

AUTO COPY ROM INSTRUCTIONS

INSTALLATION INSTRUCTIONS

Follow the instructions on page 3 of the Mass Duplicator manual on checking the chip and opening your drive. Locate the DC ROM as shown in figure 2 of the manual; it will be labeled U6 on the printed circuit board. Figure 3 also shows the position of the DC ROM. It is to the right of the Fast Copy ROM (FE ROM - U5) and beneath a pin labeled GND. Carefully remove the ROM from the U6 socket, use a small flatheaded screwdriver or a chip removal tool. Place the Auto Copy chip into the socket making sure the notch is pointing up. Check that the pins line up with the holes in the socket then press the chip into place. Your Auto Copy ROM is now installed. Before closing up the drive, reconnect it to the computer and the power cable. Turn it on and make sure it is functioning correctly. If anything seems different than usual turn the drive off and check your installation. If the installation seems correct the chip may be defective, return it to us with an explanation of the problem (it may be worthwhile to call first).

USING THE AUTO COPY FUNCTIONS

Now that your MSD SD-2 is equipped with the new ROM you can invoke the new auto copy functions at any time simply by turning on the drive. It does not have to be connected to a computer at the time. If it is connected to a computer or other devices there is no need to disconnect it as it will become totally transparent when in Auto Copy mode!

To enable the 15 second, no verify, backup, place the disk you wish to copy into drive zero. This disk must be write protected or be partially inserted so that the write protect sensor will be covered. Turn on the drive. When it is powered-up the drive one LED should be on, and the power LED should be flashing. Now place the destination disk into drive one, the drive one LED should go off and then when the disk is fully inserted all the LEDs should start to flash a pattern for about 2 seconds, this will give you time to close the drive door(s). The copying will now begin.

To enable the 22 second, verified backup, the drive one write protect sensor must also be covered when the drive is turned on. Do this by partially inserting the destination disk into drive one. After the drive is powered up, fully insert the disk to begin copying.

After a backup is completed the power LED will flash again. Check the drive zero LED, if it is also flashing an error has occurred during the copying process. It may be a read error on the source disk or a write/verify error on the destination disk, correct it and try again.

To continue copying, remove the destination disk and insert another; copying will begin again after the 2 second pause.

Some quick notes: The backup process is always from drive zero to drive one, the source disk can be left in the drive or exchanged at will, it does not effect the auto-copy sequence, the duplicate command (D0=1) now defaults to the the Fast Copy routine (FV0=1), resetting the drive will NOT start the auto copy sequence; the drive must be turned off then back on.

The Auto Copy ROM will only work if the Mass Duplicator and Fast Copy chips are installed in the MSD SD-2.