This release of MDOS gives you a very powerful GPL mode for your GENEVE 9640. In the GPL mode, you may load cartridges you have saved to disk, run them at the same speed as a 99/4A or over 3 times faster. You may use MY-Word, and it will run in the 9640 mode or use MYARC Extended Basic II. Extended Basic II will run several times faster than TI Basic, plus, gives you 80 columns as well as many new graphics commands.

MDOS is compatible with all RS232 cards and floppy disk controllers, as well as the Horizon RAM disk. The Horizon RAM disk must reside at CRU bases 1400 and/or 1600. The Horizon RAM disk may be accessed as DSK6 and/or DSK7. You also have an 180K internal RAM disk, which may be accessed as DSK5.

You may use any of the disk managers such as MYARC, DM1000, or DMIII to manipulate drive as required. All disk managers may be loaded with the Editor Assembler cartridge through the GPL mode.

TO SAVE CARTRIDGES TO DISK

NOTICE

The MYARC, Inc. CS and CSAVE programs are to be used to save cartridge based programs of your ownership. The copying and/or use of any program of other than your ownership, is in violation of current copyright laws and is prohibited.

All cartridges must be saved to disk, with your TI 99/4A, before the GENEVE 9640 is installed. The GENEVE 9640 does not allow for the use of cartridges except to load and run those previously saved to disk.

In the instructions below, you will find listed, several ways of using different hardware combinations to save your cartridges. Follow the instructions that fit your hardware configuration.

It is best to clean all contacts, (cartridge port of your TI 99/4A, all cartridges to be used or saved and the cartridge expander, if you will be using one) before trying to use the CS or CSAVE programs. Tests have shown the best first save success rate, when all contacts are cleaned. Contact cleaning may be done with any good electronic cleaner.

Make a backup disk of the CS and CSAVE programs, insert it into DSK1, follow the directions, listed below, for your hardware configuration. You will also require an initialized disk to copy your cartridges to.

TO SAVE CARTRIDGES WITH A CARTRIDGE EXPANDER

With the cartridge expander (Widget) you may use any one of three cartridges to load the CS or CSAVE programs; Editor Assembler, TI-Writer and Mini-Memory.

Editor Assembler: Insert the Editor Assembler into any of the three ports on the cartridge expander and set the cartridge selection switch to the port the Editor Assembler was inserted into. Insert the cartridge and/or cartridges to be saved into the remaining slots of the cartridge expander. Power up the 99/4A and select option three or option five of the Editor Assembler. If option three was chosen, enter DSK1.CSAVE and press enter. If option five was chosen, enter DSK1.CS and press enter. Continue with "IN ALL CASES".

TI-Writer: Same as Editor Assembler except use option three then enter DSK1.CS and press enter. Continue with "IN ALL CASES".

Mini-Memory: Same as Editor Assembler except use option one then enter DSK1.CSAVE and press enter. Once the CSAVE program has been loaded into Mini-Memory, it is retained with the battery backup, and may be recalled without reloading. Continue with "IN ALL CASES".

_____ **TO SAVE CARTRIDGES WITHOUT A CARTRIDGE EXPANDER** _____

Without a cartridge expander, you may save a cartridge in two ways. Either by using the special features of the MYARC Disk Controller, the Horizon RAM Disk, or a CorComp Disk Controller with the MG EPROM. You may also use the Editor Assembler, Mini-Memory or TI-Writer cartridges with the TI Disk Controller or the CorComp Controller without the MG EPROM.

MYARC Disk Controller: Insert the cartridge you wish to save into the cartridge port of the TI 99/4A. Select TI BASIC from the menu, enter CALL ILR and press enter, then enter CALL LR ("DSK1.CSAVE") and press enter. Continue with "IN ALL CASES".

HORIZON RAM Disk: Replace the MGR1 file with the CS file. Insert the cartridge you wish to save into the cartridge port of the TI 99/4A, select TI BASIC, enter CALL DM and press enter. Continue with "IN ALL CASES".

CorComp Disk Controller with MG EPROM: Insert the cartridge you wish to save into the cartridge port of the TI 99/4A, select disk manager from the title screen, select the Load and Run option, enter DSK1.CSAVE and press enter. Continue with "IN ALL CASES".

CorComp Disk Controller without MG EPROM: Same as the TI Disk Controller. Continue with "IN ALL CASES".

TI Disk Controller: Insert the Editor Assembler or TI-Writer into the cartridge port of the TI 99/4A. Select option five of the Editor Assembler and enter DSK1.CS then press enter or select option three of TI-Writer, enter DSK1.CSAVE then press enter. In both cases the program will load and run. At the request for input of the device and file name, gently remove the cartridge from the cartridge port of the 99/4A. Insert the cartridge to be saved, with pin one of the cartridge taped.

