G-PASCAL Version 2

Fast, easy to use Pascal

The G-Pascal compiler is a memory-resident compiler for a subset of the Pascal language that is particularly suited for schools because of its high compile speed (6,000 lines per minute). As the compiler and Pascal program are all memory resident there is no need for disk access during a compile, thereby making it fast, easy-to-use, and suitable for use with networking systems.

Low cost

G-Pascal retails for $79.50 including Sales Tax. Lower price will apply if tax exemption claimed - also please enquire about bulk discounts.

Runs on Apple 2 or //e

G-Pascal will run on an ordinary Apple 2 (with or without the extra 16K memory card) or Apple //e. It can be configured to use an 80-column card and will display in lower case if possible. It only needs one disk drive - once the compiler is loaded you can remove the G-Pascal disk and just use a 'work' disk for programs.

Uses normal Apple DOS

G-Pascal operates within the normal Apple DOS environment (the same as Basic) so that commands that are used from Basic (e.g. CATALOG) are the same in G-Pascal. Also, faster DOSes such as FDOS can be used to improve disk access time.

Supports printing of programs

At the press of a key your Pascal programs will be listed on a printer.

English error messages

Compiler error messages are printed in plain English (not numeric codes) with an arrow pointing to the symbol in error.

Powerful built-in Text Editor

G-Pascal has a built-in text editor for entry and correction of programs. The Editor has a global 'find' and 'find and replace' capability for quickly locating nominated words, or replacing one word with another.

Menu driven system

G-Pascal uses 'menu' choices for all its operations (except the editor) so that even beginners can be using the system quickly. e.g. (E)dit, (C)ompile ... - just entering a single key invokes the nominated function. Built-in error checks prevent operations in the wrong sequence (e.g. attempting to run a program before compiling it).

Comprehensive User Manual

G-Pascal comes with a 58-page ring-bound manual which explains how to use G-Pascal, has numerous examples, and has Pascal syntax diagrams at the back.

Extensions support special features

G-Pascal extensions support playing musical notes, plotting in high-resolution graphics, calling machine-code subroutines, random number generation, positioning the cursor and peeking and pokeing.

Debugging aids

Debug or Trace mode may be invoked at any time that a program is running by pressing special keys - this provides extra debugging information for tricky problems.

Pascal features supported

As G-Pascal is only 14K long it does not support all of 'full' Pascal's features, however it is a very fast and easy-to-use introduction to the Pascal language. Pascal features supported are: CONST, INTEGER, CHAR (data types), PROCEDURE, FUNCTION, WHILE, DO, REPEAT, UNTIL, FOR, IF, THEN, ELSE, CASE, BEGIN, END, READ, WRITE, VAR, ARRAY.

Integers are three bytes long giving a reasonable degree of precision (+/- 8,388,607). Also supported are single dimension arrays.

Already in use in many schools

G-Pascal is already being used by dozens of schools and tertiary institutions in Australia.

Written and supported in Australia

G-Pascal is written, manufactured and supported here in Australia. Help is only a phone call away.

For further information ...

For further information about G-Pascal (including copies of magazine reviews) please write to:

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