

MEDION®

User Manual

Multimedia PC
High Performance PC
miniPC
MEDION®

Table of Contents

1.	Information about these operating instructions	5
1.1.	Key to symbols	5
1.2.	Proper use	7
1.3.	Trademark information	7
2.	Safety information	8
2.1.	Dangers for children and people with reduced ability to operate devices	8
2.2.	Operating safety	8
2.3.	Never carry out repairs yourself	10
2.4.	Data backup	10
2.5.	Mains cable and power supply	10
2.6.	Mouse	11
2.7.	Audio connections.....	12
2.8.	Optical drive.....	12
3.	Setting up the PC	13
3.1.	Installation location.....	13
3.2.	Ambient conditions.....	13
3.3.	Ergonomics.....	13
4.	Connection	15
4.1.	Connecting the cables	15
4.2.	Connecting the monitor	16
4.3.	Connecting HDMI devices	16
4.4.	Connecting USB devices*	17
4.5.	Connecting audio output/headphones/speakers*	17
4.6.	Connecting a microphone*	18
4.7.	Connecting audio input/recording source*	19
4.8.	Connecting a network (LAN).....	19
4.9.	Connecting the power supply.....	19
5.	First use	21
5.1.	Operating LED responses	21
5.2.	Starting up the PC.....	21
5.3.	Activating antivirus software*	23
6.	Mouse	23
6.1.	Left button	23
6.2.	Right button	23
6.3.	Scroll wheel	23
7.	Keyboard	24
7.1.	The Alt, Alt Gr and Ctrl buttons	24
7.2.	The F1 to F12 and Fn keys	24
8.	Hard drives	25

8.1.	Important directories.....	26
8.2.	Hot-swap mobile rack*.....	27
9.	Optical drive*.....	28
9.1.	Load disc.....	28
9.2.	Removing the disc.....	29
9.3.	Emergency removal of a blocked disc.....	29
9.4.	Playing/reading discs.....	30
9.5.	Handling blank CDs and DVDs.....	30
10.	Card reader.....	31
10.1.	Inserting the memory card.....	31
10.2.	Removing memory cards.....	31
11.	Sound system.....	32
12.	Network operation.....	32
12.1.	Network connection.....	32
12.2.	Wireless LAN (wireless network)*.....	32
12.3.	Bluetooth®*.....	34
13.	System recovery/settings.....	34
13.1.	Resetting the PC to its factory settings.....	34
13.2.	System recovery with Windows recovery options.....	35
13.3.	UEFI firmware configuration.....	36
14.	FAQ – frequently asked questions.....	37
15.	Customer services.....	38
15.1.	Initial help in the event of hardware problems.....	38
15.2.	Finding the cause.....	38
15.3.	Faults and possible causes.....	38
15.4.	Do you need more help?.....	39
15.5.	Driver support.....	39
16.	Transport.....	39
17.	Cleaning and care.....	39
18.	Storage.....	40
19.	Upgrades/modifications and repairs.....	40
19.1.	Information for service technicians.....	40
20.	Recycling and disposal.....	41
21.	Service information.....	43
22.	Legal Notice.....	45
23.	Privacy statement.....	46
24.	Index.....	47

1. Information about these operating instructions



Thank you for choosing our product. We hope you enjoy using this device.

Read the operating instructions and safety instructions carefully before using the device for the first time. Note the warnings on the device and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the device or give it away, please ensure that you also pass on these operating instructions. They are an essential component of the product.

These instructions include descriptions for various PC models and their features. Device-specific specifications for your model are detailed in the supplied supplementary sheet.

1.1. Key to symbols

If a block of text is marked with one of the warning symbols listed below, the hazard described in that text must be avoided to prevent the potential consequences described there from occurring. Depending on the model, warning symbols may not apply or may not be present.



DANGER!

Warning: risk of fatal injury!



WARNING!

Warning: risk of possible fatal injury and/or serious irreversible injuries!



WARNING!

Warning: risk of electric shock!



WARNING!

Warning: danger due to loud volume!



CAUTION!

Warning: risk of minor and/or moderate injuries!



Due to the 5 GHz frequency range of the wireless LAN solution used, the device may only be used inside buildings in the EU.



NOTICE!

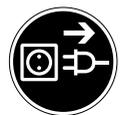
Follow these instructions to prevent damage to the device!



Additional information on using the device!



Comply with the notes in the operating instructions.



Pull out the mains plug before opening

To avoid short-circuits and electric shocks, the mains plug must always be disconnected from the power supply when cleaning or carrying out maintenance and repairs to electrical equipment.



CE labelling

Products that feature this symbol meet the requirements of the EU directives (see chapter entitled “Declaration of conformity”).



Symbol for direct current



Symbol for AC current

- Bullet point/information on steps during operation
- ▶ Instruction to be carried out

1.2. Proper use

This is an information electronics device.

This device is intended for the use, management and editing of electronic documents and multimedia content and is only intended for personal use, not industrial/commercial use.

Note that no liability will be accepted if the device is not used for its intended purpose:

- Do not modify the device without our express agreement and do not use any accessories that have not been supplied or approved by us.
- Only use replacement parts or accessories that we have supplied or approved.
- Comply with all the information in these operating instructions, especially the safety information. Any other use is considered improper and can cause personal injury or property damage.
- Do not use the device in extreme environmental conditions.

1.3. Trademark information

- Windows® is a registered trademark of Microsoft®.
- Intel®, the Intel® Logo, Intel Inside®, Intel Core®, Ultrabook™ and Core Inside® are trademarks of the Intel® Corporation in the USA and other countries.
- AMD is a registered trademark of Advanced Micro Devices, Inc..
- The HDMI logo  and High Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC.
- The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. and are used by Lenovo/Medion under license.
- USB is a registered trademark of USB Implementers Forum Inc.
- Other trademarks are the property of their respective owners.

2. Safety information

2.1. Dangers for children and people with reduced ability to operate devices

This device may be used by children over the age of 8 and by persons with limited physical, sensory or mental abilities or by those without experience and knowledge, if they are supervised or have been instructed in the safe use of the device and have understood the dangers that result from it.

- Children must be supervised to ensure they do not play with this device.
- Cleaning and user maintenance may not be carried out by children unless they are supervised.
- Keep the device and accessories out of reach of children.



DANGER!

Risk of choking and suffocation!

The packaging material is not a toy!

Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

- ▶ Keep packaging material such as plastic film or plastic bags away from children.

2.2. Operating safety

Read these installation instructions carefully and comply with the information provided in them. This will ensure that your PC works reliably and has a long service life.

If there is visible damage to the housing, connection cable or mains adapter, the device may not be used. This is to avoid hazards.

Liquids penetrating the device may impair the electrical safety of the product.

- ▶ Avoid exposing the device to water droplets or spray and do not place any liquid-filled containers (vases or similar) on or next to the device or the power pack.

The slots and openings on the PC are for ventilation purposes.

- ▶ Do not cover these openings as this could cause overheating or even fire.
- ▶ When setting up the PC, ensure a minimum clearance of 20 cm on all sides.
- ▶ Do not insert anything into the PC through the slots or openings. This could result in an electric short-circuit, electric shock or even fire, which will cause damage to your PC.

There is a risk of electric shock or fire when the PC housing is open.