Pin one would be on the bottom right of the edge of the cartridge being inserted into the cartridge port, looking from the typing position or the bottom left looking at the cartridge edge before inserting. The tape to use may be plastic electrical or clear office type, as long as the contact is covered to insulate a connection with pin number one and the cartridge port from being made. If the 99/4A resets, then contact was made and you will need to start over. Continue with "IN ALL CASES".

_____ **IN ALL CASES** _____

After the CS or CSAVE program is loaded and starts running, you will be prompted from the screen to enter the drive number and name of the file you wish to save the cartridge under.

If you are using a cartridge expander, before entering the requested information, shift the cartridge selection switch on the cartridge expander, to the cartridge to be saved. It is best to shift the selection switch slowly, as moving the switch quickly may lock or reset the TI 99/4A.

If you are using a single drive system, remove the disk containing the CS and CSAVE programs from drive one and insert a disk to save the cartridge to. If you are using a multi drive system, insert a disk to save the cartridge to into the proper drive. Enter the requested information, DSK(drive number).(file name you wish to save the cartridge under), and press enter. The program will read the cartridge being saved and copy the program to the selected disk drive under the name you have chosen. After the cartridge has been saved, you will be returned to the TI title screen. To save additional cartridges, repeat the process.

_____ **LOADING MDOS** _____

Place the MDOS disk into Drive #1, turn PEB power on, the GENEVE will display the title swan, do a system check, then load MDOS.

The GPL Interpreter cartridge loading screen will be shown. Use the fuctions keys 1 through 4 as shown on the screen.(I.E. F4 will toggle the speed at which the cartridges will run. 1 is the same speed as a 99/4A and 5 is over 3 times faster)

_____ **TO LOAD AND RUN CARTRIDGES THAT WERE SAVED TO DISK** _____

Insert the floppy on which you saved the cartridge into drive #1. Type DSK1.(NAME OF FILE) and press enter. The file will load into the GENEVE 9640 GPL Interpreter. Once the program has loaded, press enter, and the TI Title screen will be shown, press and key and a menu will be shown, choice 1 will be Basic and choice 2 will be the cartridge program you just loaded, select 2 and the program will start running.

To return to the GPL Interpreter cartridge loading screen, press Control then both Shift keys. You may now use F1 through F4 as required and load additional cartridges.

TO LOAD MYARC EXTENDED BASIC II

Included with your GENEVE 9640 is a version of MYARC'S Extented Basic II. Extented Basic II has most of the commands of MYARC Avanced Basic listed in you Manual. Those commands not available in Extended Basic II, will have a double asterisk in front of the listing in the table of contents, for MYARC Advanced Basic, in your GENEVE 9640 manual.

Load the Editor Assembler program you saved from cartridge and select option 5, insert the disk with the MYARC Extended Basic II program on it into drive #1, type DSK1.BASIC and press Enter. Extended Basic II will load and you will be ready to run basic programs. The default Graphics mode for Extended Basic II, is 80 columns. To set a basic program to 32 columns, insert the command "CALL GRAPHICS(1)", in a line preseeding the point at which 32 columns is required. Use "CALL GRAPHICS(3) to set and/or reset 80 columns.

TO LOAD MY-WORD

Included, is the lasted version of MY-Word Processor. To load, go to the cartridge loading screen of the MYARC GPL Interpreter, insert the disk with MY-Word PROCESSOR into drive #1, type DSK1.MW/G, press enter. After MW/G has loaded press enter, then any key, then select MY-Word from the menu and MY-Word will load and start running. In making a back of MY-Word, all files except must be on a disk named MYWORD, inorder for MY-Word to load and operate.

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When MY-Word is loaded, you will be in the Command mode of the Editor and the Command line will be as shown below:

Files FOrmatter Help Lines Other Quit RecoverEdit SearcH Tabs Utility

The GENEVE'S 80 column mode, permits 26 lines to be shown on the screen, so two additional lines have been added. The Tab stops and margin settings are in view on line 25. When first loaded, the default settings of left margin: 10, right margin: 75, and indent: 15 are preset. You may change the default settings to those of your own choice of defaults (see below). On line 26 you will find the filename of the last file accessed, if any, in the left corner, and the time shown (24 hour clock) in the right corner. An asterisk (*) in front of the file name in the left corner of line 26, indicates the file has been changed since last loaded and/or saved. In the center of line 26 is the percentage of memory used. Pressing Enter will take you to the Edit mode.

