ATTENTION: MODEL 4/4P USERS
MANDATORY UPGRADE TO TRSDOS 6.2.1
Cat. No. 700-2298

TRSDOS® Version 6.2.1 is a collection of improvements and corrections to TRSDOS Version 6.2.0. The changes in it speed up certain BASIC operations and make floppy disk operations more reliable. **Upgrading to TRSDOS 6.2.1 is mandatory.**

The Upgrade Diskette in this package contains all the *patches* needed to upgrade your system from 6.2.0 to 6.2.1.

If you already own TRSDOS 6.2.0 (Cat. No. 26-0316), you are ready to upgrade to 6.2.1 now. Follow the appropriate procedure(s) below.

If you do **not** own TRSDOS 6.2.0, obtain it from your Radio Shack® dealer. Then, follow the appropriate procedure(s) below.

Upgrading Diskettes to 6.2.1

To perform this upgrade, you need:

- A TRSDOS 6.2.0 to TRSDOS 6.2.1 Upgrade Diskette.
- A TRSDOS 6.2.0 System Diskette (labeled "Model 4 TRSDOS and BASIC Interpreter").
- A Model 4 or 4P with two or more floppy disk drives.
- At least two blank, single-sided, 5-1/4" diskettes.

If you do not have at least two disk drives, contact your Radio Shack dealer.

1. Write-protect both the 6.2.0 System Diskette and the Upgrade Diskette by placing a foil tab over each diskette's write-protect notch.
2. Turn on your computer.
3. Place the 6.2.0 System Diskette in Drive 0, and close the drive door.
4. Press RESET. Model 4P users, press (F 2) after releasing RESET.
5. If the system asks for the date, enter the current date.
6. At `TRSDOS Ready`, place the Upgrade Diskette in Drive 1, and close the drive door.
7. Type `DO = MAKE621/JCL` (ENTER).
8. When prompted, replace the Upgrade Diskette with a blank diskette, and press (ENTER). Be sure the blank diskette's write-protect notch is not covered.

9. The upgrade procedure automatically formats the blank diskette.

   The FORMAT utility displays its output in this way:

```
Formatting cylinder                          xx
Verifying cylinder                           xx
Directory will be placed on cylinder         xx
```

   If an asterisk appears next to a cylinder number, part of the diskette is flawed. The diskette might be defective or your disk drive might be dirty. When prompted, press (BREAK) to cancel the operation. Then, go back to Step 4, repeating the procedure with another diskette until you get a good format. If necessary, clean the drive, using a Universal Disk Drive Head Cleaning Kit (Cat. No. 26-4Ø8). Then, go back to Step 4.

   If no asterisk appears next to a cylinder number, press (ENTER) when prompted.

10. TRSDOS copies the TRSDOS 6.2.Ø system from Drive Ø to Drive 1, and applies the 6.2.1 patches to the copy.

    If any JCL command (BACKUP, BUILD, REMOVE, or PATCH) causes the procedure to cancel, look up the individual command in the *Disk System Owner's Manual* to determine what to do.

11. After TRSDOS applies the patches, remove the diskette from Drive Ø, replace it with the Drive 1 diskette, and press (ENTER) as instructed by the display.

12. Place the second blank diskette in Drive 1, again being sure the disk is not write-protected. Close the drive door, and press (ENTER).

13. The upgrade procedure formats this diskette, and copies to it all information on the diskette in Drive Ø. If no asterisk appears next to a cylinder number, press (ENTER) to continue to Step 14. If any area on the diskette is flawed, follow the instructions in Step 9.

14. The upgrade procedure informs you when it is finished. Remove the diskettes from the drives, write-protect them, and label them as TRSDOS 6.2.1 System Diskettes. Label one as your master, and store it in a safe place. Label the other as your working diskette.

15. Insert your new working diskette into Drive Ø, and press RESET or (ENTER). Model 4P users, press (F2) after releasing RESET or (ENTER).

16. When the system starts up, it displays the new version number (Ø6.Ø2.Ø1).

    Note: The upgrade procedure changes the system date. Re-enter the date after upgrading the system.