- ▶ Never open the PC housing!
- ▶ Never operate the PC when the housing is open.



DANGER!

Risk of electric shock!

There is a risk of electric shock or fire when the PC is open.

- ▶ Never open the housing of the device or mains adapter.
- ▶ Never operate the device when the housing is open.
- ▶ Never manipulate the mains adapter or live components.

The optical drive (CD-RW, DVD, DVD RW) is classified as Class 1 laser equipment.

- ▶ Do not remove the drive cover, because invisible radiation can escape uncontrolled.

Turn off the PC immediately/do not turn on the PC in the first place and contact customer services if...

- the mains adapter or PC produces unusual noises or smoke.
- the mains cable or the attached plug is scorched or damaged.
- ▶ Replace defective mains cables with original parts only. These parts should not be repaired under any circumstances.
- the PC housing is damaged or liquid has penetrated it.
- ▶ Have the PC checked first by the customer service department. Otherwise, it may not be possible to safely operate the PC and there may be a risk to life due to electric shock.

2.3. Never carry out repairs yourself



WARNING!

Risk of electric shock!

There is a risk of electric shock if repairs are not carried out properly.

- ▶ Never open the device housing.
- ▶ Never attempt to open or repair the device yourself.
- ▶ In the event of a fault, contact the Service Centre or another suitable professional repair workshop.

2.4. Data backup



Back up your data to external storage media before each update. We do not accept any liability for claims for compensation arising from loss of data or any consequential loss or damage.

2.5. Mains cable and power supply

- Only connect the device to a properly installed and easily accessible socket that is close to where you are using the device. The local mains voltage must correspond to the technical specifications for the device.

-
- The mains socket must be easily accessible so you can unplug the device from the mains quickly if necessary.
 - When unplugging, always hold the plug itself and never pull on the cable.
 - Never touch the mains plug with wet hands.
 - Pull out the mains plug during thunder storms and remove the network cable and aerial cable (if present) in particular. For additional safety, we recommend using a surge protection device to protect the PC against damage due to voltage spikes or lightening strike from the power supply.
 - Fully unwind the cable during use.
 - You must position the mains cable and extension cable so that no one can trip over them.
 - The cable may not touch any hot surfaces.
 - Position the cables so that no one can tread on them or trip over them.
 - Do not place any objects on the cables as they may be damaged.

2.6. Mouse



WARNING!

Risk of injury!

Prolonged or improper treatment of the LED on the bottom of the mouse can damage your eyes.

- ▶ Never look at the laser beam, either directly or using optical instruments.

- The mouse is not a toy. Keep it away from children and animals.
- Protect the mouse from extreme temperatures, direct sunlight, strong vibrations, high humidity and moisture.
- Do not expose the mouse to mechanical stress; impacts, shocks or the fall from even a low height can damage it.

-
- Stop using the mouse and protect it against unauthorised use if there is evidence of visible damage or it no longer works properly.

2.7. Audio connections



WARNING!

Damage to hearing!

Listening to a device at high volumes when using headphones or earphones and changing the basic settings of the equaliser, the driver, the software or the operating system creates excessive sound pressure and can result in damage to and/or loss of hearing.

- ▶ Before pressing play, set the volume to the lowest setting.
- ▶ Start playback and increase the volume to a comfortable level.

2.8. Optical drive



If your PC has an optical drive, the following information must be observed.

- The CD/DVD burner works using a laser. Do not open the housing of the CD/DVD burner under any circumstances.



NOTICE!

Risk of damage!

The high speeds in the drive may break defective media and damage your device. Damage resulting from defective media is not covered under the warranty and fees will be charged for the repairs.

- ▶ Do not use scratched, broken, dirty or poor quality discs or special types of discs.

-
- ▶ Do not stick a protective film or any other stickers on the discs, because the adhesive can damage the surface of the disc and corrupt data.
 - ▶ Inspect discs carefully before inserting them. If damage or dirt is apparent, you may not use this disc.

3. Setting up the PC

Setting up your PC correctly goes a long way towards ensuring comfortable operation.

3.1. Installation location

- Place all devices onto a stable, flat and vibration-free surface and only operate them on this type of surface in order to prevent the PC malfunctioning.
- Keep your PC and all connected devices away from moisture and avoid dust, heat and direct sunlight. This will help to avoid malfunctions or damage to the PC.

3.2. Ambient conditions

- The PC can be operated at an ambient temperature of +5°C to +30°C and at a relative humidity of 20% to 80% (non-condensing).
- When switched off, the PC can be stored at temperatures of between -40°C and 65°C.
- After transporting the PC, wait until it has reached ambient temperature before switching it on. Major changes in temperature or fluctuations in humidity can cause moisture to build up within the PC due to condensation – this can cause an electrical short circuit.

3.3. Ergonomics



Avoid glare, reflections and extreme dark-light contrasts to protect your eyes.

The monitor should never be placed close to windows, because this is where the workspace is illuminated the brightest by daylight. This brightness makes it more difficult for the eyes to adjust to the darker screen.

Always position the monitor with the line of sight parallel to the window front.

The parallel line of sight must also be maintained with regards to artificial lighting equipment. In other words, the same criteria and reasoning apply when the workspace is illuminated with artificial light.

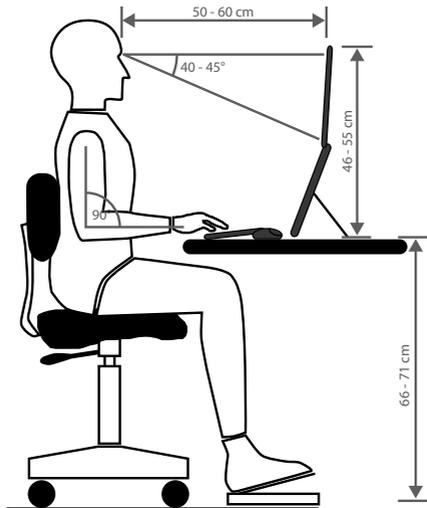
If it is not possible to position the monitor as described, the following measures may be helpful:

- swivel, lower or tilt the monitor
- slats or vertical net curtains on the windows
- partition walls or changes to the lighting equipment.



Take regular breaks when working at your monitor and perform relevant stretching exercises to avoid tension and fatigue.

Sitting for prolonged periods without changing position can be uncomfortable. Correct posture is very important for minimising the risks of physical injuries or damage.



- **General** – change position frequently (around every 20 to 30 minutes) and take regular breaks to avoid fatigue.
- **Back** – when sitting at your workstation, your back must be supported by your chair's backrest, which must be upright or angled slightly back.
- **Arms** – your arms and elbows should be comfortable and relaxed. Your elbows should be close to your body. Hold your forearms and hands roughly parallel to the floor.
- **Wrists** – when working with the keyboard, mouse or trackball, wrists should be elongated and bent at an angle of no more than 10°. Take care to ensure that your wrists do not rest directly on the edge of the table.
- **Legs** – your thighs should be horizontal or angled slightly downwards. The lower legs should form an angle of approx. 90° to the thighs. Your feet should rest flat on the floor. Use a footrest if you need one, but first ensure that your seat height has been adjusted correctly.

