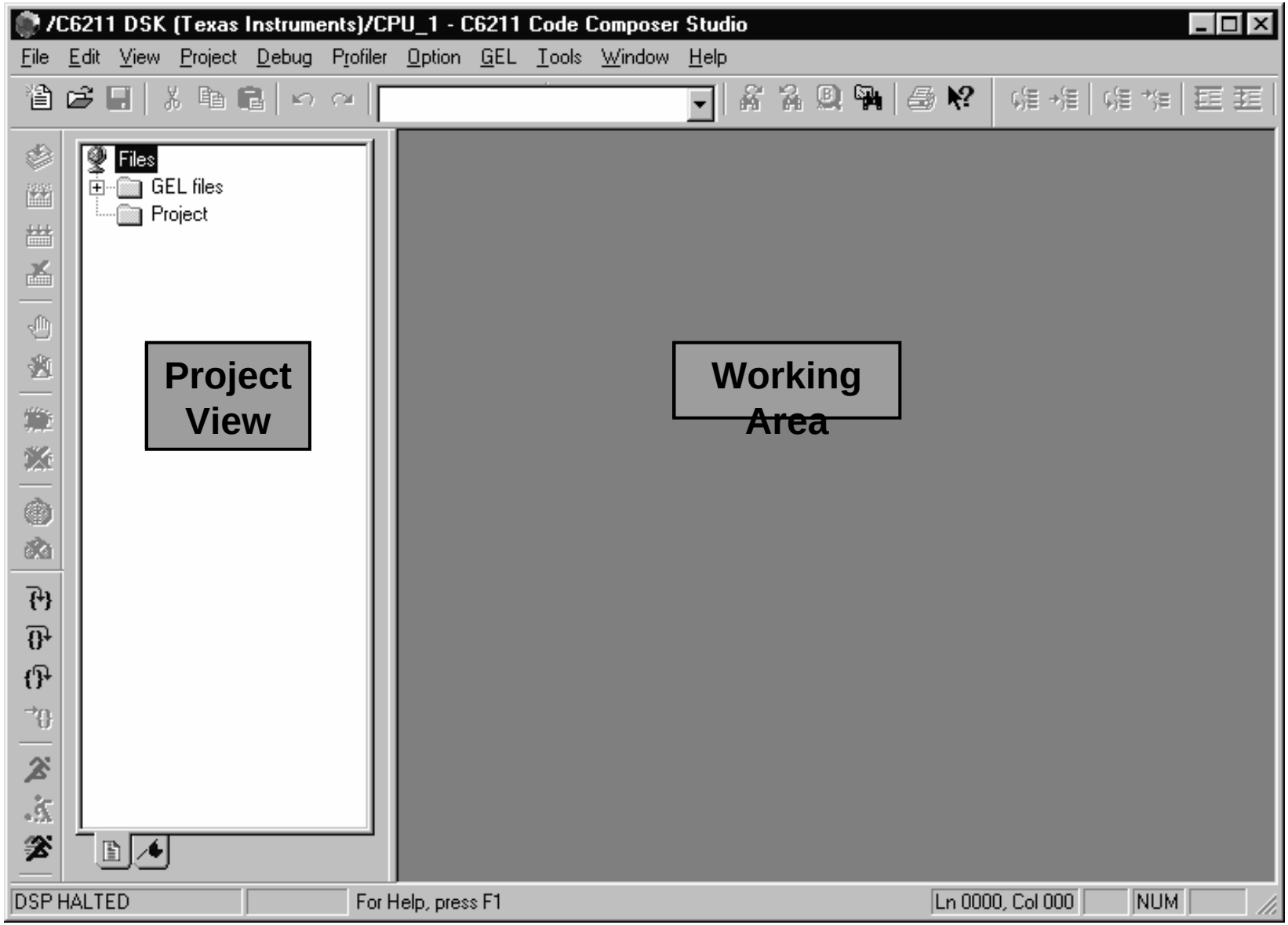
Code Composer Studio™ Environment



Code Composer Studio™ Project Manager

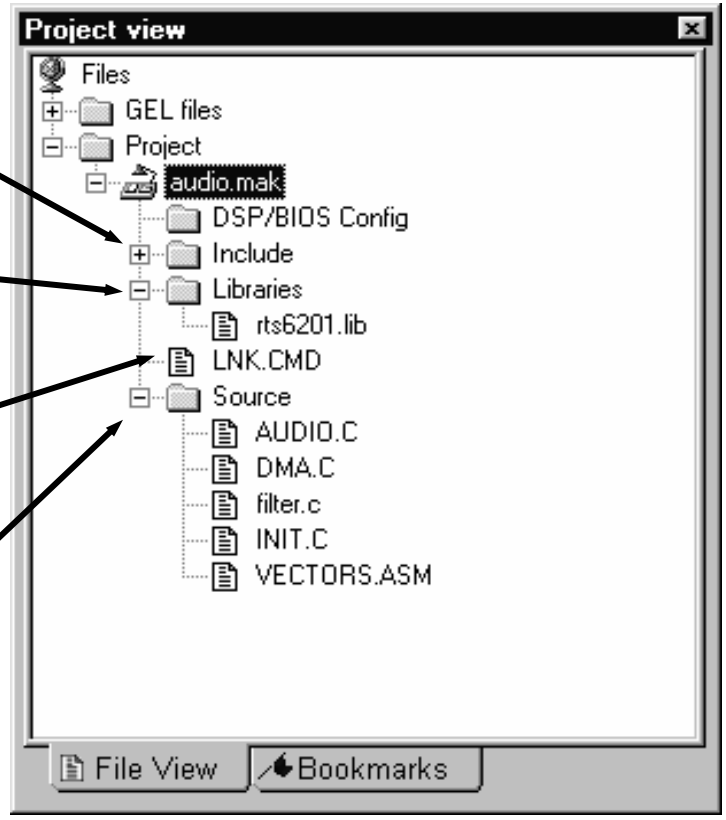
All project files are automatically placed into appropriate folders depending on the file type

