



Hints and tips

IBM Microdrive™

CF+ Type II



Models: DMDM-10340
DMDM-10170

Hints and tips

Described below are issues that may arise when installing the IBM Microdrive in various devices. Please use this information in conjunction with your system and operating system documentation. If you require further help, please contact the IBM Hard Disk Drive Technical Support Center.

Palm-size PCs (PPCs) with Windows CE

Some PPC's which use Windows CE may power down if the drive is installed while the PPC is using battery power. Such PPCs do not provide sufficient power for the drive and they enter suspend mode. To use the Microdrive with this device, the device must run on external power.

Handheld PCs (HPCs) with PC card using Windows CE

In some HPCs which use Windows CE 2.0 and are equipped with a PCCard slot a storage card folder does not appear when the drive is inserted into the PCCard slot. An "Unidentified PCCard Adapter" message also appears. The device does not wait until the drive is accessible. The solution is to upgrade to CE Core System version 2.11.

Handheld PC requests formatting a drive already formatted

Some Windows CE Handheld PCs do not provide the Microdrive with sufficient power to become ready. You may get a message asking you to format your drive which has already been formatted. If you select NO, the Storage Card folder will not be present. If you select YES, an error will occur on the format operation, usually Error 31. You must contact the system provider for a solution.

No drive letter is assigned in Notebook PC using Windows 95 or 98

In some instances a drive letter is not assigned to the drive when it is in the PCCard slot on boot-up. To address the problem, try turning off the system, removing the drive, and performing either of the following operations:

If the drive has not yet been used in the system

- Insert the Microdrive after the system is completely booted. Windows will then run the hardware Plug and Play Wizard to configure the drive.
- Insert the diskette that is supplied with the drive into the floppy drive. Ensure that the floppy drive option is selected in the Add New Hardware Wizard window. Click Next.
- Make sure Updated Driver option is selected. Click Next several times until installation is complete.

If the drive has already been used in the system

- Download and execute the Installation Package for Windows 95/98 provided for the IBM Microdrive. It is available at

<http://www.storage.ibm.com/techsup/hddtech/mddwnld.htm>

If no drive letter is assigned to the Microdrive on hot-plug, there may be a resource conflict preventing it from using the system resources needed to operate. To determine if there are resource problems it is necessary to view the properties for the Microdrive hard disk controller entry in the Device Manager in System Properties. The Microdrive will require an IRQ and a valid I/O Address Range. If either of these resources has a conflict or is missing, the Operating System will not know how to use the drive.

Notebook PCs with Windows NT

Windows NT 4.0 is not a plug-and-play operating system, therefore PC Cards are not hot-pluggable without additional support. In order for the Microdrive to operate with Windows NT the drive must be present on boot-up or software must be installed that will detect its insertion. Consult the notebook manufacturer for updated PC Card device drivers or for software that will enable hot-plugging of PC Card devices.

Difficulty inserting or removing the Microdrive from a device

- *The CF Type I slot*
The IBM Microdrive is designed for the 5 mm CF+ Type II slot and does not support the 3 mm CF Type I slot.
- *The CF+ Type II slot*
There may be difficulty removing the IBM Microdrive from a CF+ Type II slot if there is no eject mechanism.



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IBM Technology Group Support Center
Telephone: 888.426.5214 or 507.286.5825
E-mail: drive@us.ibm.com

Singapore Technology Group Support Center
Telephone: (65)6418.9595 or 1800.418.9595
E-mail: drive@sg.ibm.com

UK Technology Group Support Center
Telephone: 44.1475.898.125
E-mail: drive@uk.ibm.com

Germany Technology Group Support Center
Telephone: 49.7032.153050
E-mail: drive@de.ibm.com

IBM Storage Systems Division
5600 Cottle Road
San Jose, CA 95193
www.ibm.com/storage

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05-2000
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Produced by the IBM Technology Group Support Center.

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Date: 23 May, 2000