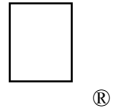


New Technical Notes

Macintosh



Developer Support

MPW C Functions: To declare or not to declare, that is the question.

Platforms & Tools

Revised by:

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Written by: Fred A. Huxham

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Here's the low-down on when C functions need not be declared in include files.

“The include files are all screwed up!”

This is a common misconception people have when they look through the MPW C include files. People report that the declaration of a ROM or system call `foo()` has been mistakenly left out of this or that include file. Here's the low-down on when functions do not have to be declared in an include file.

The Law

A C function does not need to be declared in an include file if it requires glue code and returns a short or long integer as a result.

Routines that require glue code include:

- All routines that are marked [Not in ROM] in *Inside Macintosh*
- All register based routines (Operating System routines)
- All routines which have strings or points as arguments (and have mixed case spellings)

Further Reference:

- MPW C Manual
- Using Assembly Language
- *The C Programming Language*, Kernighan & Ritchie
- M.PT.CFuncArgs
- Using Strings or Points as Arguments