"INCLUDE" folder - header files

"LIBRARIES" folder

Linker command file

"SOURCE" folder - source files

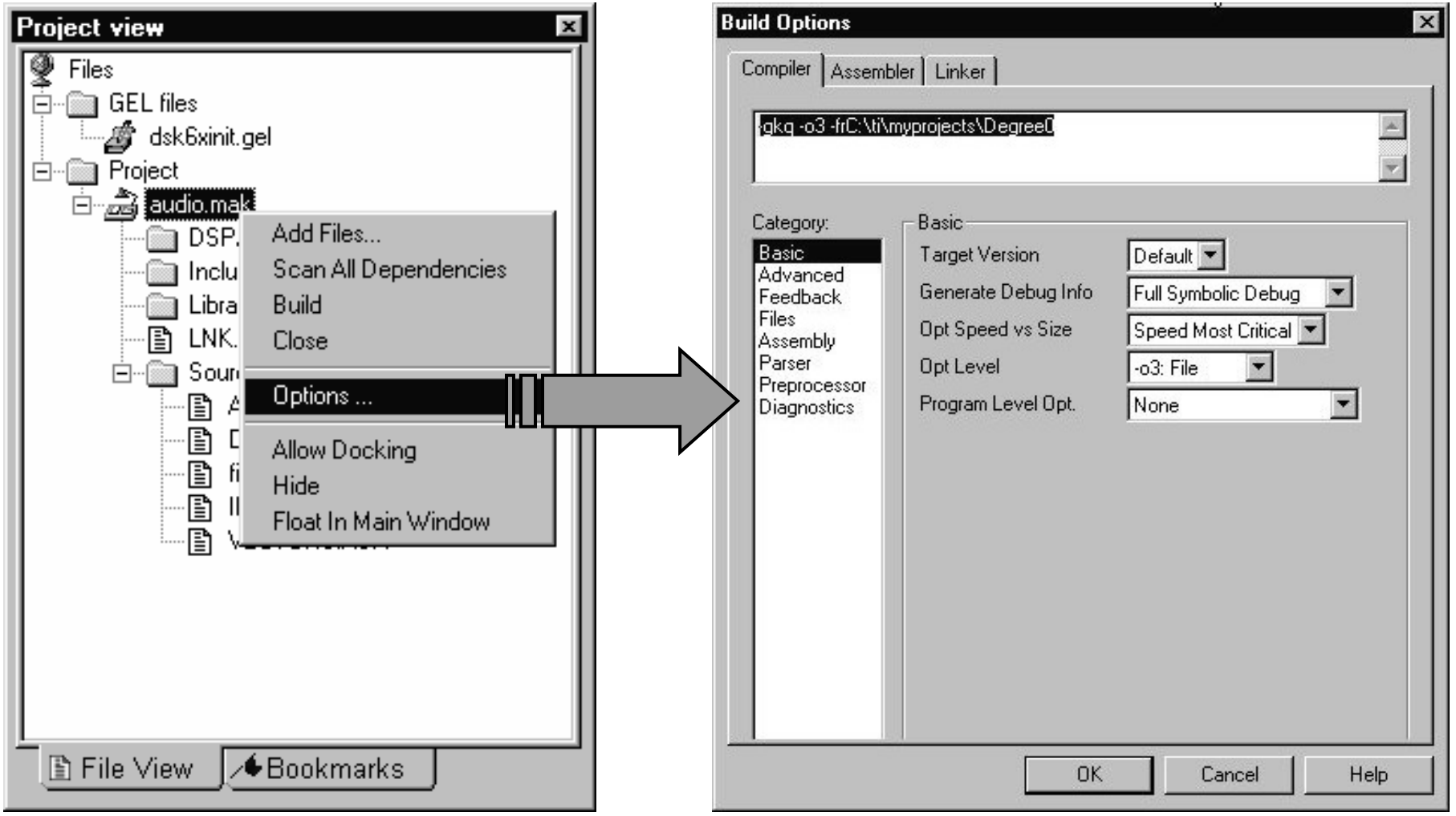


- Projects are *visually* managed
- Component files are placed into the project
- Drag-and-drop file addition is supported
- Dependency listings are maintained automatically

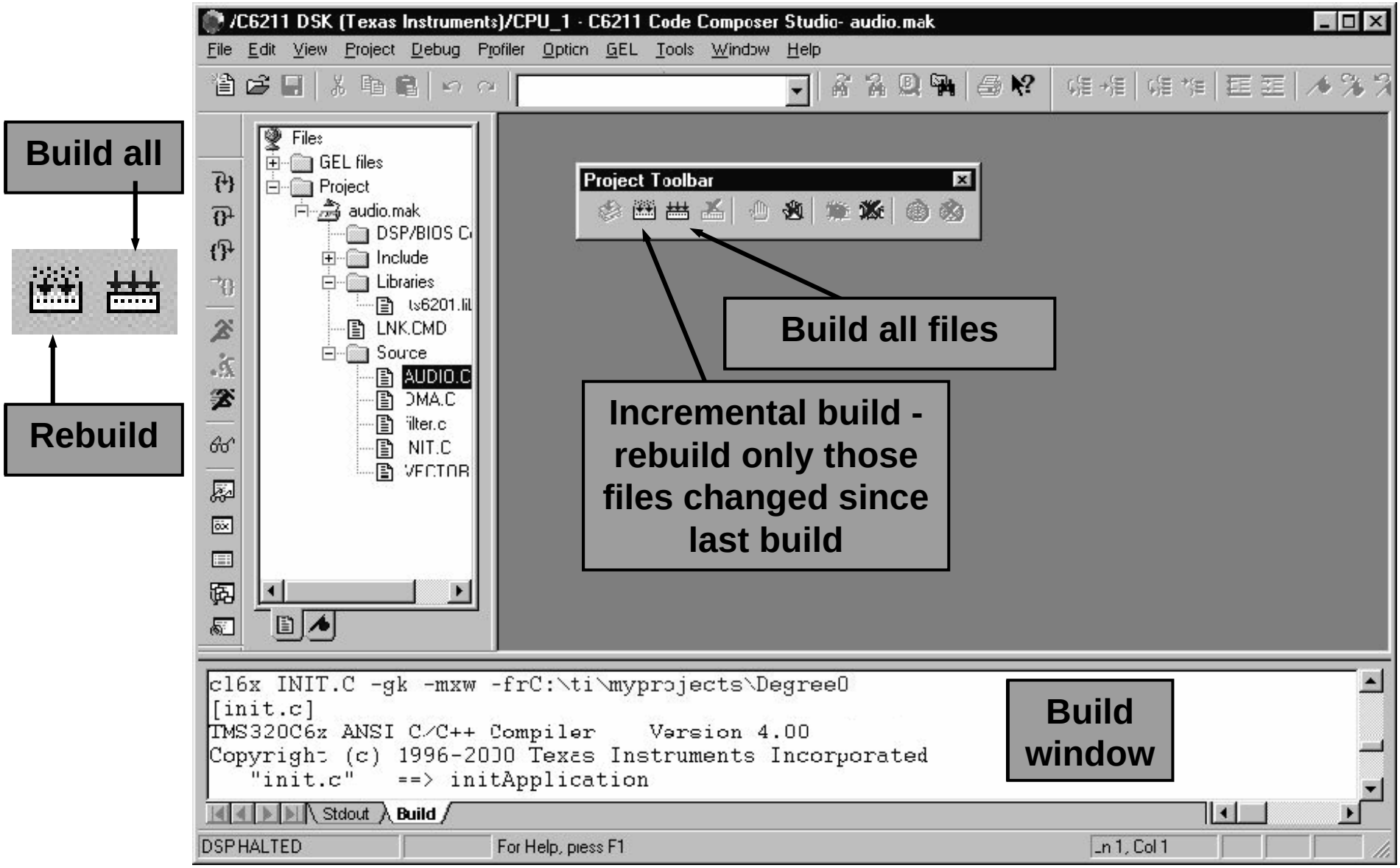
Project Build Options - Compile, Assemble, Link