-
- **Head** – your head should be upright or bent slightly forward. Do not work with your head or upper body twisted.
During work, the top edge of the monitor should be at or slightly below eye level.
The size of the distance between the monitor and the viewer depends on individual requirements. Distances between 50 and 70 cm are commonly used.

4. Connection



The connections and equipment features shown are **not** necessarily part of the package contents or PC equipment.

All connections and technical equipment marked with an asterisk* may vary depending on the model; the available connection and equipment features are detailed in the supplied data sheet. You can skip over items that are not applicable.

4.1. Connecting the cables

Follow the instructions below to connect your PC correctly and safely:

- Keep the device at a distance of at least one metre from sources of high-frequency or magnetic interference (televisions, speakers, mobile telephones, DECT telephones etc.) to avoid malfunctions and data loss.
- Please note that only shielded cables that are shorter than 3 metres may be connected to the external interfaces of this PC. Use only double-shielded cables for printer cables.
- Position the cables so that no one can tread on them or trip over them.
- Do not place any objects on the cables as they may be damaged.
- Do not crush or bend the cable to avoid cable breaks, this can result in a short-circuit.
- Do not apply force when connecting cables and plugs and make sure that connectors are the right way round.
- The only devices which may be connected to the PC are those which meet the requirements set out in the EN60950 / EN62368-1 standard "Information Technology Equipment – Safety" or the EN60065 standard "Audio, video and similar electronic apparatus – Safety requirements".
- Connect peripheral devices, such as keyboards, mouse and monitor etc., only when the PC is switched off to avoid damage to the PC or the devices. Some devices may also be connected while the PC is running. This is often the case for USB devices. In all cases, ensure that the information provided in the relevant operating instructions is observed.
- When connecting your periphery devices, also ensure that you only use the connection cables supplied with those devices.
- Do not expose plug connections to impacts/pressure, e.g. from lateral forces. This could cause internal and external damage to the device.

-
- When you disconnect a cable from your device, pull it out by holding the plug and not the cable.
 - Do not exchange the supplied cable for another one. Use only the supplied cable as this cable has been extensively tested in our laboratory.
 - Take care to ensure that all connection cables are connected to their corresponding periphery device. Remove unnecessary cables to avoid interference radiation.
 - Pull out the mains plug during thunder storms and remove the network cable and aerial cable (if present) in particular. For additional safety, we recommend using a surge protection device to protect the PC against damage due to voltage spikes or lightning strike from the power supply.

4.2. Connecting the monitor

Your PC features a **VGA***-, **DVI*** connection, **DisplayPort*** and/or a **HDMI*** port. Additional monitors may also be connected, depending on the connections available.



NOTICE!

Risk of damage!

If your monitor has multiple inputs, only ever connect one data cable at a time to prevent signal mapping problems.

- ▶ Take care to ensure that the plugs and sockets fit together precisely in order to avoid any damage to the contacts. Due to its asymmetrical form, the plug will only fit into the socket in one position.
- ▶ Connect the corresponding data cable of the screen with the respective socket of the graphics system.
- ▶ Remove the white protective ring (if present) on the monitor plug.
- ▶ Tighten the screws hand tight when connecting a VGA or DVI device to the monitor cable.

4.3. Connecting HDMI devices

HDMI is an abbreviation for “High Definition Multimedia Interface”, which is an interface for the fully digital transfer of audio and video data.

- ▶ You can connect a monitor, TV or projector to this socket if it has a corresponding connection.

4.4. Connecting USB devices*



Do not connect your USB devices until you have finished the initial setup of your new PC. This will prevent any unnecessary interference during the installation. These devices can generally be connected while the PC is running. Please refer to the operating instructions for your peripheral device.

- Several connection sockets are available for you to use as desired.



NOTICE!

Risk of damage!

Due to the arrangement of the contacts, the plug will only fit into the socket in one position (with the exception of USB type C).

- ▶ Take care to ensure that the plugs and sockets fit together precisely in order to avoid any damage to the contacts.
- ▶ Plug the device (printer, scanner, camera etc.) into the appropriate socket.



Observe the operating instructions for your peripheral devices and always connect the devices to the required USB port with the corresponding connection cable.

Please note that the performance of the device can be limited or the device may not be supported when using a different USB port.



Where possible, always connect your peripheral devices to the same port that they were originally installed on. Otherwise they will be assigned a new ID and the drivers will need to be reinstalled.

4.5. Connecting audio output/headphones/speakers*

You can connect active speakers for playback or an audio connection cable for recording to these connections. Read the operating instructions for your stereo system to see which input you need to use (usually Line in or Aux).

- ▶ Plug the cable into the green socket on the back of the PC using the 3.5 mm stereo jack plug.

4.5.1. Connecting the headphones

- ▶ Plug the cable into the marked socket on the front of the PC using the 3.5 mm stereo jack plug.



WARNING!

Damage to hearing!

Listening to a device at high volumes when using headphones or earphones and changing the basic settings of the equaliser, the driver, the software or the operating system creates excessive sound pressure and can result in damage to and/or loss of hearing.

- ▶ Before pressing play, set the volume to the lowest setting.
- ▶ Start playback and increase the volume to a comfortable level.

4.5.2. PCs with surround sound (Surround)

Connect a surround sound system as follows:

- ▶ Insert the cable for the front speaker into the **green socket**.
- ▶ Connect the speakers for the rear sound to the **blue socket**.
- ▶ Connect a central speaker or subwoofer to the **pink socket**.
- ▶ Connect an additional speaker for the rear sound area to the **black socket**.

Various surround sound speakers can also be connected depending on the connections available.

A digital audio output (SPDIF) may be connected using an optical or coaxial cable.

- ▶ Plug an optical cable into the optical socket or a coaxial cable into the coaxial socket.
- ▶ Connect the other end of the cable to an audio device with a corresponding digital input.

4.6. Connecting a microphone*

- ▶ Connect a microphone with a 3.5 mm mono jack plug to the marked socket on the front of your PC.
- ▶ Position the microphone so that it does not point directly at the speakers. This prevents acoustic feedback (perceptible by a loud whistling).

4.7. Connecting audio input/recording source*

This socket is used to connect external analogue audio sources (e.g. stereo system, synthesizer).

- ▶ Plug the connection cable with the 3.5 mm stereo jack plug into the light blue socket on the rear or the PC.

4.8. Connecting a network (LAN)

You can prepare your PC for network operation using the network socket.

A network cable usually has two RJ45 plugs meaning it does not matter which end is plugged into which socket.

- ▶ Plug one end of the network cable into the PC socket.
- ▶ Connect the other end to another PC or a hub/switch.

For more information see the chapter “Network Operation”.

4.9. Connecting the power supply

Finally, connect the power supply for your PC and the monitor.

- ▶ Connect the power supply cable to your PC’s power supply connection and then plug it into the socket.
- ▶ To completely disconnect the PC from the power supply, unplug the plug from the outlet.
- ▶ Only connect the device to a properly installed power outlet. The local mains voltage must correspond to the technical specifications for the device.
- ▶ The mains plug of the PC serves as a separating device. As long as the PC is connected to the power supply, the parts inside it also carry current when switched off.
- ▶ Please note that the device continues to use power when in standby mode (see also the relevant standby consumption in the “Technical data” section).
- ▶ To completely disconnect the PC from the power supply, unplug the plug from the outlet.

