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# Safety instructions

## Safety and installation

Please read this chapter carefully and observe all listed notes. This will ensure reliable operation and long life expectancy of your product. Keep these instructions with your product at all times. In the event that you transfer ownership of this product, please provide these instructions to the new owner.

- Never allow children to use electronic devices unsupervised. Children may not always correctly identify potential hazards.
- Hard disks are extremely **fragile**. Never drop or shake the hard drive - this could irreversibly damage the data on the hard disk. Be **especially careful when transporting** the hard disk. We provide **no guarantee** for this type of damage.
- The hard drive can **become** very **warm** after prolonged use. handle the hard drive via the two black plastic caps to avoid transmitting the heat through to your hands.
- The hard drive consumes energy and becomes very warm during operation. Remove the hard drive from the data dock or from the plug power supply unit when not in use.
- Follow the user guide for your PC.
- **Do not insert any objects** through the slits and openings **into the interior of the hard disk**. This could lead to a short circuit or even cause a fire.
- Never open the hard disk casing. If you do so, the hard disk will no longer be covered by the guarantee.
- The hard disk is not designed for use in commercial applications/situations.
- After **transportation**, wait until the equipment is at room temperature before turning it on. If there is a large difference in temperature or humidity, damp can build up through condensation and cause an **electrical short circuit**.
- Keep your hard disk and all connected equipment away from **damp** and avoid **dust, heat** and direct sunlight in order to prevent operational problems.
- In order to avoid damage from a fall, place the hard disk on a stable and level surface which does not vibrate.
- Route the cable so that no one can step on it or **stumble** over it.
- To avoid damage to the cable **do not place any objects or furniture on it**.
- The slits and openings in the hard disk are for air circulation. Do not cover these openings, as this could lead to overheating.
- For additional safety, we recommend using power connection through a power surge protection unit in order to protect your equipment from power surges and lightning strikes.

- The voltages and interfaces used in the equipment are in line with the low voltage protection guidelines set out in EN60950. Connections to other equipment may only be made using similar interfaces with low voltage protection in accordance with EN 60950.
- Please use our Service Center if you have any technical problems with your hard disk. If repairs are needed, please use exclusively our authorised service partners.
- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly in the course of time. We recommend that you ventilate the room regularly, in order to counteract the formation of the smell.

## Electromagnetic compatibility/Conformity

This device fulfils the requirements of electromagnetic compatibility and electrical safety of the following:

<b>EN 55022</b>	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
<b>EN 55024</b>	Information technology equipment - Immunity characteristics - Limits and methods of measurement
<b>EN 61000-3-2</b>	Electromagnetic compatibility (EMC) - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
<b>EN 61000-3-3</b>	Electromagnetic compatibility (EMC) - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16 A per phase and not subject to conditional connection
<b>EN 60950</b>	Safety of information technology equipment

- Make sure that it is located at least **one meter away** from sources of high frequency and magnetic **disturbance** (TVs, speakers, mobile telephones, etc.) in order to avoid operational problems and data loss.

# Power supply



- Do not open the power adapter housing. When the housing is open there is a **danger** of severe electric shock. It contains no user-serviceable parts.
- The power socket must be in the vicinity of the device and within reach of the power adapter cables. **DO NOT** stretch the power cables tightly to reach a power socket.
- To disconnect your device from the power source remove the power cord from the power socket. Always hold the power supply unit firmly when taking it out. Never pull the lead power cable.
- Only use the power supply unit (FSP P/N: FSP024-DEFB2).
- Stop using the power supply unit if the housing or the feed line to the device is damaged. Replace it with a power supply unit of the same type.
- Only use the power supply unit at earthed power points with **AC 200-240V~, 50 Hz**.
- To avoid power consumption when the device is switched off either pull out the power plug when the device is not in use or connect the device to a master-/slave power bar.
- If using an extension cord, make certain that it meets your local safety requirements. If in doubt, consult a qualified electrician.
- To provide additional protection against electric shock, power surges, lightning strikes, or other electrical damage to your device, we recommend the use of a **surge protector**.

# FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables, if any, must be used in order to comply with the emission limits.

# Cleaning

- As a rule, it is not necessary to clean the equipment. Before cleaning, always pull out the plug and all connection cables.
- Do not use any **solvents, corrosive** or **gaseous** cleaning products.

## Caution!

This equipment does not include any parts that need servicing or cleaning.

# Disposal



Device ██████

At the end of its life, the appliance must not be disposed of in household rubbish. Enquire about the options for environmentally-friendly disposal.



Packaging

All packaging and packaging materials that are no longer required can and should be recycled.

# Data security

Every time you update your data make back-up copies on an external storage medium. There is no liability assumed for data loss or damage to data storage units, and no claims can be accepted for damages resulting from the loss of data or consequential losses.

# What's in the box?

Please check to ensure that the below mentioned parts are in the box and inform us if anything is missing.

- External 3.5" hard disk in compact casing
- USB 2.0/1.1 connection cable
- Power supply unit (FSP P/N: FSP024-DEFB2)
- User guide, guarantee documents

# System requirements

- **Operating system** Windows® Vista/Windows XP/Windows®7
- **Connection** USB  
External SATA interface

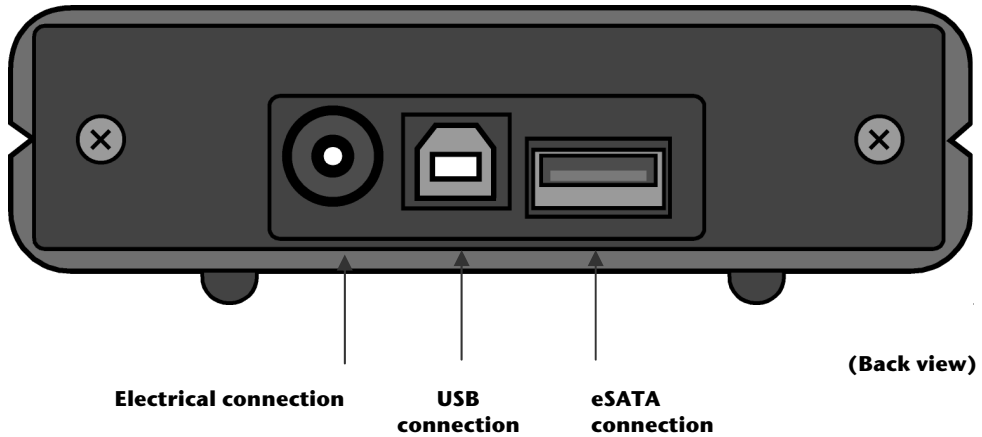
# Setting up

## Connecting the cables

Connect the external hard disk to your computer using a free USB port or an external SATA connection.

The difference between those two ports is the transmission speed.

Using a USB 1.1 port instead of a USB 2.0 port means a slower transmission speed. The external SATA connection offers a faster transmission speed than through USB.



1. Start your computer and wait until Windows<sup>®</sup> has been fully loaded.
2. Connect the USB cable to the USB connection on your external hard disk.  
**Or**  
Use a suitable eSATA cable (not included) if your PC has an external SATA interface.
3. Connect the other end of the connection cable to your computer.
4. Now connect the power adaptor to a power socket that can easily be reached. Plug the rounded DIN end of the power adaptor into the corresponding socket in the hard disk.
5. The operating indicator (blue LED) will light up as soon as the hard drive is connected to a source of electricity.
6. With Windows<sup>®</sup> Vista/XP/ Windows<sup>®</sup>7 the hard disk is now automatically recognized and connected.



# Installing the hard disk

## Note

Your drive has already been set up in the factory. It will **not be necessary** to reformat or repartition it.

## Caution!

Partitioning or formatting a disk drive deletes data. We assume **no responsibility** for lost data.

## Before you install your hard disk ...

We would like to remind you once again that when installing the new hard disk some programs are used that could cause your data to be irreversibly lost if used incorrectly.