Set build options intuitively via the Project Manager

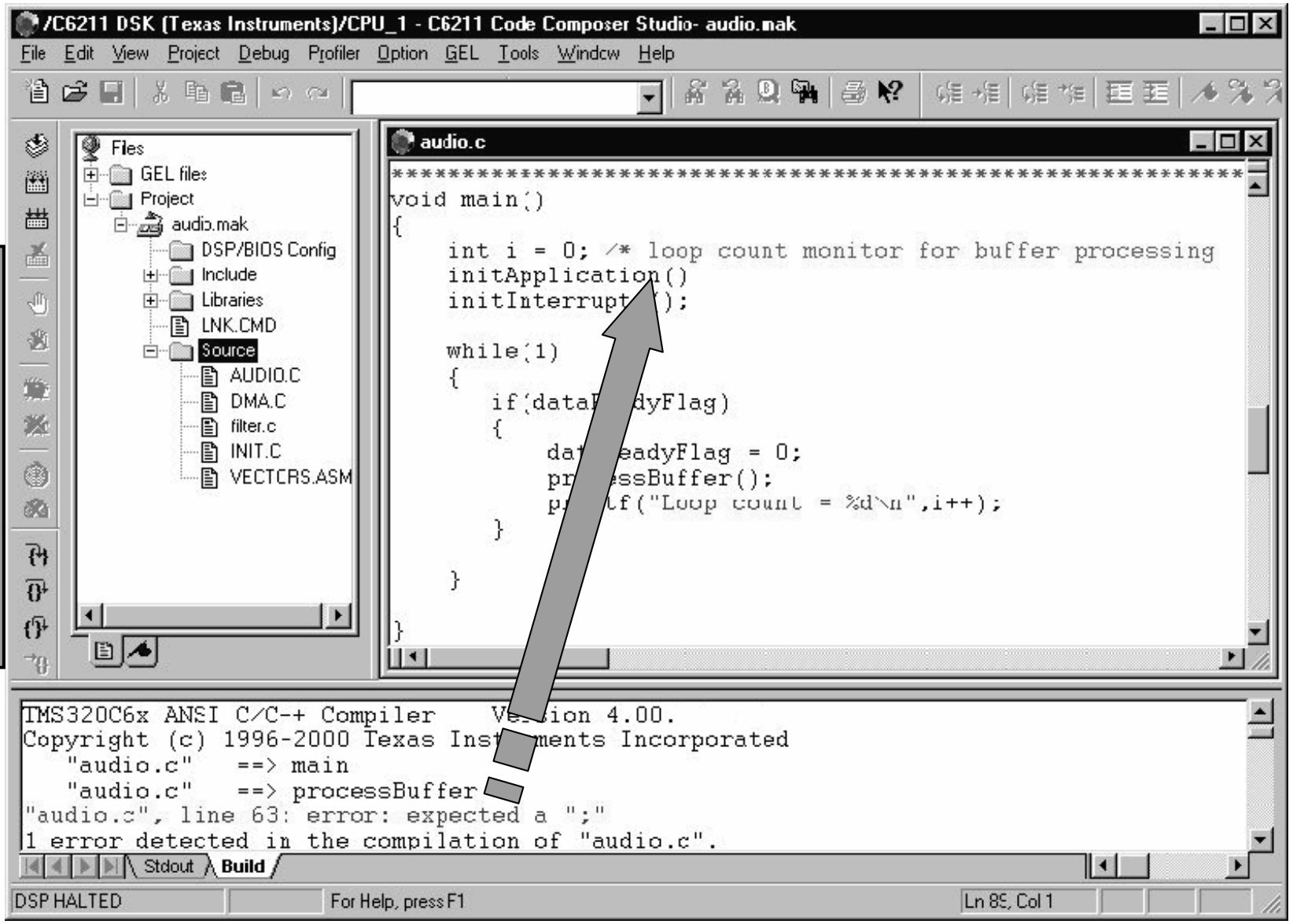
Set build options by making selections in English