Please note the following safety instructions:



DANGER!

Risk of electric shock!

Even when the PC is switched off, some components are live.

- ▶ Remove the mains plug from the socket to disconnect your PC from the power supply or to completely isolate the device from voltage sources.
- ▶ The socket must be close to the PC and easy to access.
- ▶ Only operate the PC on earthed socket outlets of the household electricity network.
- ▶ Only use the power cable supplied.
- ▶ For additional safety, we recommend using a surge protection device to protect the PC against damage due to voltage spikes or lightning strike from the power supply.

Do not start up your PC yet!

- ▶ First read the next chapter for some helpful tips on initial operation.

5. First use

The operating system and all hardware drivers are already pre-installed. Once all connections have been established you can start up your PC:

5.1. Operating LED responses

Operating LED state	Meaning
LED permanently on	System in operation
LED is flashing	System in power saving mode
LED off	System is shut down

5.2. Starting up the PC

- ▶ Switch on the monitor.
- ▶ Press the On/Off switch once to switch on your PC.
The PC starts and runs through the various installation phases.



There should be no bootable disk (e.g. the recovery disc) in the optical drive as this will prevent the operating system from being loaded from the hard drive.

The loading process of the operating system takes a little longer during the initial setup. Once all the necessary data has been entered, the operating system will be set up. The operating system is fully loaded once the Windows® desktop appears.



NOTICE!

Loss of data!

The initial installation may take a few minutes. Do not switch off the PC during this process, this could have a negative effect on the installation.

- ▶ Do not unplug the PC from the mains or switch it off during the initial installation.
- ▶ Do not switch the PC off until after the installation has been completed successfully and the startup screen appears.

-
- ▶ Follow the instructions on the screen. Step-by-step instructions will guide you through the process to be followed.

The welcome procedure takes you through several screens and dialogues.

- ▶ Select your desired language and then the desired country.
- ▶ Connect to the Internet, if you have access to a respectively configured internet connection.

If you choose to skip this point, you can connect to the Internet later via the Windows® interface.

If you have already set up an Internet connection, you can now log in to your PC using a Microsoft account.

The Microsoft Store allows you to purchase new apps or update previously installed apps.

If you log in on a local account, you can set up a Microsoft account later at any time.

In the course of the initial installation, Windows will download and install one or several software updates. The download time varies depending on the internet connection and volume of updates.

Licence agreement

Please read through the licence agreement carefully. It provides important legal information about the use of your software product. To view the text in full, you must slide the scroll bar downwards using the mouse until you reach the end of the document. By clicking on the **Accept** option field, you agree to the contract. Only this entitles you to use the product in accordance with the terms and conditions.

The following animated windows simply contain information about using the new Windows® operating system.

No entries of any kind may be made during the animation. The Windows® interface appears after the login process.



NOTICE!

Loss of data!

In the first few days following the initial installation, Windows® may update and configure data (e.g. with new updates) which can result in delays in the PC shutting down and starting up.

- ▶ For this reason, do not switch the PC off prematurely. This may adversely affect the installation.

5.3. Activating antivirus software*

Antivirus software is installed on your PC. When the PC is connected to the Internet, the software is registered automatically. The free registration enables you to receive free updates for 30 days.



Do not install additional antivirus software, as this can limit the performance of the PC.

The operating system and antivirus software are updated automatically the first time an Internet connection is established. These processes usually take several minutes. During this time, the working speed of the computer may be limited but this is only noticeable for the initial setup.

6. Mouse

In addition to the two standard buttons, the mouse also features a third button in the scroll wheel.

6.1. Left button

Use the left button to make a selection (click once) and confirm this (double-click).

6.2. Right button

Use the right button to call up certain position commands (context menus).

6.3. Scroll wheel

The scroll wheel in the centre has two functions:

- You can use the wheel to scroll through long documents, e.g. websites or texts (scrolling).
- Depending on the configuration of the mouse, the wheel can also be used as a third button.

The scroll wheel can be configured via the mouse settings in the control panel.



If the mouse pointer cannot be moved smoothly across the screen, try using a different surface (mouse pad). Glass or metal surfaces may prove problematic.

7. Keyboard

7.1. The Alt, Alt Gr and Ctrl buttons

In addition to the usual letters and characters, the keyboard can also be used to input some special characters and execute certain commands, depending on the program. This special configuration is controlled with the **Alt**; **Alt Gr** and **Ctrl** buttons.

7.2. The F1 to F12 and Fn keys

The F1 to F12 function keys are used to execute certain commands or call up help systems. These commands and help systems vary depending on the program or operating system.

The **Fn** key and the function keys are used to call up various operating system functions or to control media playback. A table listing all of the available commands appears below.

7.2.1. Fn and function key assignment



Some of the functions listed in this table might not be available in your operating system.

	Description
Fn + F1	Internet Opens the default browser
Fn + F2	E-mail Opens the default e-mail program
Fn + F3	Favourites Opens the list of favourites in the browser
Fn + F4	My Computer Opens the My Computer window
Fn + F5	Search Calls up the Search function
Fn + F6	Enable/Share/Send Opens the Share function
Fn + F7	Device Opens the device add-on for wireless connections
Fn + F8	Settings Opens the Windows settings

	Description
Fn + F9	Previous track Jumps to the previous track during media playback
Fn + F10	Next track Jumps to the next track during media playback
Fn + F11	Play/Pause Starts playback of a track, pauses playback and resumes playback
Fn + F12	Stop Stops playback of a track
	Mute
	Reduce volume
	increase volume

8. Hard drives

The hard drives are your main storage medium that combines high storage capacity with rapid data access.

Your PC is supplied with an OEM version* of the Microsoft Windows® operating system which supports all of the PC's features. We have configured your PC's hard drive so that you will be able to work with it optimally without having to install any additional drivers yourself.

The Windows® operating system requires part of the capacity to manage the hard drive therefore the hard drive's full capacity is not available. This explains possible differences between the BIOS display and operating system display. The PC's operating system, other applications and security data are located on the hard drive, therefore the full capacity is already reduced.



NOTICE!

Loss of data!

Never try to switch off the PC while it is accessing the hard drive as this can result in the loss of data.

- ▶ Always switch off the PC using the shut down feature. To do so, press the **Windows button** and then select **Power -> Shut down.**

* Original equipment manufacturer/program versions purchased from the manufacturer which are usually sold in conjunction with end devices

8.1. Important directories



NOTICE! **Loss of data!**

Do not delete or modify these directories or their contents, otherwise data may be lost or system functionality may be impaired.

The first partition (**C:**) contains the operating system, the applications and the “Documents” folder for the configured users.

We have listed the most important directories below and described their contents.

C:\Users

This directory contains a folder per configured user. This folder contains all files and folders required for starting and operating Windows®; this is hidden for security reasons in the factory settings.

C:\Programs

This folder contains all files relating to the installed application.

C:\Windows

The main directory of the Windows® installation. This directory contains the operating system files.

You will also find additional directories for system recovery (Recover), troubleshooting (Tools) and subsequent installations or new installations (Drivers), as necessary, on your PC. These directories (Drivers, Tools & Recover) are not on the first partition (**C:**) but can instead be found on other partitions. Depending on the PC model, these partitions are designated **D:** or **E:**.