**Make a backup of all your data and check that the recovery procedure works.**

## Partitioning programs

With Windows® Vista/XP/7 use the **Windows Disk Management Tool** help program in order to install the hard disk. You can find the program in the **computer management**. With some operating systems you must have administration rights to install a hard disk. Look under help in Windows for detailed information on using this program.

## Partitioning the drive

Partitioning a drive divides the space into different areas which can be accessed as separate logical drives (with letters C:, D:, E: etc.). Read your PC operating system manual to find out how to partition hard drives.

## Formatting the drive

In order to remove data from the hard disk, the partitions must be formatted.

## Caution!

You must be totally sure about which drive letter to enter so that you don't format a drive that contains data you wish to keep.

You can carry out the formatting using Windows® Explorer (right click on the drive and select format).

The following section outlines the various options available when formatting your hard drive.

## Choosing between NTFS, FAT, and FAT32

When you use Windows® Vista/XP/ Windows®7 and Windows 2000 you can choose between three file systems for disk partitions: NTFS, FAT, and FAT32. Use the information below to compare the file systems. NTFS is the recommended file system for the following reasons:

NTFS is more powerful than FAT or FAT32, and includes features required for hosting Active Directory as well as other important security features. You can use features such as Active Directory and domain-based security only by choosing NTFS as your file system.

It is easy to convert partitions to NTFS. The Setup program makes conversion easy, whether you use partitions FAT, FAT32, or the older version of NTFS. This kind of conversion keeps your files intact (unlike formatting a partition). If you do not need to keep your files intact and you have a FAT or FAT32 partition, it is recommended that you format the partition with NTFS rather than convert from FAT or FAT32. Formatting a partition erases all data on the partition and allows you to start with a clean drive.

Whether a partition is formatted with NTFS or converted using the convert command, NTFS is the better choice of file system. (For more information about Convert.exe, after completing Setup, click Start, click Run, type cmd, and then press ENTER. In the command window, type help convert and then press ENTER.)

In order to maintain access control on files and folders and support limited accounts, you must use NTFS. If you use FAT32, all users will have access to all files on your hard drive, regardless of their account type (administrator, limited, or standard.)

NTFS is the file system that works best with large disks. (The next best file system for large disks is FAT32.)

There is one situation in which you might want to choose FAT or FAT32 as your file system. If it is necessary to have a computer that will sometimes run an earlier version of Windows and other times run Windows XP, you will need to have a FAT or FAT32 partition as the primary (or startup) partition on the hard disk. Most earlier versions of Windows cannot access a partition if it uses the latest version of NTFS. The two exceptions are Windows 2000 and Windows NT 4.0 with Service Pack 4 or later. Windows NT 4.0 with Service Pack 4 or later has access to partitions with the latest version of NTFS, but with some limitations: It cannot access files that have been stored using NTFS features that did not exist when Windows NT 4.0 was released.

For anything other than a situation with multiple operating systems, however, the recommended file system is NTFS.

### **Important**

Once you convert a drive or partition to NTFS, you cannot simply convert it back to FAT or FAT32. You will need to reformat the drive or partition which will erase all data including programs and personal files on the partition.

The following table describes the compatibility of each file system with various operating systems.

<b>NTFS</b>	<b>FAT</b>	<b>FAT32</b>
<p>A computer running Windows Vista/XP/ Windows®7 or Windows 2000 can access files on an NTFS partition. A computer running Windows NT 4.0 with Service Pack 4 or later might be able to access some files. Other operating systems allow no access.</p>	<p>Access is available through MS-DOS, all versions of Windows, Windows NT, Windows 2000, Windows XP, Windows Vista, Windows®7 and OS/2.</p>	<p>Access is available only through Windows 95 OSR2, Windows 98, Windows Millennium Edition, Windows 2000, Windows XP, Windows Vista and Windows®7..</p>

The following table compares disk and file sizes possible with each file system.

