



(Fig 1) MEM-108 Board (Current Production)



(Fig 2) Disk-on-Chip 2000 (Earlier Units)

## Overview

The DMX-R100 uses a flash RAM device called a Disk-on-Chip in place of a hard disk drive. This makes the unit very rugged and reliable as well as using less power, and has the added bonus of being silent, so that the console can be used in the live recording area, whether it is a studio or on location.

The Disk-on-Chip is a 32MB device which appears to the operating system as a hard disk.

There are several versions of this device, but only 2 main styles as shown above. The original package, shown in figure 2 above, is a fully encapsulated 32 pin DIP device with a yellow logo, (M-Systems MD2200-D32). The second device (not shown) is identical in appearance, except the logo on the label is orange.

The current device is very different in appearance see Fig 1. It is a small circuit board with 4 ICs mounted on it and a 32pin DIP header, it is called MEM-108 and is now a Sony part.

On some units it has been observed that the console may 'hang up' or freeze. one of the possible causes of this is the disc-on chip over heating. So it is recommended that if you have a disc-on chip as shown in Fig2. it is replaced with the newer style as shown in Fig 1.

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