NOTICE! **Loss of data!**

Furthermore, the startup files for system restoration and the Windows® 8 installation files are located in non-rewritable partitions. These partitions are not visible and cannot be deleted.

8.2. Hot-swap mobile rack*

An additional external hard drive can be connected using a hot-swap SATA mobile rack for 2.5" or 3.5" hard drives.



Please bear in mind that only the mobile rack supplied can be used.

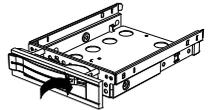
8.2.1. Installing a 3.5" hard drive in a 2.5"/3.5" mobile rack

The mobile rack is made of plastic and enables the hard drive to be installed without the need for tools.

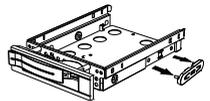
The 2.5"/3.5" mobile rack features a pre-mounted hard drive decoupler, comprising plastic as mountings.

Proceed as follows:

- ▶ Unlock the mobile rack by pressing the release lever.

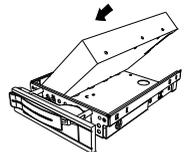


- ▶ Pull the mobile rack out of the slot.
- ▶ Place the mobile rack onto a firm surface with the open side facing upwards. If necessary, use a soft surface to minimise any knocks or collisions. The handle must be facing in your direction.
- ▶ Pull the hard drive decoupler out of the mobile rack.



- ▶ The upper side of the hard drive is face up and the contacts are to the bottom right. Now insert the hard drive at an angle into one side of the mobile rack.

Ensure that both small hooks on the mobile rack slide into the screw holes on the hard drive. Then carefully allow the hard drive to slide completely into the mobile rack.



- ▶ Press the hard drive decoupler back into the mobile rack. Ensure that both metal pins slide into the screw holes on the hard drive.



- ▶ Carefully slide the mobile rack into the slot until it clicks into place.
- ▶ Lock the mobile rack in place by pressing on the handle until it audibly clicks into place. The hard drive will be recognised and can now be used.

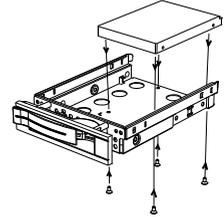
8.2.2. Installing a 2.5" SSD drive in a 2.5"/3.5" mobile rack

When installing an SSD drive, follow the first four steps in the previous instructions and then proceed as follows:

- ▶ The upper side of the hard drive is face up and the contacts are to the bottom right.

Now insert the right side of the hard drive into the mobile rack.

- ▶ Tightly hold the hard drive and the mobile rack, turn it over and use four M3 x 4 mm countersunk screws (not supplied) to screw the hard drive in place using the corresponding screw holes.



The hard drive decoupler does not need to be replaced because the hard drive has been sufficiently secured in place by the screws.

- ▶ Carefully slide the mobile rack into the slot until it clicks into place.
- ▶ Lock the mobile rack in place by pressing on the handle until it audibly clicks into place. The hard drive will be recognised and can now be used.

9. Optical drive*

9.1. Load disc



NOTICE! **Risk of damage!**

The high speeds in the drive may break defective media and damage your device. Damage resulting from defective media is not covered under the warranty and fees will be charged for the repairs.

- ▶ Do not use scratched, broken, dirty or poor quality discs or special types of discs.
- ▶ Do not stick a protective film or any other stickers on the discs, because the adhesive can damage the surface of the disc and corrupt data.
- ▶ Inspect discs carefully before inserting them. If damage or dirt is apparent, you may not use this disc.

9.1.1. In horizontal drive

- ▶ Press the eject button on the optical drive to open the tray.
- ▶ Insert the disc into the tray, label up, so that it lies flat.
- ▶ Press carefully against the drawer until the resistance is overcome and the drawer automatically returns into the optical drive.

9.1.2. In vertical drives

In contrast to optical drives in some desktop PCs, this PC uses a vertically installed drive similar to those in notebooks.

When inserting the disc, ensure that it is pressed precisely onto the holder and engages.

- ▶ Press the eject button on the optical drive to open the tray.
- ▶ Carefully press the disc onto the holder in the centre of the tray until it audibly engages. Take care to ensure that the labelled side is visible.
- ▶ Check whether the disc can rotate freely and then carefully slide the tray back out until it engages.

On delivery, your optical drive is assigned the drive letter “E:\”. You can easily access the data on your discs using Windows® Explorer (**Computer**).

- ▶ Run Windows® Explorer using the shortcut on the taskbar or by simultaneously pressing the Windows key and the “E” key.

When accessing DVD videos (or audio and video files on conventional data CDs), the pre-installed media player is used automatically.

9.2. Removing the disc



NOTICE!

Loss of data!

Do not try to remove the disc from the drive while the PC is accessing the optical drive.

- ▶ To remove the disc, press the eject button again.
- ▶ Take the disc out and place it in a CD case.
- ▶ Close the drive again.

9.3. Emergency removal of a blocked disc

If the tray no longer opens automatically, it can be opened manually.

- ▶ Shut down Windows® and switch off the PC.
- ▶ Insert a long sharp object (e.g. bent paper clip) into the emergency removal opening until you feel resistance.
- ▶ Apply light pressure to open the tray.
- ▶ Remove the disc and restart the PC.

9.4. Playing/reading discs



Many discs run automatically when they are inserted. This depends on the operating system and the relevant settings.

Your PC is capable of playing audio CDs, DVD films or data discs from the optical drive. Once a disc has been loaded, a dialogue box opens containing various playback options. Normally, there will be a number of different options available. Playback of DVD film titles includes decoding MPEG2 video, digital AC3 audio data and decoding CSS-protected content.

CSS (sometimes also referred to as Copy Guard) is the name of a data protection program used by the film industry to protect against illegal copying. Among the many controls for CSS licensees, the most important of the playback restrictions involve country-specific content. To make it easier to create geographically separate film releases, DVD titles are coded for specific regions. Copyright laws require that each DVD film be limited to a specific region (usually the region where it is sold). DVD film versions can be published in multiple regions but CSS rules require that each CSS decoder system may only be used for one region.



The region setting can be changed **up to five times** via the viewing software before the last setting becomes permanent. If you then wish to change the region setting again, this must be carried out by the manufacturer. Any shipping and configuration costs must be borne by the user.

9.5. Handling blank CDs and DVDs

Normal CDs are pressed by a glass master and then sealed. With blank discs, digital information is burned onto them using the drive's laser. They are therefore more sensitive than conventional discs.

Because of this, it is essential to avoid, particularly in the case of unused blanks:

- exposure to direct sunlight (UVA/UVB radiation)
- scratches and damage
- extreme temperatures

10. Card reader

Your PC features a card reader, you can use the following card types.

When inserting the memory cards, ensure that the contacts are pointing in the right direction, as specified in the list below. Inserting a card incorrectly may damage the card reader and/or the card.

Card type	Connection contacts
SD; SDHC (Secure Digital)	pointing downwards
MMC (MultiMediaCard)	pointing downwards
Memory stick	pointing downwards
Memory stick pro	pointing downwards

10.1. Inserting the memory card



NOTICE!

Risk of damage!

The memory cards can only be inserted in one direction.