Upgrading a Hard Disk to 6.2.1

To upgrade a hard disk that contains the operating system, first create a TRSDOS 6.2.1 System Diskette, using the procedure given above. Then, follow the procedure below. (Note: The hard disk must already be upgraded to 6.2.Ø.)

1. Start up your hard disk system, using the Hard Disk Startup Diskette that you normally use.

2. Type DEVICE (ENTER).

   If the first line displayed contains the word Rigid, go to Step 3. If it contains the word Floppy instead, your hard disk does not contain the operating system. In this case, skip to Step 2 of "Upgrading a Data Hard Disk System."

3. Place the TRSDOS 6.2.1 System Diskette in the upper floppy drive (Physical Floppy Drive 1), and close the drive door.

4. Referring to the DEVICE display, locate the line that has the text Floppy #2. At the beginning of the line is a number. That is the **logical** drive number for the drive containing the 6.2.1 diskette.

5. Type the BACKUP command that follows, substituting the logical drive number you located for *a*.

   BACKUP :*a* :0 (S,I,OLD) (ENTER)

   The BACKUP utility copies all the files on the system diskette to the hard disk system drive.

6. Once the backup is complete, remove the 6.2.1 diskette from the upper floppy drive. Replace it with a blank diskette. (Be sure the diskette's write-protect notch is not covered.)

7. Substituting the same drive number as before, type:

   FORMAT :*a* (Q=N) (ENTER)

   If FORMAT asks you to confirm the format, respond by typing Y (ENTER).

8. Once the FORMAT is complete, check to be sure the disk contains no flaws. If it does, repeat Step 7 with another blank diskette.

9. Type DEVICE (ENTER). This time, look for the logical drive number for Floppy #1. That will be the *b* drive in the following commands.

10. Type BACKUP :*b* :*a* (ENTER), substituting the appropriate drive numbers. This command causes a backup of your Hard Disk Startup Diskette (lower drive) to be produced in the upper drive.

11. After the backup is complete, remove the Hard Disk Startup Diskette from the lower drive. Move the other diskette from the upper drive to the lower drive. Close the drive door.

12. Place the TRSDOS 6.2.1 diskette in the upper drive, and close the drive door.

13. Type:

    BACKUP :*a* :*b* (SYS,INV,OLD) [ENTER]

    Note: This step performs a backup of the diskette in the upper drive onto the diskette in the lower drive. The order of the drive numbers is reversed from that of the command in Step 10.

14. When the backup is complete, enter this command:

    SYSGEN (DRIVE=*b*) [ENTER]

15. Try to start your system, using the diskette in Floppy Drive 0 (the lower floppy drive). If the system starts correctly, remove the diskette from the lower drive, and label it "TRSDOS 6.2.1 Hard Disk Startup Diskette." Write-protect the diskette, and make a backup of it.

Use your new working Hard Disk Startup Diskette from now on.

Upgrading a Data Hard Disk System

Use this procedure for your hard disk **only** if the hard disk does not contain the operating system.

1. Start up your hard disk system, using the Hard Disk Startup Diskette that you normally use.

2. Insert a blank diskette into Drive 1 (the upper floppy drive).

3. Type FORMAT :1 (Q=N) [ENTER].

4. If there are no flaws in the format, type:

   BACKUP :0 :1 [ENTER].

5. If asked to confirm the backup, respond by typing Y [ENTER].

6. Once the backup is complete, remove the Drive 0 diskette, and store it in a safe place.

7. Move the Drive 1 diskette to Drive 0, and close the drive door.

8. Place the TRSDOS 6.2.1 System Diskette in Drive 1, and close the drive door. Type:

   BACKUP :1 :0 (SYS,INV,OLD) [ENTER]

9. After the backup is complete, type:

   SYSGEN (DRIVE=Ø) (ENTER)

   Note: Do not reset the system before entering the SYSGEN command. If you do, you lose the hard disk configuration and must return to Step 1.

10. Press RESET. Model 4P users, press (F 2) after releasing RESET. The system should come up normally and be configured as it was under TRSDOS 6.2.Ø.

11. Remove the diskette from Drive Ø and label it "TRSDOS 6.2.1 Hard Disk Startup Diskette." Write-protect the diskette, and make a backup of it.

Use your new working Hard Disk Startup Diskette from now on.

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