Building the Executable - Project Toolbar

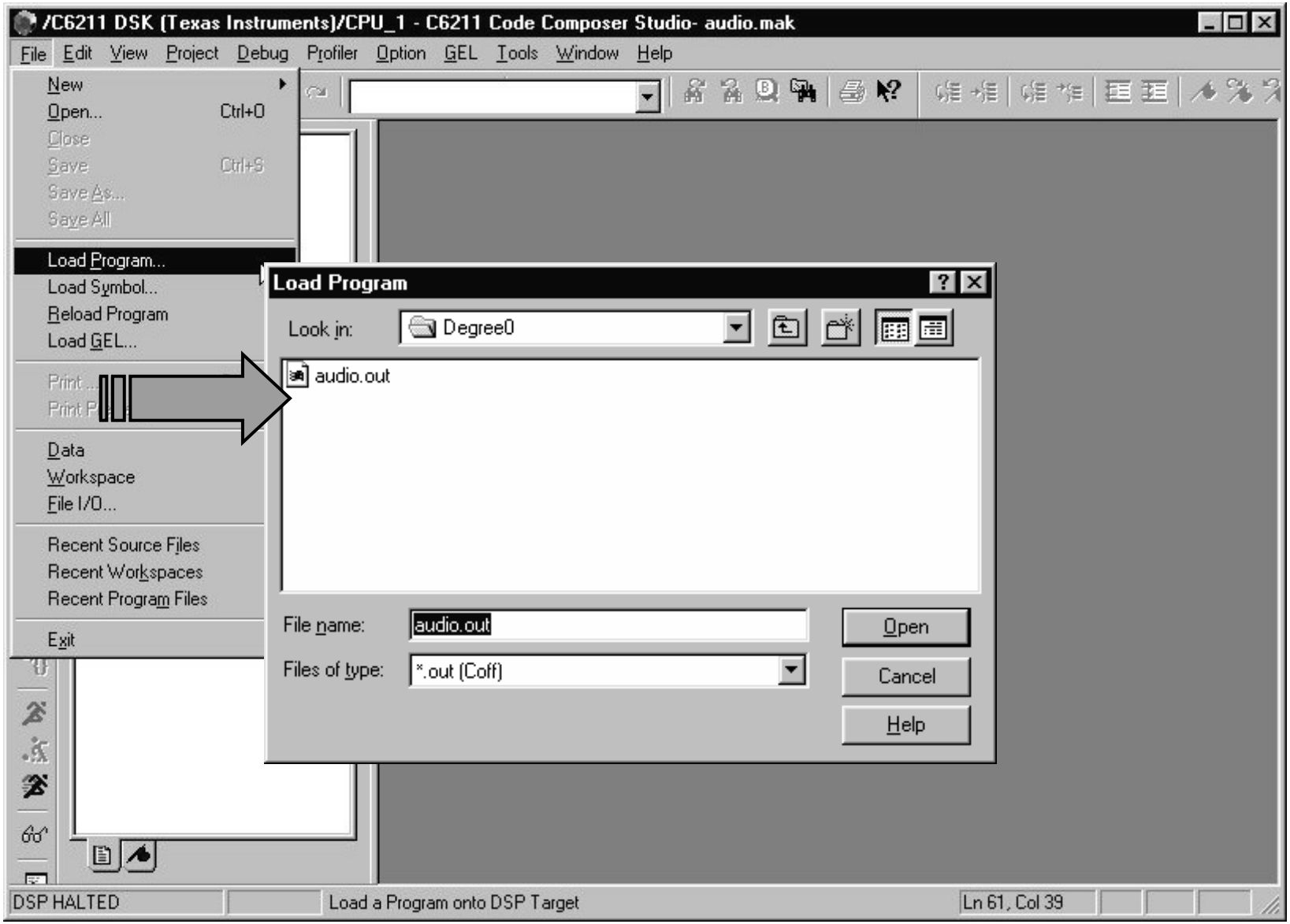


Building the Executable - Syntax Error Checking



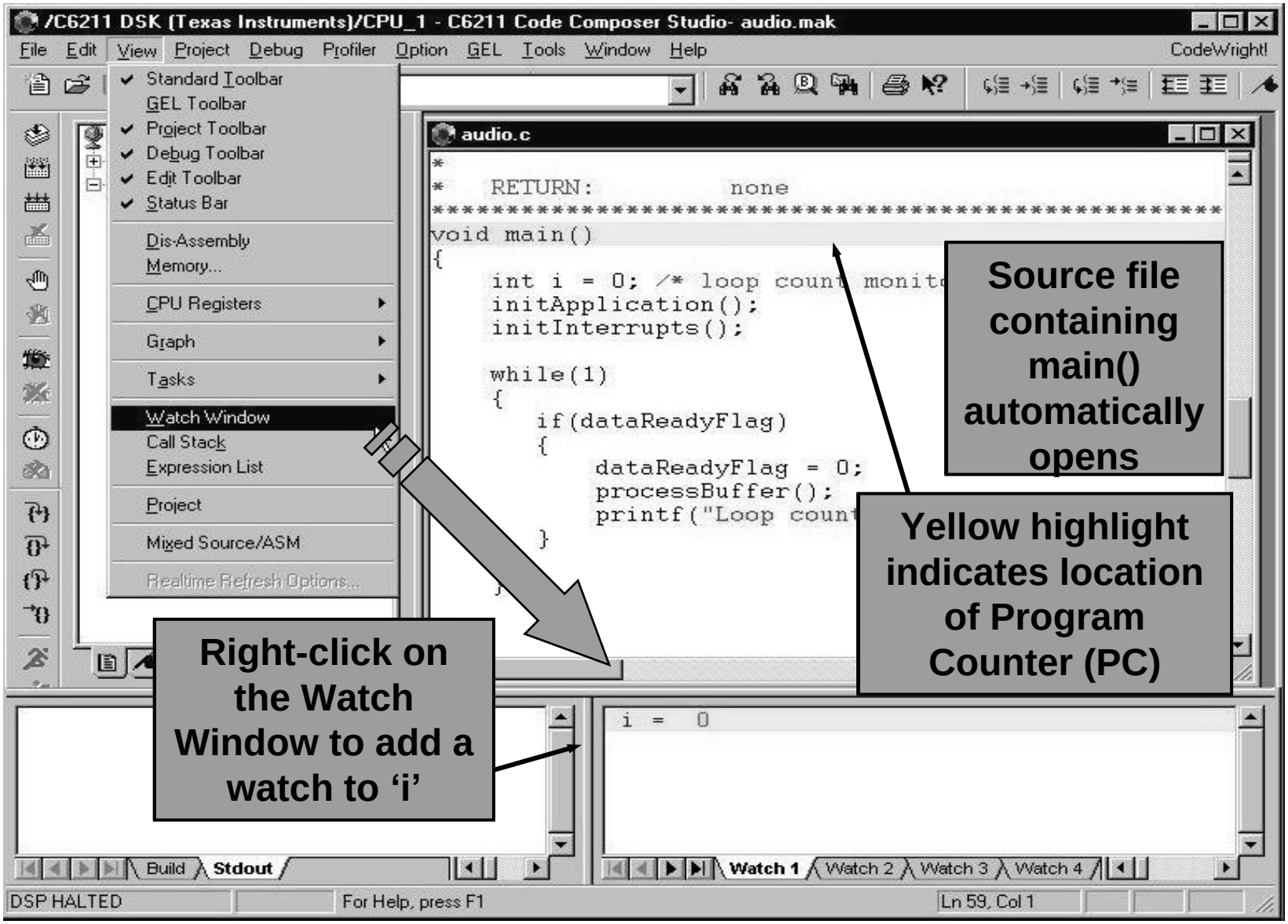
Double click on error message takes you to line at which error occurred