<b>NTFS</b>	<b>FAT</b>	<b>FAT32</b>
<p>Recommended minimum volume size is approximately 10 megabytes (MB). Volumes much larger than 2 terabytes (TB) are possible. Cannot be used on floppy disks.</p>	<p>Volumes from size up to 4 gigabytes (GB). Does not support domains.</p>	<p>Volumes from 512 MB to 2 TB. In Windows XP, you can format a FAT32 volume up to 32 GB only. Does not support domains.</p>
<p>File size limited only by size of volume.</p>	<p>Maximum file size is 2 GB.</p>	<p>Maximum file size is 4 GB.</p>

## Deleting hard disks from the system

Depending on the operating system, the external hard disk must be disconnected before it can be deleted. Read how this works in the help files of your operating system.

1. Disconnect the hard disk from the operating system.
2. Now unplug from main power and disconnect all the connection cables from the external hard disk.

### Caution!

While accessing the hard disk, the hard disk must not be deleted or turned off. This can lead to data loss.

You can see that data is being transmitted when the **LED display flashes blue**. When the LED display is **constantly blue**, no data is being transmitted. However, you should make sure that all files that you have opened from the hard disk (documents, etc.) have been closed again before you delete or turn off the hard disk.

The hard drive can **become** very **warm** after prolonged use. Please handle the hard drive via the two black plastic caps to avoid transmitting the heat through to your hands.

# Customer service

## Requirements for optimal performance:

- a stable, virus-free computer
- a correctly installed operating system
- cables correctly attached to the hard disk
- regular execution of the Windows® **defragmenter** and **scandisk** programs to remove sources of error and increase the system performance.

Defragmenting your hard drive can take some time (several hours even on a fast PC), and you cannot use your PC during this time. It's advised that you leave your PC defragmenting over night. To defragment your drive in Windows XP:

1. Close down all applications and disable your virus scanner if possible. Also switch off any screensavers.
2. Click Start and then Programs->Accessories->System Tools->Disk Defragmenter
3. Select a drive and click Analyze.
4. Defragment if your PC recommends it.

ScanDisk is not present in Windows XP. Instead, use Check Disk.

To start Check Disk:

1. Open My Computer, right-click a drive, and then click Properties.
2. On the Tools tab, under Error-checking, click Check Now

Sometimes Defragmenter or Scandisk works on 10% or 30% of a hard drive and then pauses. This is usually caused by Windows programs running in the background. If this happens, you can prevent Windows from running processes in the background. To run ScanDisk/Defrag successfully:

1. Go to **Start->Run** and type **msconfig** in the Open: box.
2. On the General tab, uncheck all items listed under **Selective startup** (make sure that **Selective startup** is selected).
3. Hit **apply** and **OK** and restart Windows. This starts Windows with only the basics running; This insures nothing will interfere with ScanDisk and Defragmenter.
4. Run ScanDisk and Defrag.
5. Go to **Start->Run** and type **msconfig** in the Open: box. Select Normal Startup.
6. Restart Windows.

## Troubleshooting

**PROBLEM:** Windows stops responding when I disconnect the external hard drive.

**ANSWER:** This may occur because Windows is trying to access a file that is in the external hard drive. Make sure that none of the files on the disk are open when you unplug the drive. Be sure to stop the drive before disconnecting the power or adapter cable to prevent any data loss.

**PROBLEM:** The drive is not recognised by my computer.

**ANSWER:** Restart your computer.

**PROBLEM:** The hard drive does not seem to have as much storage capacity as I allocated.

**ANSWER:** Check that your operating system and file system support the desired amount.

**PROBLEM:** ScanDisk reports an unrecoverable error.

**ANSWER:** The Scandisk program tests drives for errors. If ScanDisk finds a problem and is unable to fix it, there may be a problem with the hard disk

## If you need further assistance

If the troubleshooting suggestions in the previous section have not solved your problem, please contact our helpline. We will try and help you over the telephone. However, before you contact your nearest MEDION Technology Centre, please have the following information available:

- How is your computer configured?
- What additional peripherals do you use?
- What messages, if any, appear on your screen?
- What software were you using when the error occurred?
- What steps have you already undertaken to solve the problem?
- If you have already been given a customer number from a previous call to us, please have this available.

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