Dot Command (.C* *): Used to change any special feature character. (I.E. .C@ ± will change the ± symbol to be used to activate overstrike, in the formatter mode) The @ will no longer be required to be typed twice inorder to have it printed as a character unless changed back with the Dot Command .C± @.

Edit Mode - FCTN, CONTROL and ALT keys: All of the TI-Writer functions that were invoked by pressing FCTN and a number key, have been replaced by the numbered F keys. For example, Command/Escape was formerly invoked by pressing the FCTN 9. Now you get the same results by pressing the F9 key. F9 will also return you to the Edit mode from Show Directory, Help files, and the Utility Loader. Former Control key combinations have not changed. Control Q (Q) has been added, and takes the cursor to to the left margin setting of line one (1) of the file you have in the buffer. In the Command mode, F3 now clears the input line, while remaining at the same prompt. Using the Cursor keys are normally the best way to move the cursor, but you may also use the old E, D, S, and X keys, by first pressing Alt then E, D, S, or X.

FOrmatter (FO): You may reach the FOrmatter by entering FO from the Command mode of the editor, or Control (= sign) from edit mode. It is not necessary to save the file you are working on before using the FOrmatter, but it is recommended. The FOrmatter has some significant differences from TI-Writer. The most useful of these is, instead of specifying the name of the file to be formatted from disk, for example, "DSK2.TEXT", you may specify "BUFFER" to format the file currently loaded in the Editor buffer. If you want to check a disk directory while at the FOrmatter screen, press the F7 key.

You may also specify "SCREEN" as an output device and see what the formatted file looks like, by printing it to the screen. NOTE: When you format (print) to the SCREEN, the file is not saved. You may pause and/or start the display (print to the screen) with the space bar. To return to the Edit mode, press F9. When you output to the SCREEN, make sure you have not used Define Prompt (.DP) in the file you are printing to the screen. If you have, the screen may be scrambled. When the FOrmatter is completed, you will return to the Edit mode.

Help (H): The Help screens are reached by typing H and pressing Enter. As they are loaded from disk, the MYWORD disk must be in one of your drives. The Help screens summarize all the functions available in Command and Editing Mode, as well as FOrmatter Codes, printer control codes using the Control-U, and ASCII codes. Printer codes are shown for the most common dot matrix printers.

ProgramEdit (PE): To access the Program Editor, type PE from the Command mode and press Enter. The program editor works the same as the text editor, but the Tab stops are set up as in the editor of TI's Editor Assembler and the C is enabled in the Tab settings to put characters on the left part of the screen into upper case. Additionally, word wrap (note cursor changes) and carriage returns are disabled.

SaveOptions (SO): SaveOptions is reached with the Other command, from Command mode. When you have set up the screen colors, wildcard character, and tab stops (including margins, tab stops, indent, and B and C settings) for the Text Editor and the Program Editor, go to the Command mode.

Select Other then type SO for SaveOptions and press Enter. Your
selections will be written to the file named CONTROL, on the
disk named MYWORD. When you next load MY-Word, the settings you
saved with the SaveOptions command, will be the new defaults.
You may change them again, as you require. Be sure the write
protect tab, on the MYWORD disk, is removed before you use the
SaveOptions command.

SearcH (SH): Pressing SH then Enter from the Command mode
reveals a sub-menu of FindString (FS) and ReplaceString (RS) as
with TI-Writer, and adds a new command, ChangeWildcard (CW).
These commands have been improved in four ways. First; TI-
Writer required you to re-enter the complete command sequence to
find each recurrence of the string for which you are searching
with a FindString. In MY-Word, when the first occurrence has
been located, you are prompted with "Stop at this string? Yes or
Next." By entering N for Next in the MY-Word, you can repeat the
search to find each occurrence in the text. Pressing Y for Yes
indicates you have found what you were searching for and do not
need to continue the search. Second; It does not make any
difference whether you type the string you are looking for in
upper case or lower case. The two search functions will find
all occurrences of the letters typed regardless of case. Even
mixed cases can be used.

Third; Searches can be made easier through wild-carding. A
question mark may replace any character in the string or replace
a complete string. MY-Word will locate every string that
contains the non-question mark characters, no matter what
characters appear in the position of the question mark or marks.
For example, searching for "p?t" will reveal every instance of
pat, pet, pit, pot, and put and any other words that include "p"
and "t" with a letter in between. If you would rather use a
different wild card character than ?, press CW (for
ChangeWildcard) from the menu, and you will be prompted through
the change. Forth; The direction you are searching may be
changed with a Control D key press. If you are searching from
lower line numbers to higher line numbers, then using the search
direction change, will reverse the search direction, and you
will be searching from higher line numbers to lower line
numbers.