Step 1 - Load Executable to Target

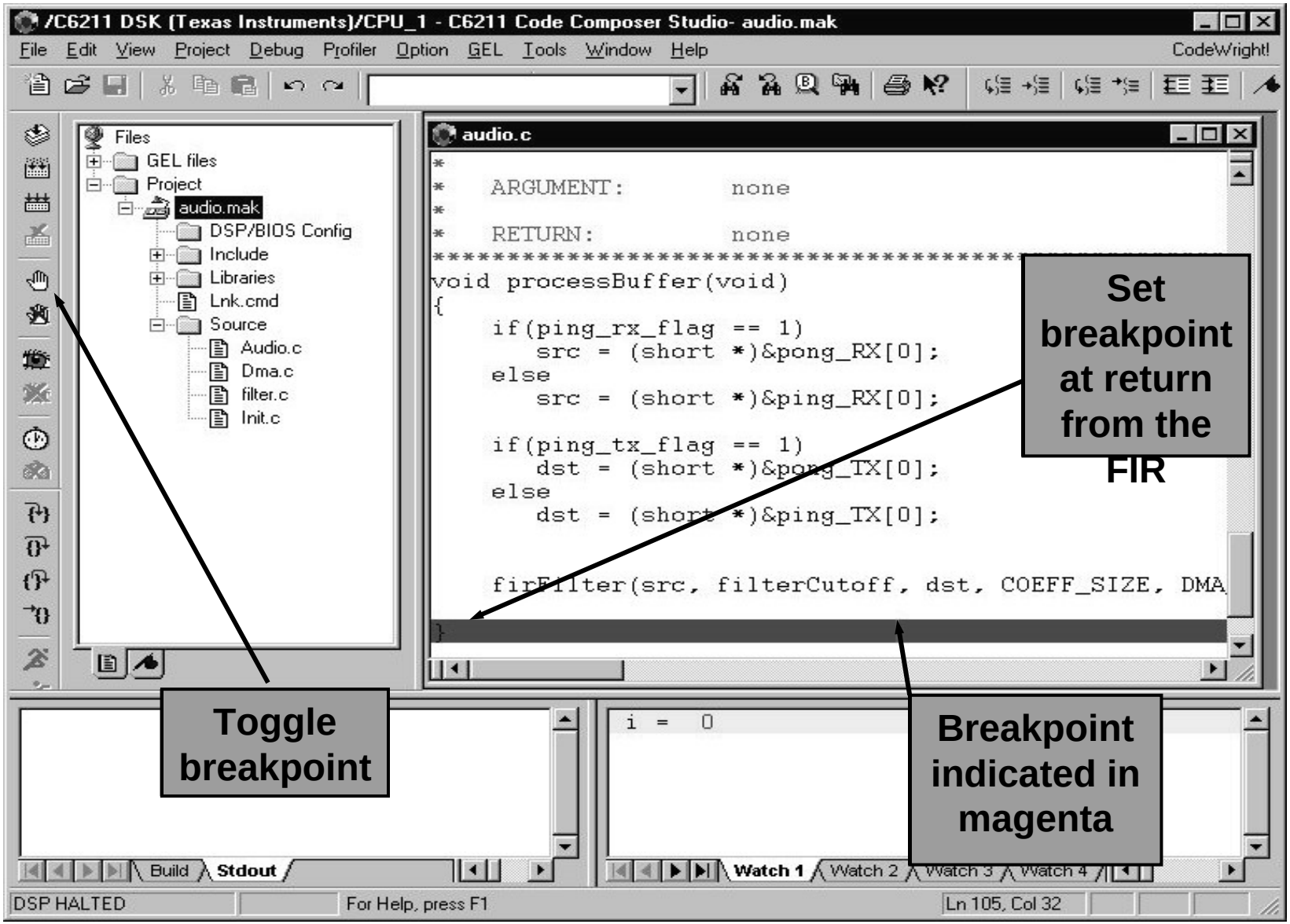


Step 2 - Run to ‘main()’

