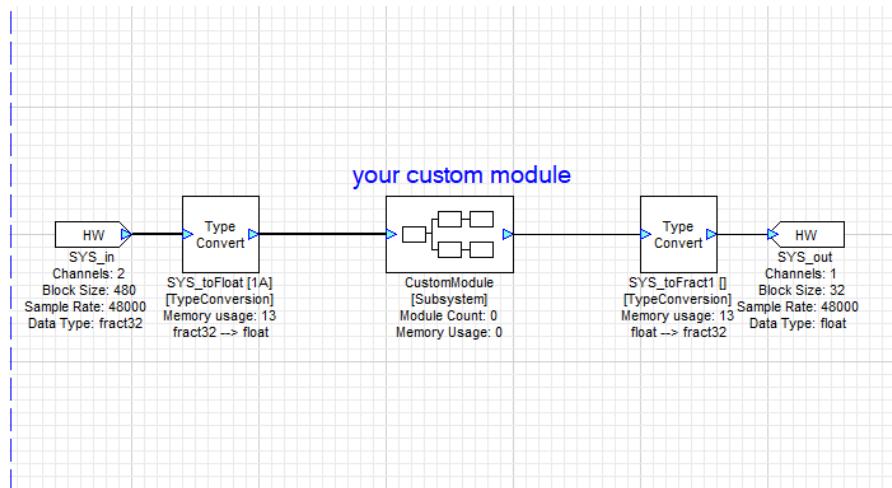




Interpreted Modules



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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 3rd party folder of the module browser by default, or a folder designated by the user with the “M.moduleBrowser.path” parameter in the .m file.

2 Steps for enabling a module as “interpreted”

2.1 MATLAB

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

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

```

27 - M=awe_module('Chorus', 'Chorus Audio processing module');
28 - 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;
35 - M.setFunc = @chorus_set;
36 - M.bypassFunc = @chorus_bypass;
37 - M.isInterpreted = 1;
38

```

Figure 1 - see line 37

3. Since interpreted modules cannot have any local functions, separate out functions contained in the `<modulename>_module.m` file to individual `.m` files.

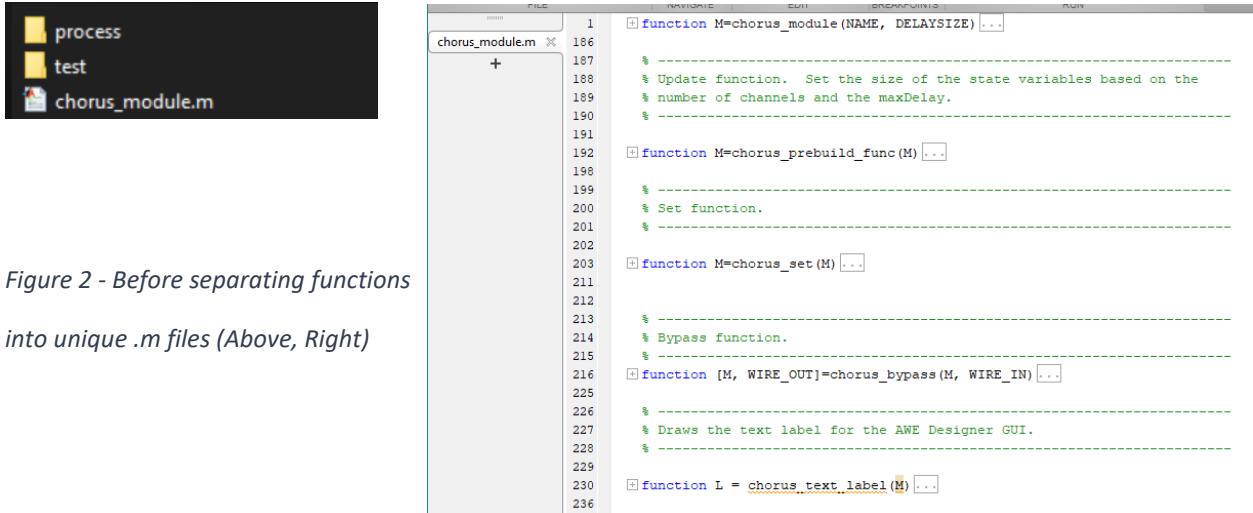


Figure 2 - Before separating functions
into unique .m files (Above, Right)

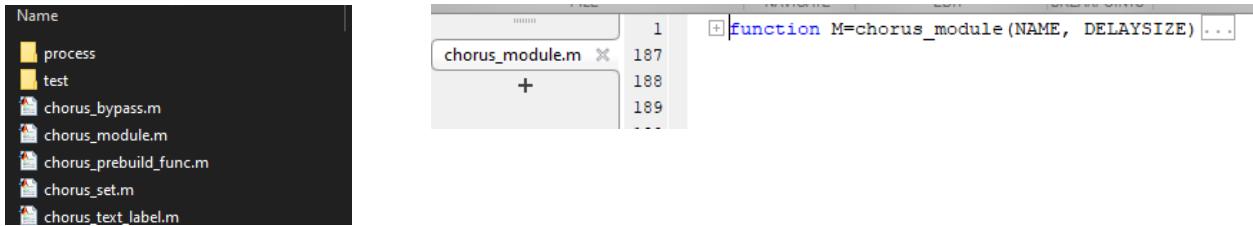


Figure 3 - After separating functions into unique .m files, the only function in chorus_module.m is chorus_module

4. Move any module function up to the same folder as the <modulename>_module.m
5. Run “make_<modulename>_pack” to create the updated .c and .h files. Adding “(1)” to the end of the command will also update the .html module documentation.

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 (e.g. “<install directory>/Bin/win32-vc142-rel/”)

2.3 Set Module Path in Designer

In Designer, 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.

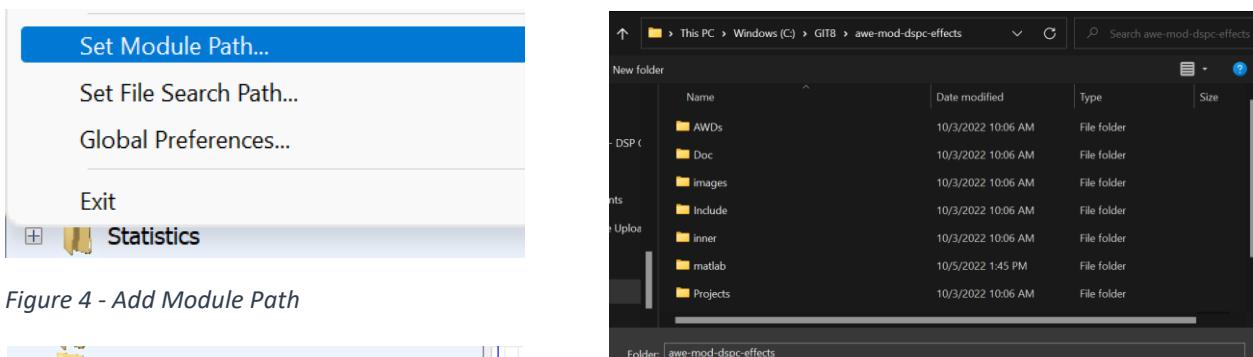


Figure 4 - Add Module Path