ShowDirectory (SD): The Show Directory command is accessible
from the Command line or the FOrmatter. From the Command line,
type SD and press Enter. From the FOrmatter, press F7. You may
select the disk from the "Enter disk number:" prompt, by either
entering the number (1,2,3 ect.) or entering the full device
name. If you use the latter, be sure to place a period at the
end of the device name ("DSK2." or "DSK.MYDISK."). You can use
the cursor keys to scroll up or down a line at a time and the
Page Up or Page Down keys to scroll a page at a time. The time
and date shown on the Show Directory screen will be incorrect,
unless the files were created with MY-Word. Pressing F9, will
take you to the Command mode.

Tabs (T): In the Command mode, selecting T for Tabs and pressing Enter, will take to a sub-menu. The choices are EditTabs, TabsOff, and ShowTabs. TabsOff (TO) turns off the tab display on the bottom of the screen. ShowTabs (ST) restores the display. EditTabs (ET) puts the tab display at the top of the screen for you to edit. There are two new codes you may install in the Tab display. If you enter the letter B anywhere on the line, you will hear a beep, like a type writer, whenever the cursor reaches that point, while typing in the Edit Mode. This gives you a warning of the right margin. The second new feature in the Tab display, is the letter C. Anywhere you enter it, all characters typed to the left of it, will be in UPPER CASE. Characters to the right of it will be in UPPER or lower case just as you type them. This feature is primarily for programmers, but you may use it any time you want all upper case letters up to a point in the line or the whole line in capitals.

Utility (U): The Utility Loader provides a program image loader, just as TI-Writer's and Editor Assembler's Option 3 does. With it, you may load and run any image object code assembly program. You may exit the Program Loader with the F9 key press.

ViewFiles (VF): If you press F for Files at the Command line, the sub-menu that appears on screen will reveal a new function, ViewFiles or VF. With this function, you can read any DIS/VAR 80 text file from disk without overwriting any text you are currently working on. The file will be read and scroll up from the bottom of the screen, when you enter its filename and press Enter. You can stop the scrolling, by pressing the spacebar and restart it by pressing any key. When you reach *End of file*, press Enter, and you will go back to the Edit mode.

Further Information on Using MY-Word: There are many more things you should know about using MY-Word than are covered here. The Help files summarize all the commands available except the Mailing List functions; if you are familiar with TI-Writer, this may be all you need.

For complete details on the Dot Commands and the many F-keys, Alt and Control commands, your best source is the original TI-Writer Manual. Just keep in mind that the function-number key combinations have been replaced by the appropriate F keys, and the other function-character key combinations have been replaced by ALT-character combinations. No attempt has been made here, to repeat or improve on the very complete manual of the TI-Writer. It is still available from many stores and mail order houses. Additionally, there are some helpful supplements prepared by user groups, such as the Boston Computer Society's "TI-Writer Tips and Tricks."

MICROSOFT MULTIPLAN UPGRADE

Included with your GENEVE, is a upgrade for your MultiPlan program. To use it, you must have a copy of MultiPlan, and have saved the cartridge to disk. First, copy all programs except MPDATA and MPINTR, from your MultiPlan Texas Instrument Program Diskette, to an initialized disk named TIMP, then copy the two upgraded programs MPDATA and MPINTR, from the MICROSOFT MULTIPLAN UPGRADE disk that came with your GENEVE, to the same disk. If you are using a drive with more that SS/SD capacity, you may also copy the MultiPlan cartidge to the same disk.

To load and run the program, goto the GPL cartridge loading screen, use F4 to set the speed to 5, type the drive you are using (I.E. DSK1.), the name you saved the cartridge under (I.E. MP) and press Enter. After the program has loaded, insert the disk containing your MultiPlan programs, per above, into drive 1, press Enter, then any key, then select option 2 from the menu screen. The program will load and start running and you will be in the 80 column and higher speed mode of the GENEVE, but all commands and functions of MultiPlan will be the same.

THANK YOU

We at MYARC, thank you for your patience and support during these past few months. With the release of the programs listed above, you will be able to use and enjoy your GENEVE 9640.

We are working to improve MDOS and fix a few minor bugs. These will be ironed out over the next few weeks, when it is completed, we will put it on Compu-Serve, Genie, and Delphi. You may also get a copy by sending a blank initialized disk, a self addressed floppy mailer and one dollar, to cover shipping and handling, to the dealer from whom you purchased your GENEVE.

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