Step 3 - Open Watches



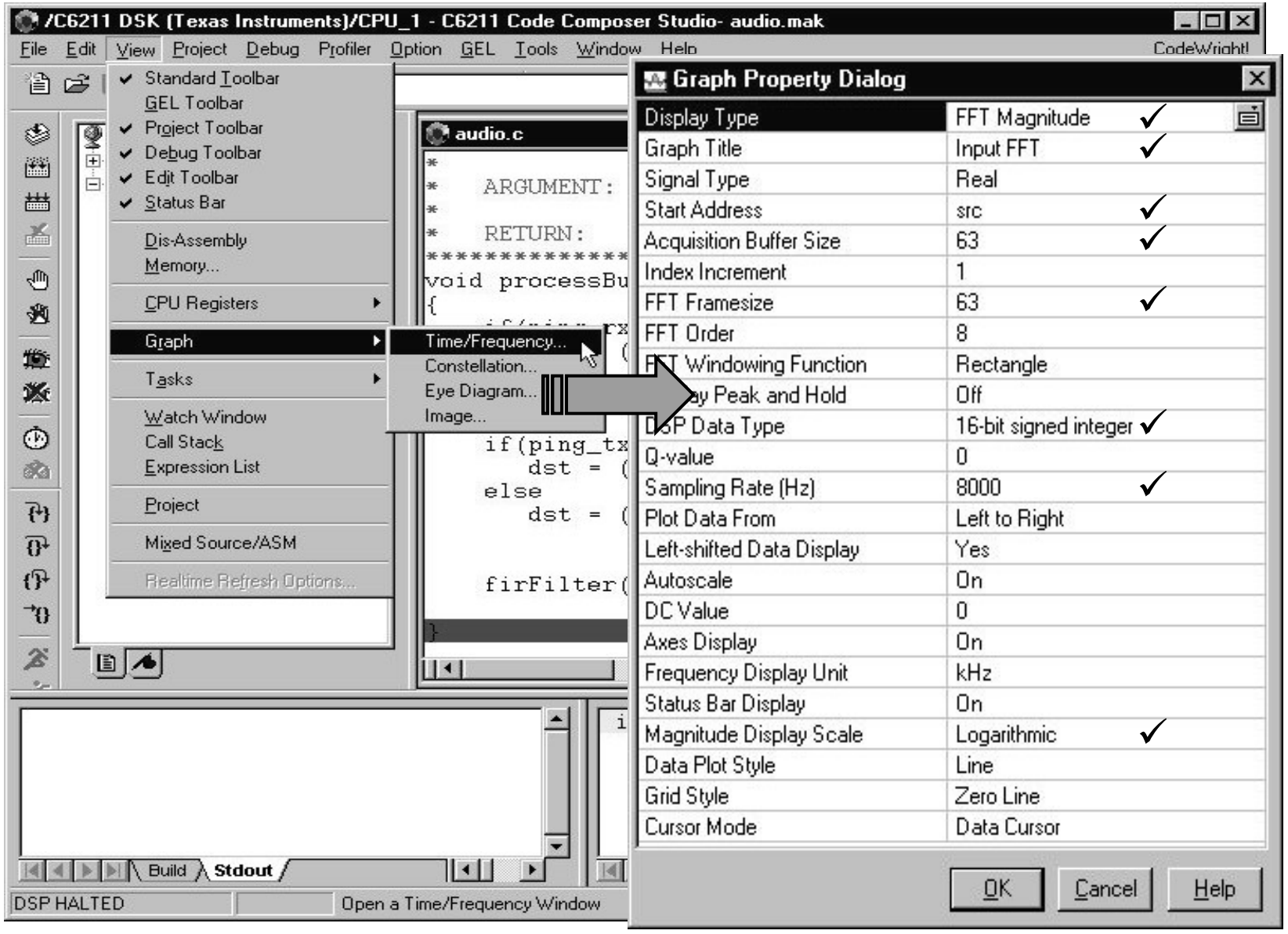
Step 4 - Set Breakpoints



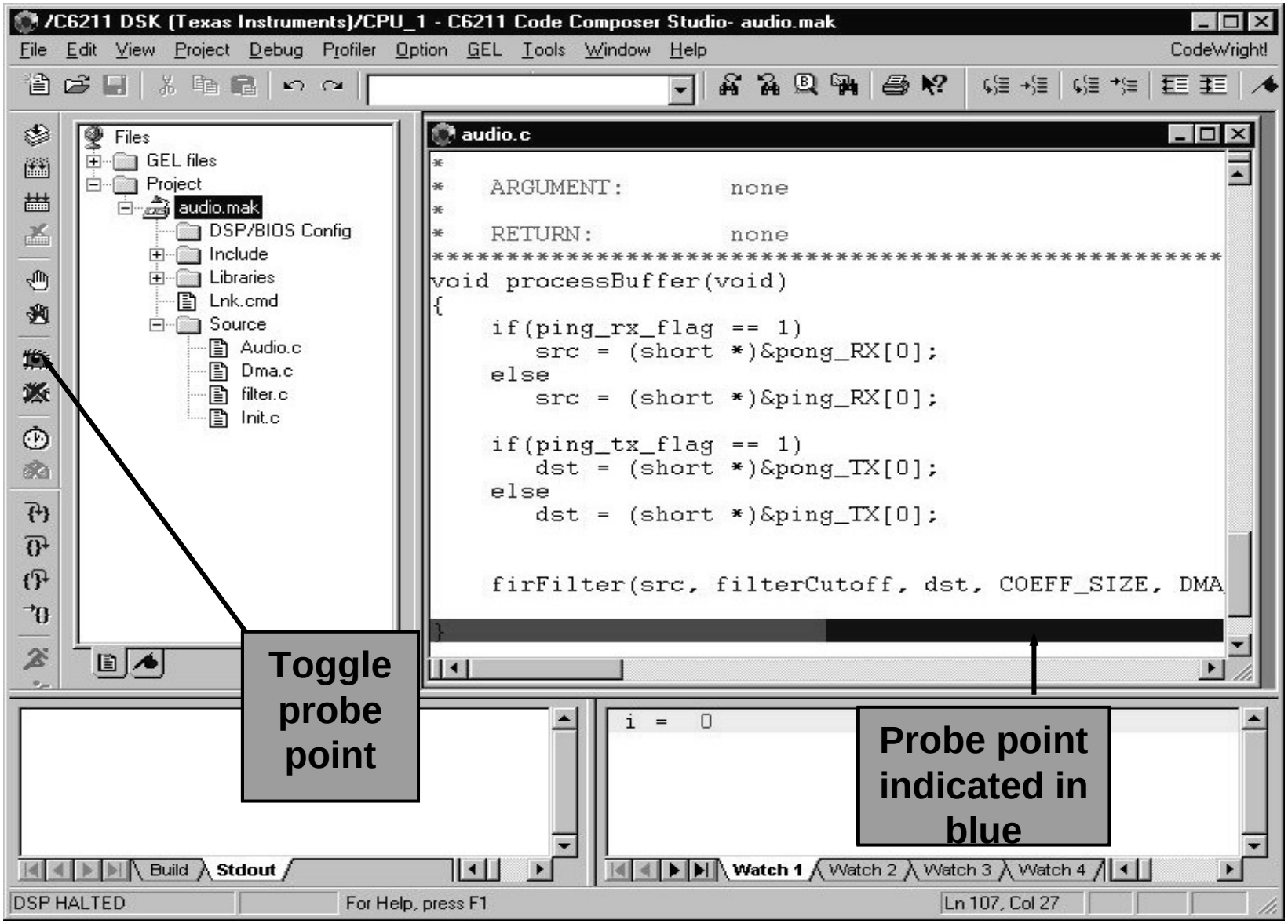
Step 5 - Invoke & Configure Graphs

Note:

