, none of us are infallible, and mistakes are easily made (see disclaimer below). If you find any "bugs" in the software or documentation, or would like to see any extra features in sMPX, then please email me at ...
neil@sea-gull.demon.co.uk

I would like to take this opportunity to thank Geoff Sokoll for his input into this project - without which, it would never have been finished - thanks Geoff !!

Best regards

Neil Gillies

## Release Information

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|---|---|---|
| v1.0b1 | 31 May 2000 | First release |
| v1.0b2 | 3 Jun 2000 | Fixed bug in Win32 version where sMPX would not save data. Fixed cosmetic Win32issue with Shuffle Memories window where model listbox was not refreshed after importing memories. Set data panels on Info, Memory and Mixer windows to read-only (caused confusion with user thinking that Tx data could be edited). Fixed bug with Open Other in Mac version, where opening cross platform mixer file would cause crash. Fixed bug where control centre values > 10.9% would casue a crash on Import or Open. Fixed bug with control centre values being displayed incorrectly. Changed this readme file to Acrobat (PDF) for cross-platform compatibility. Updated the cable drawing to clarify some issues for electronically-impaired folks. |

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