

A T T E N T I O N - - N E W L D O S O W N E R

Logical Systems, Inc. wants to provide you with the BEST operating system available. We are continually updating the LDOS operating system by adding new features. For this reason, we are offering you a special update.

By sending in your registration card and your Master diskette within 30 days of purchasing LDOS, you will be entitled to ONE free update. After receiving your registration card and Master diskette, we will update your diskette to the most current version of LDOS and return it to you. In this manner, you will be assured of having the most current version of LDOS, and our records will be up to date.

Please realize that in order to acquire this free update, your Master diskette MUST accompany your registration card. Master diskettes received without registration cards will require the current fee for updating.

We believe you will not find an operating system better than LDOS, and our continuing professional support will assure you of having the most complete and best supported operating system available for microcomputers.

T H A N K - Y O U F O R P U R C H A S I N G L D O S ! !

5.1.3 UPDATE FOR MODEL I AND III

For those using 80 track double headed drives who are having trouble formatting, use one of the following patches to SYS0:

. MODEL I patch SYS0
D04,40=5C

. MODEL III patch SYS0
D03,F7=5C

NEW OR CHANGED PARAMETERS

ATTRIB - The LOCK parameter will now lock only those visible files that do not already have passwords. UNLOCK will unlock only those files whose password matches the disk Master Password.

COPY - The CLONE parameter now defaults to ON, meaning that the password status, create flag, mod flag, and date will now be carried automatically during a COPY. Using (CLONE=NO) will turn off the CLONE parameter.

DATE - Dates outside the range of 01/01/80 to 12/31/87 will no longer be accepted.

DEVICE - Four new parameters were added. If not specified, D, B, and S default to ON, and P defaults to OFF.

D=ON/OFF - specifies the drive portion of the display.

B=ON/OFF - specifies the devices (byte I/O) display.

S=On/OFF - specifies the user options display.

P=ON/OFF - duplicates the display to the printer.

DUMP - The START address still defaults to X'5500', but the END address must now be specified, or an error will occur.

LIST - A new parameter, ASCII8, was added to allow all 8 bits of a character to be displayed during an ASCII list. It can be abbreviated A8.

PURGE - To standardize using the command with and without parameters, PURGE now requires the use of a drivespec.

ROUTE - It is no longer possible to route a device to another device with the same name. Doing so will cause an abort and will display the message "Destination spec required".

SPOOL - The spooler will not allow memory usage that would cause HIGH\$ to go below X'8000' (this is an approximate value, and may vary plus or minus as only the high order byte is used in the test).

NEW OR IMPROVED PROGRAMS

BASIC - A short program to translate the command "BASIC" into the appropriate "LBASIC" command. It also forces an EXT=OFF parameter to be executed.

RDUBL - A Model I driver for the new Radio Shack doubler.

PDUBL - A revised version to cure the "silent death" problem.

SYS12/SYS - A new system module containing the execution code to service the @DODIR and the new @RAMDIR vectors. Note that the @DODIR code has been removed from SYS10. SYS12 may also be SYSRESed.

NEW SYSTEM VECTOR

@RAMDIR - This vector was defined by Radio Shack on the Model III, but was not implemented by LDOS. To provide compatibility with upcoming Radio Shack products, this vector was added to both the Model I and III. It deals with getting a directory listing from inside an application program, and is similar to @DODIR. Unfortunately, sometime last spring when the 5.1 version was being developed, a typographical error on a spec sheet put the LDOS @CKDRV vector on the Model III at X'4290'. The true location was supposed to have been X'4209'. You guessed it - @RAMDIR on the Model III is defined by RS to be at X'4290'. So, to provide compatibility with programs written for TRSDOS, the @CKDRV vector has been moved to X'4209'. To clear up any confusion:

Model I	- @RAMDIR = X'4396'	(new)
Model III	- @RAMDIR = X'4290'	(new)
Model III	- @CKDRV = X'4209'	(moved)

This change may affect current assembly language programs that are running on the Model III. By contacting the program author with the above information on the new @CKDRV vector, a one byte patch should cure any problems. The most usual type of error will be "Illegal drive number" or "Device not available".

@RAMDIR Vector = <4396>,[4290]

This routine will read the directory information of visible files from a disk directory, or get the amount of free space on a disk.

HL => Ram buffer to receive information
B => Drive number

C => 0 - Gets directory records of all visible files
C => 255 - Gets free space information
C => 1-254 - Gets a single directory record (see below)

A <= Error return code
Z <= Set if no error

Each directory record will require 22 bytes of space in the buffer. If using option 0 (C=0), one additional byte will be needed to mark the end of the buffer. For single directory records, the number in the C register should be 1 less than the desired directory record. For example, if C=1, directory record 2 would be fetched and put in the buffer. If a single record request is for an inactive record or an invisible file, the A register will return an error code 25 (File Access Denied).

The directory information will be placed in the buffer as follows:

Byte	Contents
00-14	filename/ext:d (left justified buffered w/spaces)
15	protection level, 0 to 6
16	EOF offset byte
17	Logical record length 0 to 255
18-19	ERN of file
20-21	File size in K (1024 byte blocks)
22	LAST RECORD ONLY. Contains "+" to mark buffer end.

If C=255, HL should point to a 4 byte buffer. Upon return, the buffer will contain:

Bytes 00-01	Space in use in K, stored LSB, MSB
Bytes 02-03	Space available in K, stored LSB, MSB