



## **The ISPW Compatibility Library 1.0 for MSP**

This library provides a set of abstractions which allow a certain degree of compatibility between MSP and Miller Puckette's Max0.26/FTS for the ISPW/SIM (Ircam Signal Processing Workstation/Station d'Informatique Musicale). It contains abstractions for all of the ISPW (signal) objects whose name has changed in MSP, and some additional abstractions to replace objects found in the "lib" and "ISPW jimmies". There's even an explode object which is just a detonate that's been hacked with ResEdit.

This library is still in development, so it may be incomplete and there may still be several incompatibilities.

Special thanks to David Zicarelli for providing most of the external object versions in the collection.

Caveats :

boner~ will not work correctly for the first buffer of samples.  
declare does nothing whatsoever  
down~ is inoperative  
incr~ will not work correctly if connected to the right outlet of a fft~  
switch~ is inoperative  
up~ is inoperative



## SCM

For complete compatibility with Max0.26/FTS, you can use SCM - the SIM Compatibility Mode. This mode is enabled when the file Mode\_FTS is placed in the Max folder on the same level as the Max application and Max Audio Library.

SCM gives MSP the following “features” :

Multiple signal connections to the same inlet are NOT allowed in SCM. An error will be reported in the Max window and only one of the connections will actually work.

Signal arithmetic operators will not accept an argument or allow an int/float to be connected to their right inlet when using SCM. You must connect a sig~ to the right inlet to change the right operand (and use more of the computer’s cpu).

phasor~ does not accept an argument either. You must connect a sig~ to it as with the arithmetic objects mentioned above.

adc~ and dac~ do not accept the ‘startwindow’ message when using SCM; neither do they accept a 1 or a 0 to turn on and off the dacs.

sig~ accepts a bang, which does nothing.

The third outlet of fft~ outputs a bang with SCM instead of an incrementing index signal. Good luck trying to synchronize it with the rest of the dsp.

line~ will only generate a simple line segment when using SCM. Convenient lists of multiple destination/time pairs will not work. Using SCM, line has no third outlet, so multiple line~s cannot be easily triggered in sequence.

snapshot~ has no internal clock with SCM. You must connect a metronome to it if you want it to report values.