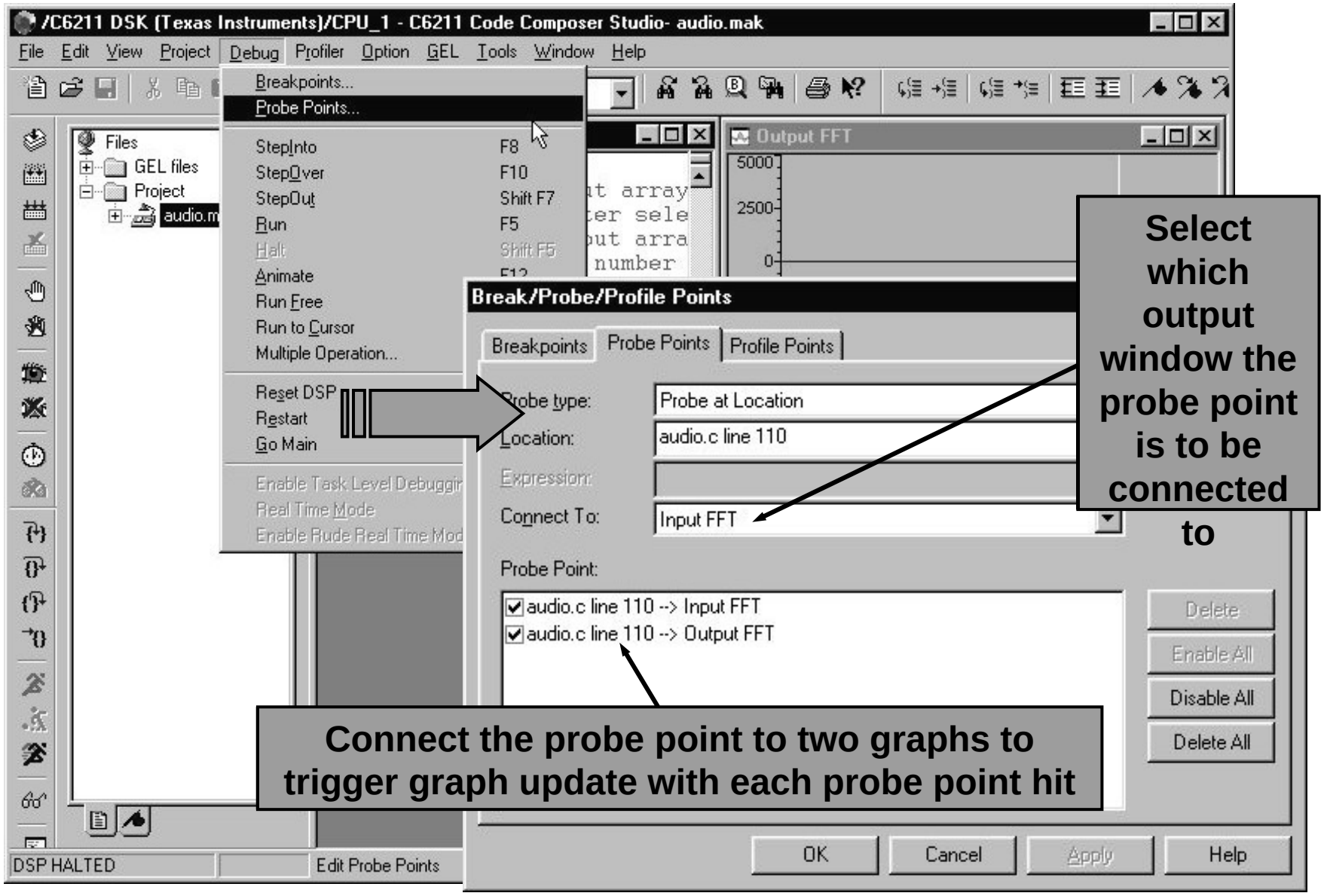
- Graphs are a host side process to minimize load on target.
- Checked items were adjusted to give the desired display.



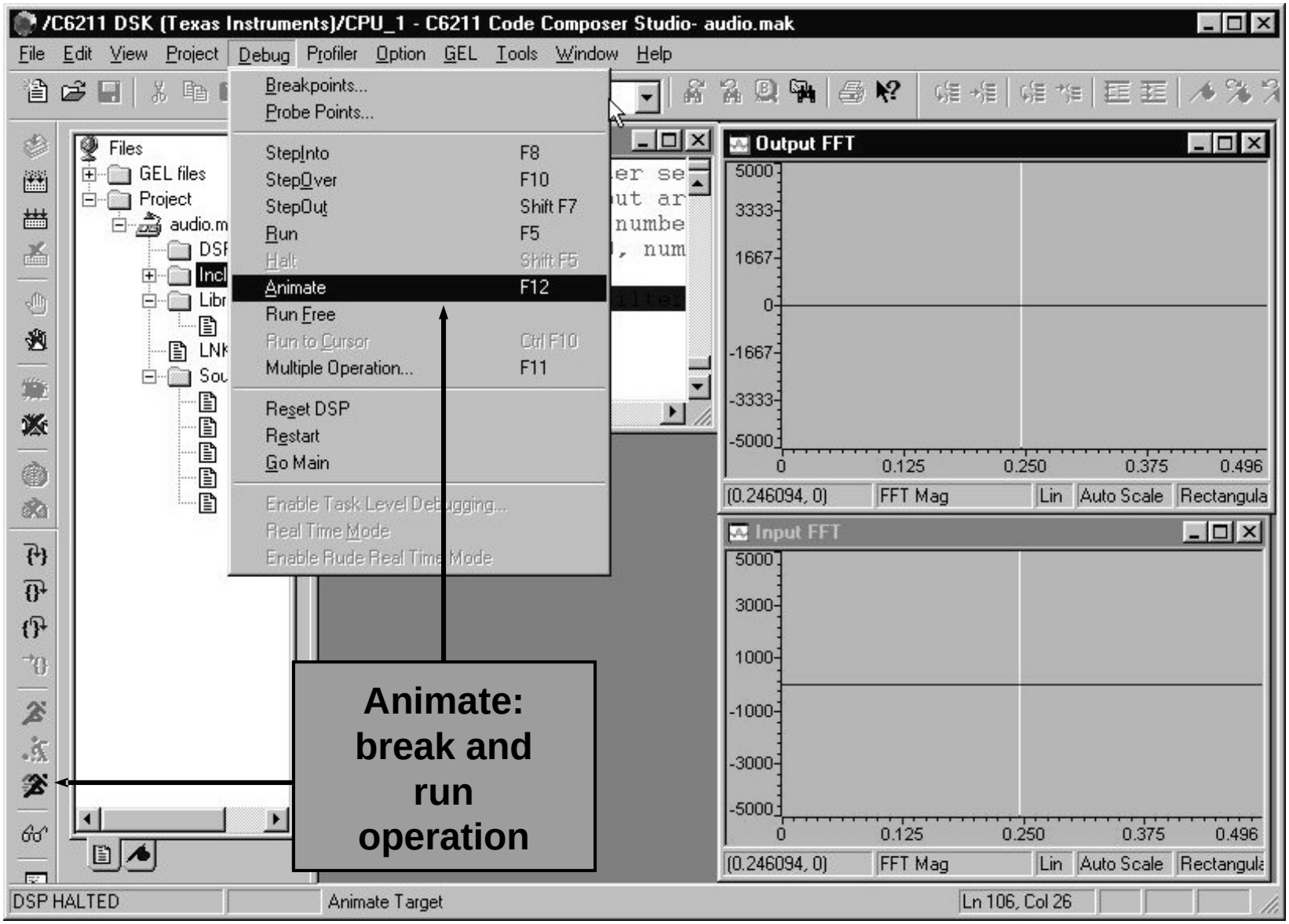
Step 6 - Probe Points: When to Get/Put Data