▶ Please observe the instructions in the section above.

▶ Push the memory card into the card reader until it reaches the stop.

When a card is inserted into a slot, it will be assigned a free drive letter by the system (as long as it is removable storage).

10.2. Removing memory cards



NOTICE!

Loss of data!

Premature removal of the memory card can lead to loss of data.

▶ Always eject the memory card first using the relevant software actions.

▶ Pull the card out of the slot and store it properly.

11. Sound system

The external audio connections can be configured so that you can connect a surround sound system.

If you wish to change the default volume, click the loudspeaker icon in the task bar.



WARNING!

Damage to hearing!

Listening to a device at high volumes when using headphones or earphones and changing the basic settings of the equaliser, the driver, the software or the operating system creates excessive sound pressure and can result in damage to and/or loss of hearing.

- ▶ Before pressing play, set the volume to the lowest setting.
- ▶ Start playback and increase the volume to a comfortable level.

12. Network operation

12.1. Network connection

Connect one end with the RJ45 connection (connector) to the network interface of your computer and the other end to another computer or hub/switch. Refer to the Windows® help for more detailed explanations regarding the network.

12.2. Wireless LAN (wireless network)*

Your PC is equipped with WLAN. The components (module, aerials) are already integrated into your PC and enabled. You can disable this function using the Windows® device manager if required.

Wireless LAN enables you to establish a network connection to a corresponding remote station.

12.2.1. Restricted use

Always switch off the product in the following situations:

- in hospitals, clinics or other health centres and in all places in the immediate vicinity of medical equipment,
- in all places where there is a risk of explosion (e.g. petrol stations; in dusty environments, e.g. with metal dust),
- in places where it is compulsory to switch off radio-controlled equipment, e.g. on major construction sites or in places where blasting operations are carried out.



WARNING!

Danger from radio signals and electromagnetic radiation!

Radio signals and electromagnetic radiation can affect the functionality of sensitive electronic devices, such as pacemakers or implanted cardioverter defibrillators.

- ▶ Keep the product at least 20 cm away from these devices, as radio signals and electromagnetic radiation may affect their functionality.



The radio waves emitted may cause interference to hearing aids.

12.2.2. Data security

The manufacturer is not liable for data loss due to unsecured access by third parties.



Secure your WLAN network with suitable encryption so that third parties cannot access your data.

12.2.3. Requirements

A so-called WLAN access point can be used as a remote station. An access point is a radio-transmitting device that communicates with your PC and controls access to the connected network. LAN access points are frequently found in large offices, airports, train stations, universities and Internet cafés. They provide access to particular services and networks or to the Internet. Access permissions are generally necessary and often result in usage charges. Access points often have built-in DSL modems. These so-called routers establish the connection to the existing DSL Internet connection and the wireless LAN. A connection can also be established without an access point to another end device with wireless LAN functionality. Without a router, however, the network is restricted to those devices directly connected to it.

The wireless network connection works in accordance with the IEEE 802.11ac* standard and is compatible with the IEEE 802.11b/g standard.

If encryption is used for the transfer, the same procedure must be used for all devices. Encryption is a procedure to protect the network from unauthorised access. The transfer speed can vary depending on the distance and the number of users accessing the remote station.

* To make use of the full performance, a WLAN router compatible with the 802.11ac standard is required.



The use of encryption is crucial for wireless data transfer, as there is always the risk that data could be intercepted by an unauthorised third party.

12.3. Bluetooth®*

Bluetooth technology is designed to bridge short distances wirelessly. Bluetooth devices transfer data wirelessly, enabling computers, mobile phones, printers, keyboards, mice and other devices to communicate with one another without the need for cables.

The data transfer speed of the Bluetooth wireless technology may vary depending on the device or environmental factors. A Bluetooth device is able to transfer data through walls, coat pockets and briefcases. Data transfer between Bluetooth devices uses high frequency of 2.4 gigahertz (GHz).



Do not operate the Bluetooth function in areas where there are radio-sensitive devices (e.g. in hospitals, etc.). If you are unsure whether the use of these devices will result in damage or interference, disable this option.

13. System recovery/settings

13.1. Resetting the PC to its factory settings

In the event of problems with the installation or other software issues which make it necessary to reinstall the software, Windows® 8 offers three options for reinstalling Windows® 8 on your PC.

First ensure that you have backed up all important data and programs.

13.1.1. Starting system recovery*

- ▶ Start the PC and press F11 during the startup process to initialise **PowerRecover**.

or

- ▶ click on the **PowerRecover** app in the start menu to start the program.

You will be offered the following options:

- **Create driver and tool rescue media**
Backs up the driver and tools on a storage medium.
 - **Create driver and tool rescue media**
Creates a support disc.
 - **Create driver and tool rescue USB disk**
Creates a support USB storage medium.
- **Refresh your PC without affecting your files**
Updates the PC using the Windows restore options.

-
- **Keep my files**
Removes all apps and settings containing personal data.
 - **Remove everything**
Removes all data, apps and settings.
 - **Restore**
Restarts the PC and restores factory settings.
 - **Restore to HDD - no backup of user data**
Irretrievably deletes all data on the PC.
The factory settings will be restored.
 - **Restore to HDD - with backed up user data**
Restores the factory settings and backs up all user data under **C:\USERS**.
 - ▶ Click **Next** and follow the on-screen instructions to restore the factory settings.



NOTICE!

Loss of data!

The recovery process takes a long time when you select the option to back up user data. Only the data located in the C:\USERS folder will be backed up. All other data will be deleted.

- ▶ Therefore, always perform regular data backups onto an external data medium.
- ▶ We do not accept any liability for claims for compensation arising from loss of data or any consequential loss or damage.

13.2. System recovery with Windows recovery options

If problems occur with your device, you can refresh or reset it. Refreshing the device reinstalls Windows. Your personal data and settings will be retained.

Resetting the device reinstalls Windows. Your files, settings and apps will be deleted, with the exception of the apps pre-installed on the device.



If the PC is started incorrectly three times in a row, the windows recovery menu automatically appears.

13.2.1. To refresh your computer

- ▶ Open the start menu.
- ▶ Select the **Settings** app from the list.
- ▶ Click **Update and Security**.
- ▶ Click on **Recovery**.
- ▶ Click on **Get started**.
- ▶ In the selection window that opens, select the recovery option **Keep my files** to refresh the PC.

13.2.2. To reset your computer

- ▶ Open the start menu.
- ▶ Select the **Settings** app from the list.
- ▶ Click **Update and Security**.
- ▶ Click on **Recovery**.
- ▶ Click on **Get started**.
- ▶ In the selection window that opens, select the recovery option **Remove everything** to reinstall Windows completely.



If you have forgotten the Windows password for your device, you can also reset the PC by rebooting from the sign-in screen.

To do so, press and hold the toggle button and then select **On/off**  > **Restart** at the bottom right. Once the device has rebooted, select **Troubleshoot** > **Reset this PC**.

13.3. UEFI firmware configuration

The UEFI firmware configuration (the basic hardware configuration of your system) provides numerous configuration options for operating your PC.

For example, you can modify the operating mode for interfaces, security features or power supply management.



NOTICE! **Loss of data!**

The PC has already been configured by the manufacturer to ensure optimum operation. Modifications can affect the stable and safe operation of the system.

