

SRAM Card Support Information.

SRAM with DOS and Windows 3.1X

For DOS and Windows 3.1X: SRAM cards need a DOS version of a Card and Socket Services Program. Please check to see if you have this running, if not, contact your notebook PC vendor or card reader manufacturer. Some of the vendors listed or linked to on the [PC Card support for MS Windows NT 4.0](#) page also make Card and Socket Services packages for other legacy Microsoft operating systems.

SRAM with Windows 95

For Windows 95: SRAM cards need to be configured as follows:

Two lines must be added to the CONFIG.SYS file

```
device=c:\windows\system\csmapper.sys
```

```
device=c:\windows\system\carddrv.exe /slot=2
```

This will give the SRAM card a drive letter. For more information see Microsoft's [To Install PC Card Support for an SRAM Memory PC Card](#) page.

The following information may be of use with Windows 95:

- [Problems Installing SRAM or Flash Memory Cards in Windows 95](#)
 - [Inserting SRAM Card into Docking Station May Hang Computer](#)
 - [PRB: Windows 98: PCMCIA Devices Show Error 7 in Device Manager](#)
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SRAM with Windows NT 3.51 & 4.0

For NT 3.51 & 4.0: You need a NT version of a Card and Socket Services software program on your system. Please contact your notebook PC vendor or card reader manufacturer. Please see our [PC Card support for MS Windows NT 4.0](#) FAQ page for more information.

SRAM with Windows 98

For Windows 98: Instead of using the 16-bit drivers in the CONFIG.SYS:

```
device=c:\windows\system\csmapper.sys
```

```
device=c:\windows\system\carddrv.exe /slot=2
```

Use the drivers supplied by Windows 98. These drivers are located in the following directory:

In the Windows 98 CD,

```
\drivers\storage\ftl\trueffs.inf
```

to install these drivers, do this:

1. Remove all SRAM cards from the PC Card socket
2. Right click on \drivers\storage\ftl\trueffs.inf This will create a directory in your windows directory called TFFS9X
3. Once this directory is installed, all of the necessary drivers are installed.
4. Add LASTDRIVE=Z statement on the CONFIG.SYS
5. Restart your system
6. Both slots are now SRAM card compatible

For more information see Microsoft's [To Install PC Card Support for an SRAM Memory PC Card](#) page.

The following information may be of use with Windows 98:

- ["Trap 14" Error During Suspend on ACPI Computer with SRAM PC Card](#)
- [PRB: Windows 98: PCMCIA Devices Show Error 7 in Device Manager](#)

SRAM with Windows 98 SE

Use the instructions above for Windows 98. However, the following information may be of use with Windows 98 SE:

- ["Trap 14" Error During Suspend on ACPI Computer with SRAM PC Card](#)
- [PRB: Windows 98: PCMCIA Devices Show Error 7 in Device Manager](#)

SRAM with Windows 98 SE

Use the instructions above for Windows 98. However, the following information may be of use with Windows 98 SE:

- ["Trap 14" Error During Suspend on ACPI Computer with SRAM PC Card](#)
- [PRB: Windows 98: PCMCIA Devices Show Error 7 in Device Manager](#)

SRAM with Windows Millennium

The MS-DOS or Windows 3.1 version of the TrueFFS driver does not work with the Windows Millennium PCMCIA driver. To work with FTL-formatted Linear Flash PCMCIA cards in Windows Millennium, install the device driver provided by M-Systems.

To install the device driver:

1. In Windows Explorer, go to the \Drivers\Storage\Flash folder on your Windows Millennium CD.
2. Right-click the file Trueffs.inf, and then click Install.
3. Restart your computer.

Your linear flash and SRAM cards will now function. For more information see Microsoft's [Windows Millennium Edition Hardware.txt File](#) page.

SRAM with Windows 2000

Updated August 30, 2001

Linear Flash and SRAM Cards do not come with drivers, it has always been the OS vendor's responsibility to include support for these devices. Unlike previous versions of Windows, the Linear Flash and SRAM drivers traditionally included on Windows distributions are not included with Windows 2000. The following information explains a work around to get Windows 2000 to recognize and use Linear Flash and SRAM Cards. Be certain Windows 2000 has been upgraded with at least Service Pack 1 and the host hardware supports PC Cards. OEM installed Windows 2000 should not exhibit problems, but systems upgraded from older Windows versions may need confirmation that their hardware is compatible.

Please note that this provides a work around as a customer service and does not guarantee that will work with every system configuration.

1. During the Windows 2000 hardware setup process choose **Display a list of known drivers...** instead of **Search for a suitable driver...**
2. Select the category **Memory technology driver**
3. Select the M-Systems DiskOnChip2000 driver from listed manufacturer **M-Systems Flash Disk Pioneers**
4. Click **Yes** on the Update Driver Warning message, continue and click **Finish** to complete the setup process, click **No** from the restart Windows message
5. Access the Device Manager and highlight **M-Systems DiskOnChip2000** from the category **Memory technology driver** (it has the conflict symbol)
6. Access the **M-Systems DiskOnChip2000** and click **Update Driver** from the Driver tab
7. Choose **Display a list of known drivers...** instead of **Search for a suitable driver...** when the options appear
8. You should now have more default driver options, select the **Centennial PCMCIA Memory Card** driver from listed manufacturer **Centennial Technologies, Inc.** (other drivers may work, but the Centennial driver was used successfully in testing)
9. Click **Yes** on the Update Driver Warning message, continue and click **Finish** to complete the setup process, click **Ok** from the properties window then **Yes** from the restart Windows message
10. When Windows restarts, you should see a new drive letter and icon from "My Computer" or Windows Explorer

Windows XP Work Around for PC Card SRAM

SRAM Cards do not come with drivers, it has always been the OS vendor's responsibility to include support for these devices. Unlike previous versions of Windows, SRAM drivers traditionally included on Windows distributions are not included with Windows XP. The following information explains a work around to get Windows XP to recognize and use PC Card SRAM. Be certain Windows XP is up to date with the latest Service Packs and the host hardware correctly supports PC Cards.

Please note that this provides a work around as a customer service and does not guarantee that will work with every system configuration.

1. Insert the SRAM card into the PC Card slot

2. When the 'Hardware Wizard' appears, select '**Install from a list or specific location (advanced)**'
3. Click 'Next'
4. Select '**Don't search I will choose the driver to install**'
5. Click 'Next'
6. Scroll through the list of choice and select '**PCMCIA and Flash memory devices**'
7. Click 'Next'
8. Double click '**generic**' under the Manufacturer listing
9. Select '**Generic PCMCIA Memory Card**' from the Model listing
10. Click 'Next'
11. Click the 'Yes' button when the warning dialog appears, to dismiss it
12. Click 'Finish' when the 'Completing the found new hardware wizard' dialog appears