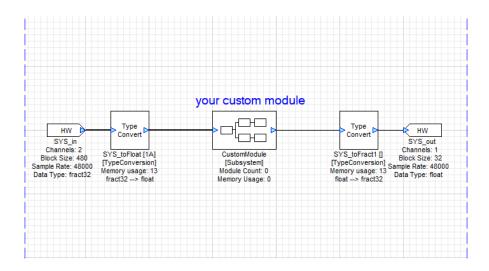


# **Interpreted Modules**



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Interpreted Modules

# **Change Log**

Version	Date	Description
1.0	22 Dec. 2022	Initial Draft or major changes

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### 1 About This Guide

The interpreted modules guide contains instructions for enabling a custom module to be imported into Standard and Pro versions of Audio Weaver and found in the 3<sup>rd</sup> party tab of the module browser.

### 2 Steps for enabling custom module as "interpreted"

#### 2.1 MATLAB

Do the following steps to edit the MATLAB files of the module

- 1. Add the line "isinterpreted = 1;" to the <modulename>\_module.m file (found in the "matlab" folder of your custom module) anywhere after the "M = awe\_module(..." assignment in the "matlab/" directory of your custom module.
- 2. Add spaces around equals signs for assignment functions (see lines 34-37 in Figure 1)

```
M=awe module('Chorus', 'Chorus Audio processing module');
       add_argument(M, 'delaySize', 'int', DELAYSIZE, 'const', 'Size of the delay buffer, in samples [128 1024]');
29 -
       if (nargin == 0)
30 -
           return;
31 -
       end
32
33 -
       M.name=NAME;
34 -
       M.preBuildFunc = @chorus_prebuild_func;
       %M.processFunc = @chorus process;
35
36 -
       M.setFunc = @chorus set;
37 -
      M.bypassFunc = @chorus_bypass;
38 - M.isInterpreted = 1;
```

Figure 1 - see line 38

3. Separate out functions contained in the <modulename>\_module.m file to individual .m files.

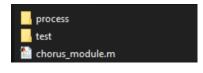


Figure 2 - Before separating functions into unique .m files (Above, Right)

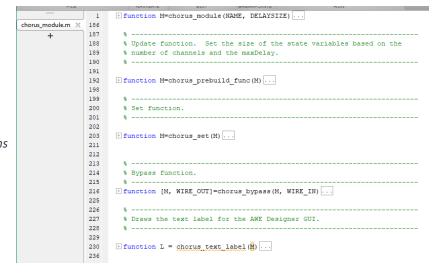




Figure 3- After separating functions into unique .m files (Above)

4. Confirm there is a corresponding .m file for any function being defined, otherwise comment out the definition. For example, this module was failing because there was no corresponding "chorus\_process.m" file. Commenting out line 35 fixed the issue.

Figure 4 - Comment out any unused function definitions

- 5. Move any module function up to the same folder as the <modulename>\_module.m
- 6. Run "make <modulename> pack(1)" to create the updated .c and .h files.

#### 2.2 Building the module

Build the module, and before launching Designer, move or copy the created .dll file into the same directory containing AWE\_Server.exe (typically located in <install directory>/Bin/win32-vc142-rel/)

### 2.3 Set Module Path in Designer

In Designer Standard, go *File-> Set Module Path*, then click *Add Folder*, select your custom module folder, and click *Select Folder*. Your module should now show in the modules tab and load into Designer.

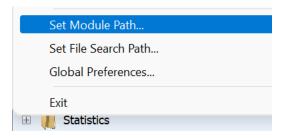
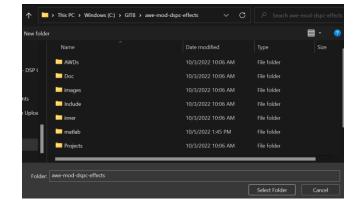


Figure 5- Add Module Path



Your module should now show in the modules tab and load into Designer.