- ▶ Modifications may only be carried out by specialists or very experienced users.

13.3.1. Executing the UEFI firmware configuration

You can only run the configuration program upon system startup. If the PC has already been started, shut down Windows® and restart it.

- ▶ Before the PC reboots, press the **Del** key and hold it down until the message **Entering Setup** appears.

14. FAQ – frequently asked questions

Where can I find the necessary drivers for my PC?

- The drivers can be found in the second hard drive partition in the Drivers and Tools folders.

How do I activate Windows®?

- Windows® is activated automatically as soon as an internet connection is established.

How do I activate Windows® without an internet connection?

- Windows® can also be activated over the telephone. Follow the instructions shown on the operating system.

When is restoring factory settings recommended?

- This method should only be selected as a last resort. Read about the alternatives in the **System recovery** section.

How do I perform a data backup?

- Create a backup of the selected data on an external medium (e.g. CD-ROM, DVD-ROM, USB stick or external hard drive). When storing the backup storage medium, take care to observe the relevant instructions from the manufacturer. Backups are unusable if the data medium is faulty or data loss occurs.

Why must I install my USB device again, even though I have already done this?

- If the device is not operated using the same USB port used for its installation, it automatically receives a new identifier. The operating system then treats it like a new device and tries to reinstall it.
- Use the installed driver or connect the device to the port on which it was originally installed.

15. Customer services

15.1. Initial help in the event of hardware problems

Malfunctions can sometimes have various causes, we have included a brief troubleshooting guide which may help to solve any problems.

If these measures don't solve the problem, we'll be more than pleased to help you further. Just call us!

15.2. Finding the cause

Start by carefully checking all cable connections. If the LED display is not working for all devices, ensure that the PC and all peripheral devices are connected to an adequate electricity supply.

- ▶ Check the socket, mains cable and all switches in the socket circuit.
- ▶ Switch off the PC and check all cable connections.
- ▶ Do not swap cables for various devices at random, even if they appear exactly the same. The pole assignment of the cables may differ.
- ▶ Once you have ensured that there is an adequate power supply to all devices and that all connections are intact, switch on the PC again.

15.3. Faults and possible causes

The screen is black.

- ▶ Ensure that the PC is not in sleep mode.

Time and date display is incorrect.

- ▶ Click on the time display in the task bar. Select **Adjust date/time...** and then set the correct value.

The cards in the card drive are assigned a different drive letter after a reboot.

- ▶ This can happen when the card reader updates its slot during system startup. New IDs may then be assigned which can result in different drive letters for some cards.

No data can be read by the optical drive.

- ▶ Check whether the disc has been inserted correctly.

The mouse or keyboard does not work.

- ▶ Check the cable connection.
- ▶ If you have a wireless mouse or wireless keyboard, check the batteries and the receiver.

Insufficient hard disk space.

- ▶ Back up any non-necessary files on CD-Rs, DVDs or other external media.

The PC does not start.

- ▶ If the cable connections are correct, try resetting the PC mains adapter. Disconnect the PC from the power supply. Then press and hold the main switch on the front for 10 seconds. Wait another 5 seconds and restart the PC.

Apps (e.g. the weather app) cannot be displayed as live tiles.

- ▶ Check the date, time zone and time.

15.4. Do you need more help?

If you are still having problems after checking through the suggestions in the previous section, check the online help guide for the operating system or call the hotline in the country where you purchased your PC.

We will try to help you over the telephone. Before contacting us, however, please prepare the following information:

- Have you made any upgrades or modifications to the initial configuration?
- What peripheral devices do you use?
- Which messages, if any, appear on the screen?
- What software were you using when the problem occurred?
- What steps have you already taken to try and rectify the problem?

15.5. Driver support

The system has been thoroughly and successfully tested with the installed drivers in our test laboratory. It is normal in the computer industry, however, for the drivers to need updating from time to time.

This is because there may be compatibility problems with other components (programs, devices) which have not yet been tested.

16. Transport

Please observe the following instructions when transporting your PC:

- To avoid any transport damage, pack the PC in its original packaging.

17. Cleaning and care

Observing the following instructions can extend the operating life of your PC:



The PC housing does not contain any parts that require cleaning or maintenance.

- Always unplug the device and disconnect all cables before cleaning. Clean the PC with a damp, lint-free cloth.
- Clean the keyboard and mouse with a damp, lint-free cloth as well.
- Do not use solvents, corrosive or gaseous cleaning agents.
- Do not use CD-ROM cleaning discs or similar products that clean the lens of the laser to clean your optical drive (CD/DVD). The laser does not need cleaning.

-
- Dust can clog up the vents which can lead to overheating and malfunctions. Check that the vents are providing a sufficient level of air circulation at regular intervals (approx. every 3 months). Use a vacuum cleaner to remove the dust from the vents. If your device regularly attracts a lot of dust, then we also recommend that the interior of the PC housing is cleaned by a specialist.

18. Storage

- If you do not intend to use the PC over a longer period of time, store it in a cool, dry place and make sure that it is protected from dust and extreme temperature fluctuations.
- Remove all media from the optical drive, the USB ports and the card reader.
- Remove all cables and connected peripheral devices.



When storing the device if not in use, we recommend using a protective sleeve or suitable bag to protect the device from dust and dirt.

19. Upgrades/modifications and repairs

Upgrades and modifications to your PC should only be carried out by qualified specialists. If you do not possess the required qualifications, have the work carried out by a suitably qualified service technician. Please contact customer services if you have technical problems with your PC.

If a repair must be carried out, please contact only our authorised service partners.

19.1. Information for service technicians

- ▶ Disconnect all power and connection cables before opening the housing. If the PC is not disconnected from the power supply before opening, there is a risk of fatal electric shock. There is also a risk of components being damaged.
- ▶ Internal components in the PC can be damaged by electrostatic discharge (ESD). Carry out repairs, as well as system upgrades and modifications, at an ESD workplace. If such a workplace is not available, wear an antistatic cuff or ensure you are touching an earthed, metallic object. Fees will be charged for repairs to damage resulting from improper handling.
- ▶ Only use original replacement parts.



WARNING!

Risk of explosion!

A lithium battery is located on the motherboard.

Batteries are hazardous waste and must be disposed of properly.

- ▶ Never try to recharge the battery.
- ▶ Never expose the battery to high temperatures or fire.
- ▶ Observe the polarity when replacing the battery.
- ▶ Keep batteries away from children.
- ▶ Only replace the battery with the same or equivalent type (CR 2032).

19.1.1. Information on laser radiation

- The PC may contain laser equipment classified as Laser Class 1 to Laser Class 3b. The equipment fulfils the requirements for Class 1 lasers.
- By opening the housing of the optical drive, you will have access to laser equipment classified up to Laser Class 3b.

The following should be observed when removing and/or opening this laser equipment:

- The integrated optical drive contains no parts that require repair or maintenance.
- Repairs to the optical drive are only to be carried out by the manufacturer.
- Do not look directly into the laser beam, even when using optical instruments.
- Do not expose the laser beam. Avoid exposing your eyes or skin to the laser beam, either directly or through scattered laser radiation.

20. Recycling and disposal

Please contact the retailer or our Service team if you have any questions about how to dispose of your device.



