



# Tech Info Library

## Lisa Basic+ 2.0

Revised: 11/9/88  
Security: Everyone

Lisa Basic+ 2.0

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This article last reviewed: 9 November 1988

You might expect the German umlaut, not a standard ASCII character, to get the interpreter to generate a syntax error. Instead, the system hangs as if it were in an infinite loop; use the "pc 0" in the debugger to return to the command line. Avoid using option characters within the program text.

If a missing "&" in a multiline statement generates a syntax error instead of a system hang, something else may be wrong with the statement or with the system itself.

The renumbering of embedded numbers in 'REM' statements is often unsuccessful. Usually, the problem is that the number embedded in the 'REM' statement is both (a) the same as a line number in the program before or after the 'REM' statement itself, and (b) also a number that would be used in the renumbered sequence.

Lisa Basic+ supports two types of arrays, virtual and non-virtual (i.e. resident in memory). Both virtual and non-virtual arrays contain a limited number of elements: 2730 for real arrays and 16383 for integer arrays. (See the Basic+ User's Guide, page 9-2.) The system allocates a maximum of 32K of system memory to each non-virtual array dimensioned. Use the "LENGTH" command to tell you how much memory is available. With that amount, calculate the number of arrays you can dimension within the specific program.

Virtual array files (disk based) as well as arrays within the file can occupy more space than the available system memory. An example:

The maximum number of non-virtual arrays of maximum size with 504K of available memory is 16. Yet, if the program utilizes virtual arrays, the number of arrays that can be dimensioned is limited only by the amount of free disk space.

You can delete a file from within a basic program using the system statement 'Kill'. Refer to page 14-3 in the Basic Language manual for more details.

To transfer files with the file-manger to Slot 2 Channel 2:

- 1) press f for file-manager.
- 2) press t for Transfer.
- 3) in response to:  
    WHERE?  
    type -slot2chan2-

APPLE-. does terminate a LisaBasic program at the next logical stopping point; you can cause the program to resume by typing CONT. (Refer to page 3-11 in the Basic Language manual for details.) This method will NOT work, however, with a system hang due to, for instance, as an infinite loop; in such a case, you must implement the debugger in order to escape.

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Tech Info Library Article Number:720