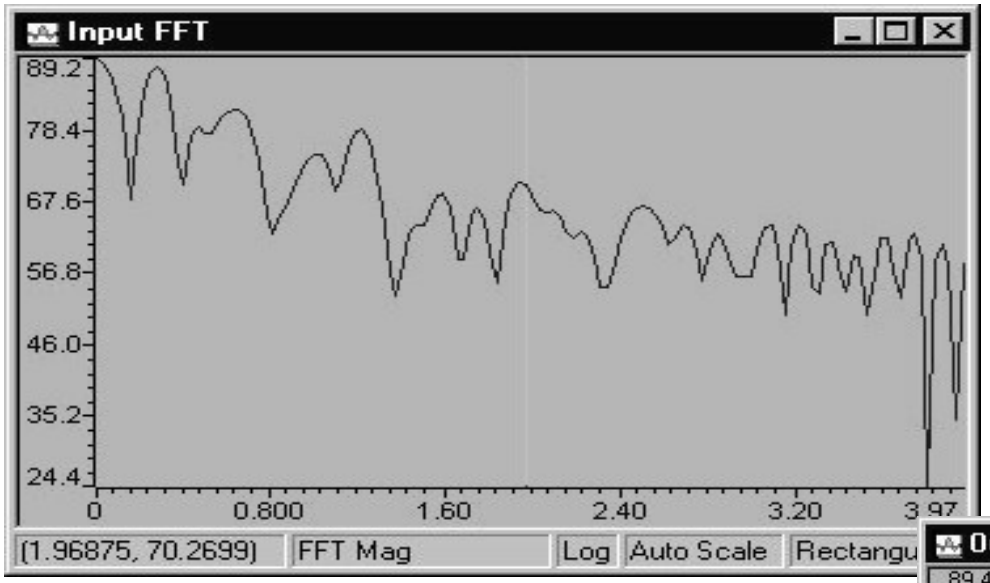
Connect Probe Points to Graphs



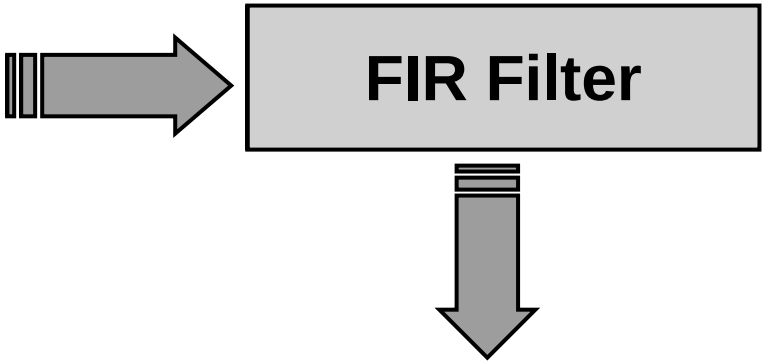
Step 7 - Animation Allows Visualization

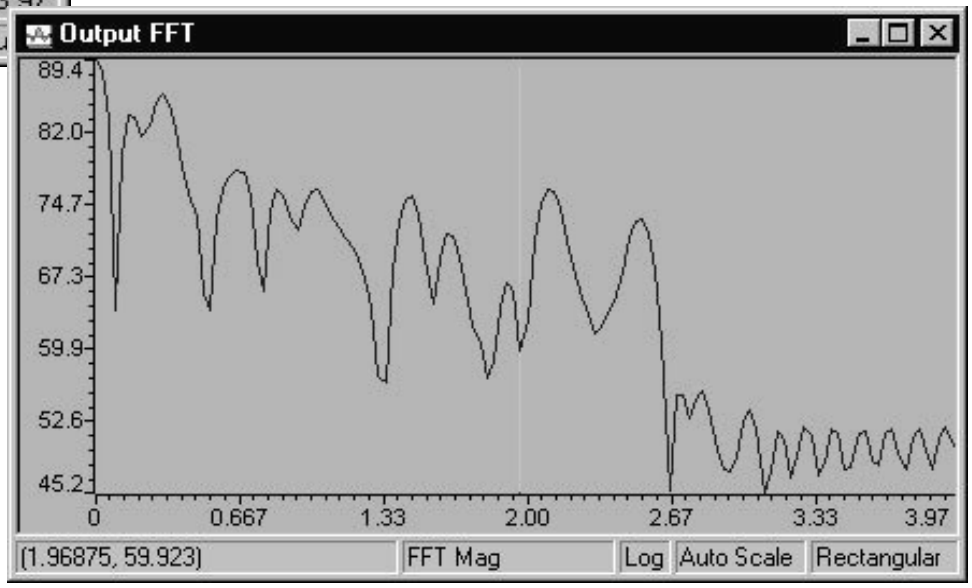


Graphs Update Each Time Probe Point Encountered



FIR Filter on target performs Low Pass function





Graphing is performed on host - not target