PACKAGING

The device has been packaged to protect it from damage in transit.

Packaging materials are raw materials and can therefore be reused or recycled.



DEVICE

Do not dispose of old devices in normal household waste.

In accordance with Directive 2012/19/EU, all devices marked with the symbol illustrated must be properly disposed of at the end of their service life.

This involves separating the materials in the devices for the purpose of recycling and minimising the environmental impact.

Take old devices to a collection point for electrical scrap or a recycling centre.

Contact your local waste disposal company or your local authority for more information on this subject.

The device is fitted with an integrated battery. At the end of its service life, do not dispose of the device in the normal household rubbish.

Instead, contact your local authority to find out how to dispose of it in an environmentally friendly manner at collection points for electrical and electronic scrap.

The battery cannot be removed. Take the entire device for disposal.



BATTERIES

Do not dispose of used batteries/rechargeable batteries with normal household rubbish. Batteries must be disposed of correctly. For this purpose, retailers that sell batteries and local collection points provide containers in which you can dispose of them. Contact your local waste disposal company or your local authority for more information.

In connection with the sale of batteries or the supply of devices containing batteries, we are obliged to draw your attention to the following:

As the end user, you are legally required to return used batteries. You can return used batteries that we stock or have stocked in our range as new batteries to our dispatch warehouse free of charge (shipping address). The symbols shown on the batteries have the following meanings:

The crossed-out wheeled bin symbol means that the battery must not be disposed of with household rubbish.

Pb = battery contains more than 0.004 mass percent lead

Cd = battery contains more than 0.002 mass percent cadmium

Hg = battery contains more than 0.0005 mass percent mercury.

21. Service information

Please contact our Customer Service team if your device ever stops working the way you want or expect it to. There are several ways for you to contact us:

- In our Service Community, you can meet other users, as well as our staff, and you can exchange your experiences and pass on your knowledge there. You will find our Service Community at <http://community.medion.com>.
- Alternatively, use our contact form at www.medion.com/contact.
- You can also contact our Service team via our hotline or by post.

Great Britain & Ireland	
Opening times	Hotline number UK
Mon – Fri: 08.00 – 20.00 Sat – Sun: 10.00 – 16.00	☎ 0333 3213106
	Hotline number Ireland
	☎ 1 800 992508
Service address	
MEDION Electronics Ltd. 120 Faraday Park, Faraday Road, Dorcan Swindon SN3 5JF, Wiltshire United Kingdom	
Australia	
Opening times	Hotline number
Mon – Fri: 08:30AM to 06:00PM EST	☎ 1300 884 987
Service address	
MEDION Australia Pty Ltd. Chatswood, NSW 2067 Australia	

USA	
Opening times	Hotline number
Mon – Fri: 09:00 am to 09:00 pm EST Sat – Sun: 10:00 am to 07:00 pm EST	 +1 866 633 4660
Service address	
MEDION U.S.A Service c/o Bigston Corporation 255 Beinoris Dr. Wood Dale, IL 60191 U.S.A.	

Great Britain & Ireland



You can download this and many other sets of operating instructions from our service portal at www.medion.com/gb/service/start/. You will also find drivers and other software for a wide range of devices there.

You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.

Australia



You can download this and many other sets of operating instructions from our service portal at www.medion.com/au/contact.php. You will also find drivers and other software for a wide range of devices there.

You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.



You can download this and many other sets of operating instructions from our service portal at www.medion.com/us/. You will also find drivers and other software for a wide range of devices there.

You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.

22. Legal Notice

Copyright © 2020

Date: 9. September 2020

All rights reserved.

These operating instructions are protected by copyright.

Mechanical, electronic and any other forms of reproduction are prohibited without the written permission of the manufacturer.

Copyright is owned by the distributing company:

MEDION AG
Am Zehnthof 77
45307 Essen
Germany

Please note that you cannot use the address above for returns. Please always contact our Customer Service team first.

23. Privacy statement

Dear customer,

We wish to inform you that we, MEDION AG, Am Zehnthof 77, 45307 Essen, Germany process your personal data as a data controller.

For matters regarding data protection, we are supported by our company data protection officer who can be contacted at MEDION AG, Datenschutz, Am Zehnthof 77, D – 45307 Essen; datenschutz@medion.com. We process your data for the purpose of warranty processing and associated processes (e.g. repairs) and therefore rely on processing your data for the sales contract concluded with us.

Your data will be provided to repairers contracted to us for the purpose of warranty processing and associated processes. We generally store your personal data for a period of three years in order to fulfil your legal warranty rights.

You have the right to be informed of the personal data concerned as well as the right to rectification, deletion, restriction of processing, the right to object to processing, as well as the right to data portability.

In case of access and cancellation rights, restrictions apply according to S 34 and S 35 of BDSG (Federal Data Protection Act) (Art. 23 GDPR). In addition, there is a right of appeal to a competent data protection supervisory authority (Article 77 GDPR in conjunction with S 19 BDSG). The state official for data protection and freedom of information for MEDION AG is Nordrhein Westfalen, P box 200444, 40212 Düsseldorf, Germany. www.lidi.nrw.de.

The processing of your data is necessary for warranty processing: it is not possible to process the warranty without the provision of the required data.

24. Index

	A			Wrists.....	14
Ambient conditions.....		13		F	
	B			Factory setting.....	34
Bluetooth.....		34		System recovery	34
	C			FAQ	37
Cable connections		15		G	
Card reader		31		Getting started.....	21
Memory stick.....		31		H	
Memory stick pro		31		Hard drive.....	25
MMC		31		Hardware problems.....	38
Removing memory cards.....		31		HDMI	16
SD		31		Hot-swap	27
SDHC.....		31		I	
Cleaning and care		39		Important directories.....	26
Cleaning agents.....		39		Initial help	38
Connection		15		Installation location.....	13
Audio input		19		K	
Audio output.....		17		Keyboard	24
HDMI.....		16		L	
Headphones		17		Laser radiation	41
LAN.....		19		M	
Microphone		18		Monitor	16
Monitor.....		16		Mouse.....	23
Power supply.....		19		N	
Recording source		19		Network	19, 32
Speaker.....		17		LAN.....	19
Surround		18		LAN access point.....	33
USB devices.....		17		Wireless LAN	32
Customer services		38		O	
	D			Operating safety	8
Data backup.....		10		Operation	
Disposal.....		41		Keyboard.....	24
Driver support		39		Mouse.....	23
	E			Optical drive.....	28
Ergonomics.....		13		CD-ROM.....	28
Arms.....		14		DVD.....	28
Back.....		14		P	
General information.....		14		Power supply	19
Head		15		Proper use	7
Legs.....		14		R	
				Recycling	41
				Repairs.....	40

S

Safety

Cable connections.....	15
Connection.....	15
Service technician	40
Setting up the PC	13
Setup/conversion	40
Sound system	32
System recovery.....	34
Burning drivers and tools to an optical disc	34
PowerRecovery	34
Restore to HDD – with backed up user data.....	35
Restoring the factory settings	35
Update your PC without damaging your data	34

T

Transport	39
-----------------	----

U

UEFI firmware configuration	36
USB	17

W

Wireless LAN.....	32
-------------------	----