Quick loader

INTRODUCTION

QUICKLOADERs work as follow: 1) load the DOS, language card, and "hello" program of your choice into the RAM memory of your Apple, 2) "copy" the data in RAM onto your QUICKLOADER disk by "configuring", 3) "boot" the QUICKLOADER disk to "restore" the data back into RAM memory.

When you receive your QUICKLOADER, it will not have been configured. You must first configure it before it will load DOS, the language card, or a program.

CONFIGURING THE QUICKLOADER

1. Boot one of your disks to load DOS into RAM memory.

2. If you have a language card, load it with the "missing" BASIC language (or any other data that you wish).

3. Issue a "MAXFILES" command if you don't want the default setting (MAXFILES=3) to be QUICKLOADED.

4. If you want to QUICKLOAD a program, "LOAD" or "BLOAD" it into RAM memory. Integer, ROM Applesoft, and Binary programs up to 86 sectors in length may be loaded.

   ROM Applesoft programs must be relocated in RAM memory before they can be saved onto a QUICKLOADER. The following procedure will accomplish this:

   ```
   ]LOAD PROGRAM
   ]PRINT CHR$(4); "BSAVE DUMMY, A$801, L";
       (PEEK(105)+256*PEEK(106))
       -(PEEK(103)+256*PEEK(104))
   ]BLOAD DUMMY,A$4701
   ]DELETE DUMMY
   ·(insert QUICKLOADER disk)
   ```

5. If you have two disk drives and want your QUICKLOADed program to access data files on drive 2 when it QUICKLOADs, issue a "CATALOG,D2" command at this point.

6. INSERT THE QUICKLOADER DISK

7. Enter a "PR#6", press the "RETURN" key, and IMMEDIATELY press the "ESC" key. You will then see the question "CONFIGURE?" appear. Press the "Y" key to continue with the reconfiguration process.

8. The next question to appear will be "SAVE LANGUAGE CARD?". A "Y" will save the contents of the language card. A "N" will ignore the language card and proceed to the next option.

9. The next question will be either "SAVE INTEGER PGM?" or "SAVE APPLESOFT PGM?" depending on which basic was active when you booted QUICKLOADER. Answer "Y" to save a BASIC program, answer "N" otherwise.

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If the above question was "SAVE APPLESOFT PGM?" and you answered "Y", then you will have to answer one more question. QUICKLOADER will now ask you where you have relocated the Applesoft program The question will appear as "SAVE FROM $4701". If you used the procedure recommended above to relocate your program, then press "RETURN" to continue.

10. If you didn't save a BASIC program, you will be asked if you want to "SAVE BINARY PGM?".

If you answer that you do want to save a binary program, you will be asked where the program can be found in RAM ("SAVE FROM $xxxx ---> $xxxx"). The numbers that appear will be the memory locations from the last BLOAD or BRUN that you issued. You will then be asked where in RAM you want the program to be QUICKLOADED ("LOAD TO $xxxx"). Finally, you will be asked what location you want to "jump to" to start executing the loaded program ("START AT $xxxx").

Note: Integer and Applesoft programs are loaded as if they were machine language programs and then a jump to $D566 (for Applesoft) or a jump to $EFEC (for Integer) is used to "run" the program!

11. Finally, you will be asked if everything looks "OK?". Type "Y" and QUICKLOADER will save the specified locations. If you made a mistake, type "N" and QUICKLOADER will NOT change its configuration. Instead, it will reboot to let you try re-configuring again. (Note: you must press "ESC" again to re-enter the re-configuration mode).

Using Your Reconfigured QUICKLOADER

After all that work to re-configure it, using QUICKLOADER is easy. Just boot it.

Notes

YOU CAN ORDER ONE ADDITIONAL SET OF (2) QUICKLOADER DISKS BY SENDING YOUR ORIGINAL INVOICE (no copies please) AND $17.50 TO SENSIBLE SOFTWARE.

QUICKLOADER over writes RAM memory locations $0-$A00 and $3200-$3FFF. Programs that run in these locations must be loaded elsewhere in memory before being saved onto a QUICKLOADER.

RAM Applesoft programs may not be QUICKLOADED.

QUICKLOADed Applesoft programs using DOS 3.1 may not work properly with text files the first time that they are run.

QUICKLOADER saves and loads entire disk sectors of 256 bytes. This means that QUICKLOADER may save (and then load) up to 255 additional bytes beyond the "end" of your program.

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Examples:

To reconfigure to load Applesoft into the language card and DOS 3.3:

    RECONFIGURE? Y
    SAVE LANGUAGE CARD? Y
    SAVE INTEGER PROGRAM? N
    SAVE BINARY PROGRAM? N
    OK? Y

Before-QUICKLOADER		QUICKLOADER	
Command	Seconds	Command	Seconds
>PR#6	4.2	>PR#6	4.5
>FP	19.7		2.7
	----		----
Total	23.9		7.2

To reconfigure to load the CALL-A.P.P.L.E. Program Line Editor, Applesoft into the language card, and DOS 3.2.1 (commands given after LOADing and before RUNning PLE):

    RECONFIGURE? Y
    SAVE LANGUAGE CARD? Y
    SAVE INTEGER PROGRAM? Y
    OK? Y

Before-QUICKLOADER		QUICKLOADER	
Command	Seconds	Command	Seconds
>PR#6	4.2	>PR#6	4.5
>FP	19.7		2.7
>RUNPLE	3.5		0.7
	----		----
Total	27.4		7.9

To reconfigure to load the Applesoft Programmers Aide from the Apple DOS Toolkit, Applesoft into the language card, and DOS 3.3 (commands given after running LOADAPA):

    RECONFIGURE? Y
    SAVE LANGUAGE CARD? Y
    SAVE APPLESOFT PROGRAM? N
    SAVE BINARY PROGRAM? Y
    SAVE FROM $87E1 --> $9600
    LOAD TO $87E1
    START AT $87E1
    OK? Y

Before-QUICKLOADER		QUICKLOADER	
Command	Seconds	Command	Seconds
>PR#6	4.2	>PR#6	4.5
>FP	19.7		2.7
>RUNLOADAPA	21.5		0.9
	----		----
Total	45.4		8.1

To reconfigure to load the LISA assembler (version 1.5C) from Programma, International, and DOS 3.3 (commands given after running LISA):

```
RECONFIGURE? Y
SAVE LANGUAGE CARD? N
SAVE INTEGER PROGRAM? N
SAVE BINARY PROGRAM? Y
SAVE FROM $7000 --> $9AA0
LOAD TO    $7000
START AT   $7000
OK? Y
```

Before-QUICKLOADER		QUICKLOADER	
Command	Seconds	Command	Seconds
>PR#6	31.4	>PR#6	6.5

Note: Above times do not include any additional time required to type in commands or swap disks. Times may vary from system to system.

NOTES: