

About This Manual

Keep these instructions with your notebook at all times. The proper set up, use and care can help extend the life of your notebook. In the event that you transfer ownership of this notebook, please provide these instructions to the new owner.

This manual is divided into sections to help you locate the information you require quickly. Along with the **Table of Contents** at the beginning of this manual, an **Index** has been provided to help you find topical information.

We strongly recommend you read this entire manual to ensure the proper set-up and operation of your notebook.

Many application programs incorporate extensive help functions. As a general rule, you can access help functions by pressing F1 on the keyboard. These help functions will be available to you while you are using the Microsoft Windows® operating system or the respective application program.

Windows Vista® offers you additional aids to learn about the new version of Windows and your notebook. You can find this information in the **Welcome Center** after booting up your notebook. We have listed further useful sources of information starting on page 64.

Purchase Details

Enter your notebook and purchase details for quick reference. It is important to document these details in the event you require technical support. It is also highly recommended to retain the original purchase receipt.

Serial Number
Date of Purchase
Place of Purchase

The serial number can be found on the back of the notebook.

Audience

These instructions are intended for both the novice and advanced user. Regardless of the possible professional utilization, this notebook is designed for day-to-day household use. The functions and applications for use with this notebook have been designed with the entire family in mind.

Quality

We have selected the components in this notebook for their high level of functionality, ease of use, safety and reliability.

Through balanced hardware and software design we are able to provide you with an innovative notebook useful for applications relating to both work and leisure.

We are pleased to welcome you as our newest customer. **Thank you for choosing our products.**

Copying this manual





This document contains legally protected information. All rights reserved. Copying in mechanical, electronic and any other form without the written approval of the manufacturer is prohibited.

© 2007 MEDION®. All rights reserved. Microsoft®, MS-DOS®, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Information in this document is subject to change without notice.

Table of Contents:

Safety and Maintenance	1
Warnings.....	3
Data Security	4
Setup Location.....	4
Ambient Temperature	5
Working in Comfort.....	5
Connecting	6
Power Supply	6
Cabling.....	7
Modem.....	7
Touch pad.....	7
Battery Operation	8
Views & Handling.....	9
Included With Your Notebook	11
Notebook Views	12
Open.....	12
Left-side.....	13
Right-side	14
Backside	14
Device Indicators	15
Quick Launch Buttons.....	17
Allocation of Special Buttons.....	18
Getting Started.....	19
Starting Up the Notebook	19
Short Description of The Windows® Desktop	22
Main Components.....	25
Power Supply.....	27
Power ON/OFF Button.....	27
Power Adapter	28
Battery Operation	29
Inserting the Battery	29
Removing the Battery.....	30
Charging the Battery	31
Discharging the Battery.....	31
Battery Performance	32
Power Management.....	33
Sleep Mode ( ⇒ ).....	33
Hibernate Mode ( ⇒ ).....	33
Display	34
Opening and Closing the Display	34
Screen Resolution	34
Replacing the Cover	35

Connecting an External Monitor	37
Duplicating the Desktop	38
Extending the Desktop	38
Connecting a TV	39
Data Entry	40
Keyboard	40
Notebook-Specific Key Combinations	40
Touch pad	42
Using the Multimedia Functions	42
Hard Drive	44
Important Directories	45
Optical Drive	46
Loading a Disc	46
Emergency Ejection of a Blocked Disc	47
Playing Back and Retrieving Data from Discs	48
Regional Playback Information for DVD	48
Subjects Concerning the CD/DVD-Rewriter	49
Recordable/Rewriteable Discs	49
Sound Card	50
External Audio Ports	51
Modem	53
Modem Port	54
Network	55
What is a network?	55
Ethernet Network	55
Wireless LAN	56
Troubleshooting within the Network	57
Multimedia Card Reader	58
Inserting Memory Cards	58
Removing Memory Cards	58
Express Card	59
Installing Express Card	59
Removing Express Card	59
Webcam	60
Universal Serial Bus (USB) Port	61
IEEE 1394 (FireWire)	62
Application Options for IEEE 1394	62
Technical Specifications	62
Securing the Notebook	63
Startup Password	63
Using a Safety Lock	63
Software	64
Getting to Know Windows Vista®	64
Windows Vista® – Quick Start Guide	64
Windows Vista® – Help and Support	64
Windows Vista® – Welcome Center	65
Windows Vista® – User Account Control	66

Software Installation	67
How to Install your Software	67
Uninstall Software	68
Windows Activation.....	69
Product Activation on Your Notebook	69
BIOS Setup Program	69
Running the BIOS Setup.....	69
BullGuard Internet Security.....	70
First Aid	73
FAQ – Frequently Asked Questions	75
Data and System Security	76
Data Security	76
Maintenance Programs.....	76
Password Reset Disc.....	76
Windows® Update.....	77
Windows Update Information for Data Security	78
System Restore	79
Correction	79
System Restore powered by Symantec.....	80
Limits of the Recovery.....	80
Performing System Restore	80
Troubleshooting	81
Localize the Cause	81
Check Cables and Connections.....	81
Common Problems and Solutions.....	82
Additional Support	83
Driver Support	83
Maintenance	84
Care of the TFT Display.....	84
Transporting the Notebook	85
Recycling and Disposal	86
Batteries and Proper Treatment.....	86
Upgrades and Repairs.....	88
Notes on Laser Radiation:.....	88
Appendix	89
Standards	91
Electromagnetic Compatibility	91
Pixel Defects on TFTs (LCD-Displays)	91
FCC Compliance Statement	93
MEDION Limited Warranty	94
Index	95

|

|

|

|

Chapter 1

Safety and Maintenance

Subject	Page
Warnings	3
Data Security	4
Setup Location.....	4
Ambient Temperature	5
Working in Comfort	5
Connecting	6
Modem.....	7
Touch Pad	7
Battery Operation	8

Handling

Components

Troubleshooting

Appendix

Warnings

Before getting started, carefully read the following important safety information concerning your notebook.

Please follow the instructions in this section for the safe operation of your notebook:

- Do not allow small children to play unattended with electrical equipment.
- Keep the packaging materials, such as plastic bags, away from children. The danger of suffocation could arise in the case of misuse.
- Do not open the notebook casing, the battery or the power adapter. When the casing is open, there is a danger to life from electric shock.
- CD-ROM/CDRW/DVD drives are Laser Class 1 devices. These lasers must remain in their sealed cases. Do not remove the drive covers as exposure to the lasers may be harmful.
- Do not insert objects through the slots and openings of the notebook. This may lead to electric shock, short-circuit or fire that could cause damage to your notebook or personal injury.
- Do not cover the slots and openings in the notebook. These openings are intended for ventilation purposes. Covering these vents may lead to overheating.
- This notebook is not designed for use within an industrial environment. Operation under extreme environmental conditions can result in damage to your notebook.
- Do not operate the notebook during severe thunderstorm.
- Never place objects on top of the notebook that would exert any pressure on the display. Even the slightest pressure can result in damage to your TFT display.
- There is a risk of personal injury if the TFT display should break. Using protective gloves carefully pack the broken pieces and contact customer service to arrange for proper disposal. Since there is a chance chemicals were released, it is important to thoroughly wash your hands after handling broken pieces.
- Do not attempt to open the notebook with force.
- In order to prevent damage to the display, refrain from touching the display with your fingers or sharp objects.
- Never lift the notebook by the TFT display; doing so could break the hinges.

Handling

Components

Troubleshooting

Appendix

Switch off your notebook immediately or do not switch it on at all and contact customer service if...

- The power cord or the attached connectors are worn or damaged. Have the defective power cord replaced with an original cable. Never try to repair a defective cable.
- The notebook casing is damaged or liquids have penetrated. Do not operate the notebook until you first check with customer service. It is possible that the notebook cannot be operated safely and could cause danger to life by electric shock!

Data Security

We recommend that you make backup copies on an external storage medium every time you update your data. The supplier does not assume liability for data loss or damage to data storage units, and no claims can be accepted for damages resulting from the loss of data or for consequential damages.

Setup Location

- Keep your notebook and all connected devices away from moisture, dust, heat and direct sunlight. Failure to do so can lead to malfunction or damage to the notebook.
- It is highly recommended that you do not use the notebook outdoors.
- To prevent damage to your notebook from a fall, operate the notebook and all connected devices on a stable, balanced and vibration-free surface.
- Do not leave your notebook on your lap or any other part of your body for an extended period of time. The notebook can become extremely warm while turned on or charging and can cause discomfort or personal injury from heat exposure.
- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly over the course of time. We recommend ventilating the room regularly in order to counteract the formation of odor.

Ambient Temperature

- The notebook is most reliably operated at an ambient temperature between +41° (5° C) and +104° F (40° C) and at a relative humidity between 20% and 70% (without condensation).
- When powered off, the notebook can be stored at temperatures between 32° and 140° F (0° and 60° C).
- Unplug the cable during thunderstorms and make sure to remove the antenna cables, if present. We recommend the use of a surge protector for additional safety in order to protect your notebook from being damaged.
- Wait until the notebook has reached ambient (room) temperature before turning it on or connecting it to the power adapter. Drastic variations in temperature and humidity can create condensation within the notebook and may cause it to short-circuit.

Working in Comfort

Sitting in one position for long periods can be uncomfortable. To minimize the potential for physical discomfort or injury, it's important that you maintain proper posture.

- Back – While sitting at your work surface, make sure your back is supported by the chair's backrest in erect position or angled slightly backwards.
- Arms – Your arms should be relaxed and loose, elbows close to your sides, with forearms and hands approximately parallel to the floor.
- Wrists – Your wrists should be as straight as possible while using the keyboard, mouse or touch pad. They should not be bent sideways, or more than 10 degrees up or down.
- Legs – Your thighs should be horizontal or angled slightly downward. Your lower legs should be near a right angle to your thighs. Your feet should rest flat on the floor. If necessary, use a footrest, but double check that you have your seat height adjusted correctly before getting a footrest.
- Head – Your head should be upright or tilted slightly forward. Avoid working with your head or trunk twisted.
- Overall – Change your position frequently and take regular breaks to avoid fatigue.



Connecting

Pay attention to the following information in order to connect your notebook properly:

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 AC outlet must be in the vicinity of the notebook and within easy reach of the power cables. DO NOT stretch the power cables to reach an AC outlet.
- In order to disconnect your notebook from the power source or change to battery operation, remove the power cord from the notebook socket.
- Only use the notebook with a power adapter operating at AC 110-240V~/50-60Hz. Please refer to the rating label on the back of the notebook for details on power consumption.
- Only use the supplied power cord and adapter.
- If you are using an extension cord, ensure that the cord meets your local safety requirements. If in doubt, ask an electrician. Never use frayed or worn extension cords.
- To provide additional protection against electric shock, power surges, lightning strikes, or other electrical damage to your notebook, we recommend the use of a surge protector.
- When detaching the power adapter from the power source, first remove the cord and then the connector from the notebook. A reverse sequence could damage the power adapter or your notebook. Always hold the cord firmly when removing it. Never pull on the power cord.

Cabling

- Arrange cables in such a way that no one can walk on or trip over them.
- Do not place objects on cables.
- Avoid damage to your notebook by connecting the peripheral devices (for example, keyboard, monitor, and mouse) while your notebook is powered off.
- Some devices can be connected while your notebook is in use. Refer to the documentation that came with each device for further information.
- Keep the notebook at least three feet away from high frequency and magnetic interference sources (for example, TV sets, speakers, mobile phones, etc.) in order to avoid malfunctions and/or loss of data.
- Please note only shielded cables shorter than 9.84 feet should be used for external interfaces (LPT, COM, USB, IEEE 1394, audio, video and network) with this notebook. Please use only double screened printer cables.
- Only use the cables provided with your notebook. In addition, use only the cables provided with your peripheral devices.
- Ensure all the cables are connected with the respective peripheral devices. Any unused cables should be removed.
- The connection of devices is limited to equipment that complies with EN60950 ("Safety of Information Technology Equipment") or EN60065, ("Audio, Video and Similar Electronic Apparatus") safety requirements.

Modem

- If your system has a modem, please ensure you connect it to an analog telephone line only. Connecting it to a digital PBX (a digital line designed for broadband services), an ISDN (a shared service line) or a payphone will damage the modem or the devices connected to it.

Touch pad

- Light pressure with the tip of your finger is all that is required to operate the touch pad. Because the touch pad is electrostatic sensitive, objects cannot be used in place of your fingers. Using a pen or other object can damage the touch pad or cause the notebook to malfunction.

Battery Operation

In order to extend the life and optimize performance of your battery and to guarantee safe operation, the below instructions should be followed. Please refer to the section, "Battery Operation," starting on page 29, for further details.

- Never expose the battery to direct sunlight or heat for extended periods of time.
- Do not dispose of the battery in fire. Batteries are classified as special waste and should always be disposed of properly. Please contact customer service for further details.
- Disregarding these instructions will lead to damage and under some circumstances may even cause the battery to explode.
- Do not open the battery housing; it contains no user-serviceable parts.
- Keep the battery away from electrically conductive materials, chemical substances and cleaning agents.
- Only use the originally supplied power adapter to charge the battery.
- Replace the battery only with the same type or an equivalent type recommended by the manufacturer.
- Ensure that the battery is completely discharged before recharging it.
- Charge the battery only until the battery charging light goes out.
- Only replace the battery when the unit is completely powered off.

Chapter 2

Safety

Views & Handling

Handling

Subject	Page
Included with Your Notebook	11
Notebook Views.....	12
Open	12
Left-side	13
Right-side.....	14
Backside	14
Power and Status Indicators	15
Quick Launch Buttons	17
Getting Started	19

Components

Troubleshooting

Appendix

Included With Your Notebook

Please check that the contents listed below are included in your package and notify us within 14 days of purchase if this is not the case. You **MUST** provide your notebook's serial number when contacting a customer service representative.

Your notebook package should include the following components:

- Notebook
- Battery
- Power adapter with connection cable
(Model: KSAFI1900342T1M2)
- OEM version of Operating System
- Application/Support CD
- Notebook case
- USB scroll mouse
- Quick Start Guide
- Owner's Manual

Safety

Handling

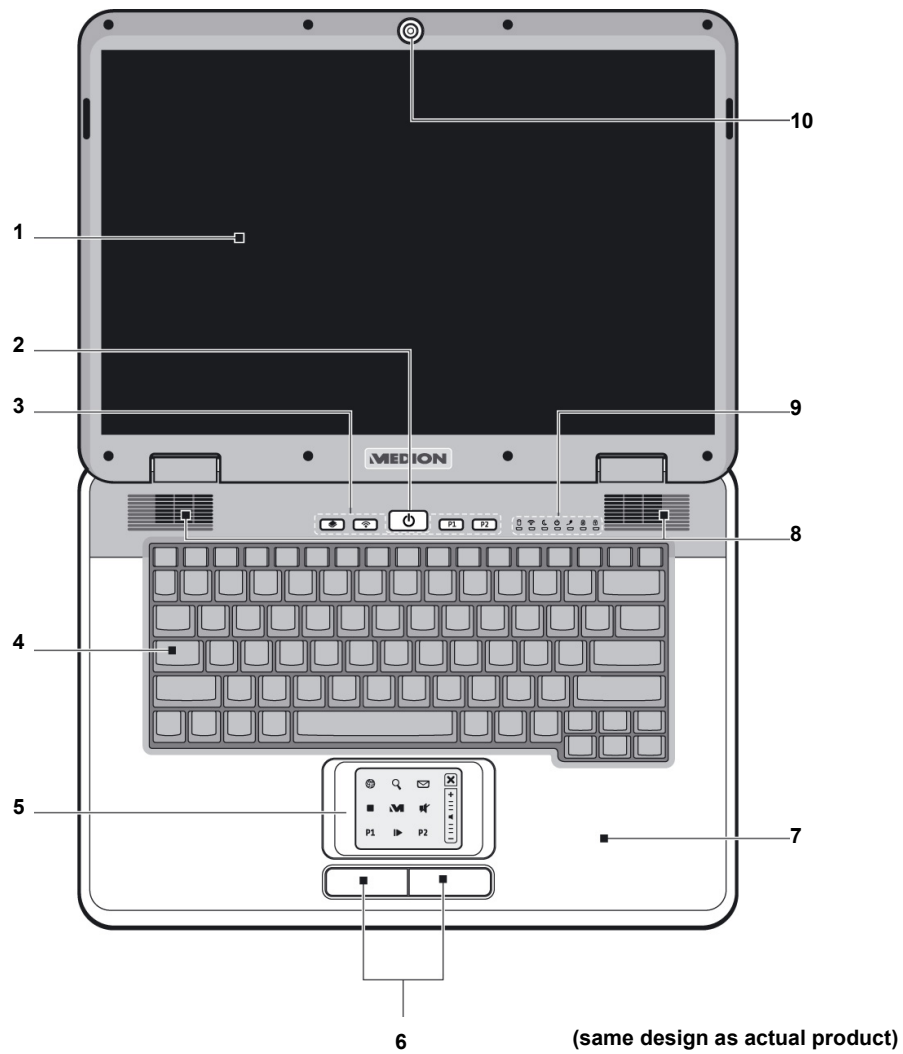
Components

Troubleshooting

Appendix

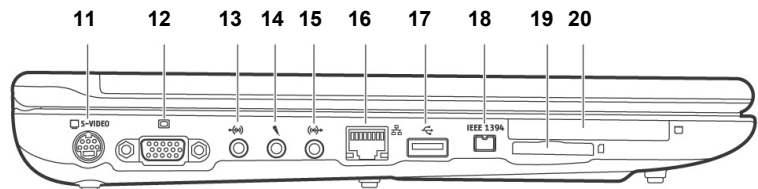
Notebook Views

Open



1	TFT display.....	(page 34)
2	Power ON/OFF button.....	(page 27)
3	Quick launch buttons	(page 17)
4	Keyboard	(page 40)
5	Touch pad	(page 42)
6	Touch pad buttons	(page 42)
7	Palm rest	
8	Stereo speaker	
9	Device indicators	(page 15)
10	Webcam	(page 60)

Left-side

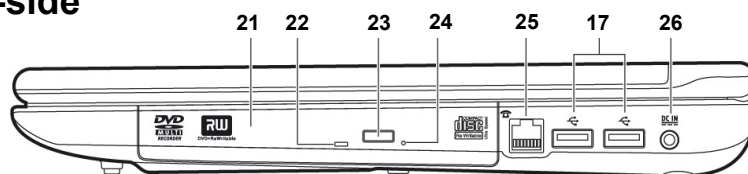


(same design as actual product)

11	TV out port (S-Video).....	(page 39)
12	External monitor port VGA	(page 35)
13	Line In *	(page 51)
14	Microphone*	(page 51)
15	Audio Out* / Digital Audio Out (S/P-DIF, optical)	(page 51)
16	LAN port (RJ-45)	(page 53)
17	USB port	(page 61)
18	FireWire IEEE 1394	(page 62)
19	Multimedia card reader	(page 25)
20	Express Card/54	(page 59)

* Ports with dual function. Configuration is set with the included software (page 51).

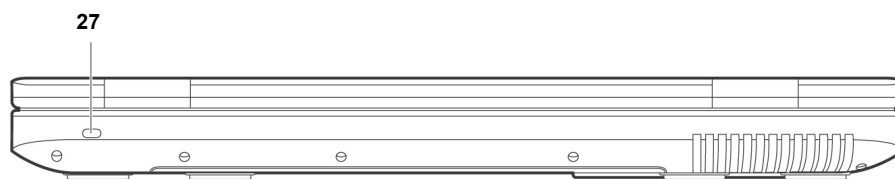
Right-side



(same design as actual product)

- 21 Optical Drive (page 46)
- 22 Activity LED optical drive (page 46)
- 23 Disc eject button (page 46)
- 24 Emergency ejection (page 47)
- 25 Modem port (RJ-11) (page 52)
- 17 USB port (page 61)
- 26 Power socket (page 28)

Backside

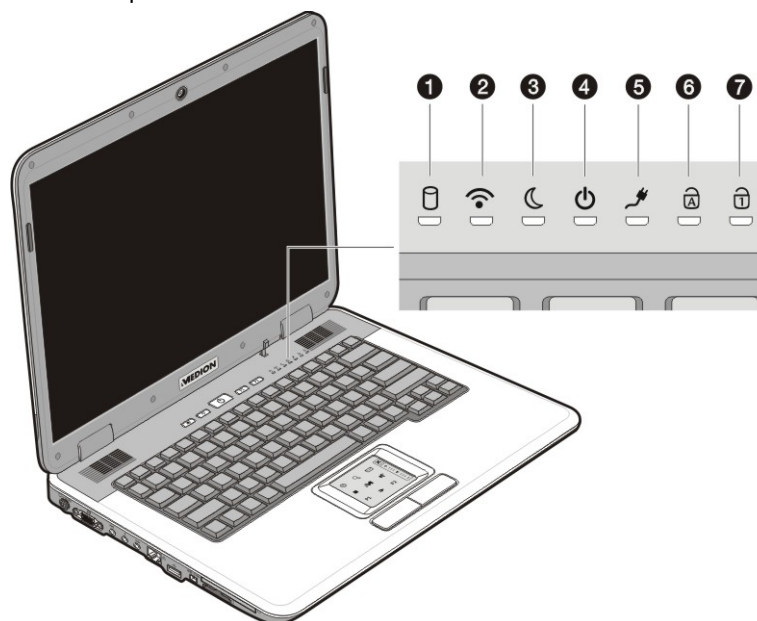









(same design as actual product)

- 27 Kensington® lock (page 63)

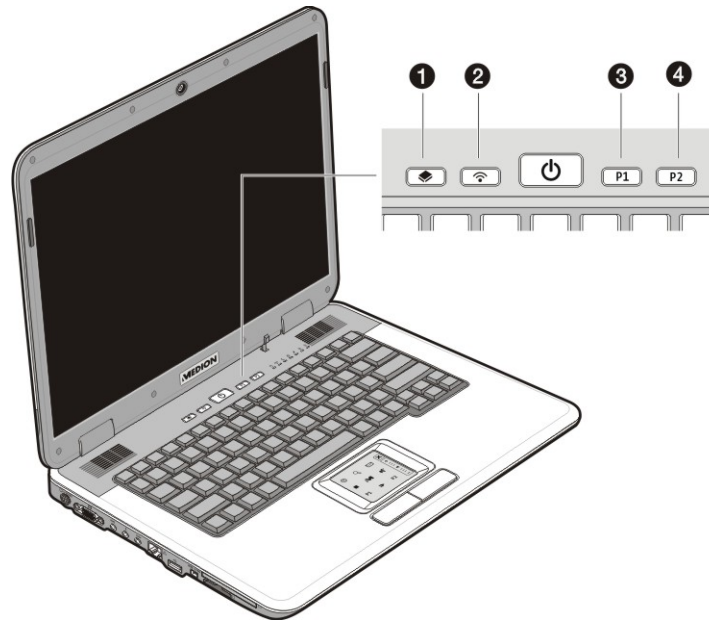
Device Indicators



Light-Emitting Diodes (LEDs) indicate the power and operating system states of the notebook. The description of each LED is below:



- ❶  **Access Indicator**
LED lights or flashes when the notebook is accessing the hard disk drive.
- ❷  **Wireless LAN**
Displays for wireless data exchange. If the display lights **steadily**, the wireless LAN function is enabled.
- ❸  **Sleep Indicator**
LED lights when the notebook is in standby mode.
- ❹  **Power Indicator**
LED lights when the computer is powered on; blinks when the battery power is low.
- ❺  **Battery LED**
LED lights when the battery is charging.
- ❻  **Capital Letter Lock**
LED lights when CAPS-Lock is activated. This sets the keyboard to capital letters.
- ❼  **Number Lock**
LED lights when NUM-Lock is activated (Fn+NumLk).

Quick Launch Buttons




- ❶**  **Multimedia Button**
Starts the Media Player or Media Center applications.
- ❷**  **WLAN**
Key enables or disables the **wireless LAN** function.
- ❸** **P1** **User-programmable**
Button can be selected by the user to gain quick access to a preferred program.
- ❹** **P2** **User-programmable**
Button can be selected by the user to gain quick access to a preferred program.

Allocation of Special Buttons

You can allocate programs to the special buttons by means of the '**Launch Manager**'.

Start the program as follows:

1. Click on
 **Start**
⇒ ► **All Programs**
⇒ **Launch Manager**
2. You can determine which program will be started by the respective button by the '**Insert**' or '**Delete**' control buttons.
3. Click '**OK**' to accept the setting once you have selected the relevant program.

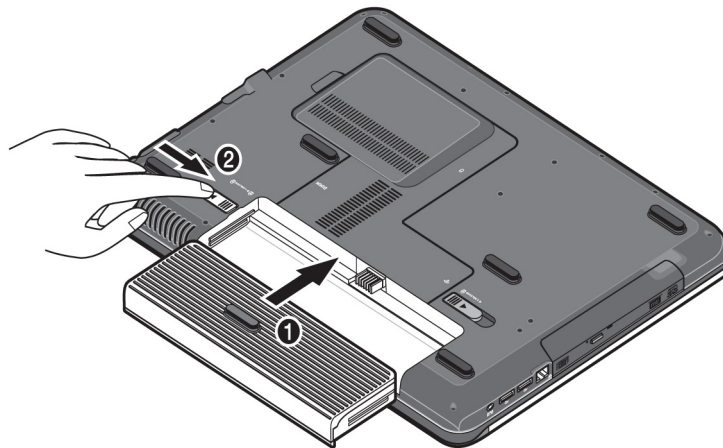
Getting Started

Before getting started using your notebook, take a few moments to read the important section on **Safety**.

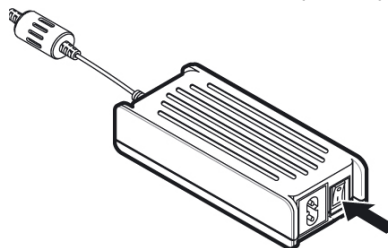
This notebook comes with software **fully pre-installed**. You do not have to install any of the discs supplied.

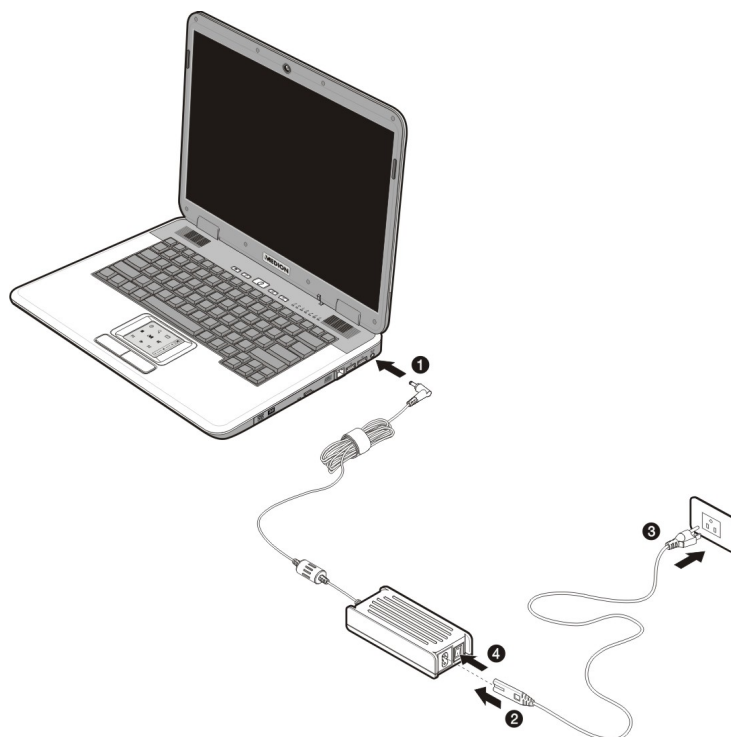
Starting Up the Notebook

1. Insert the battery before operating the notebook by sliding the battery pack into the compartment. Ensure the Safety Lock (●) is secure to prevent the battery from falling out unintentionally.

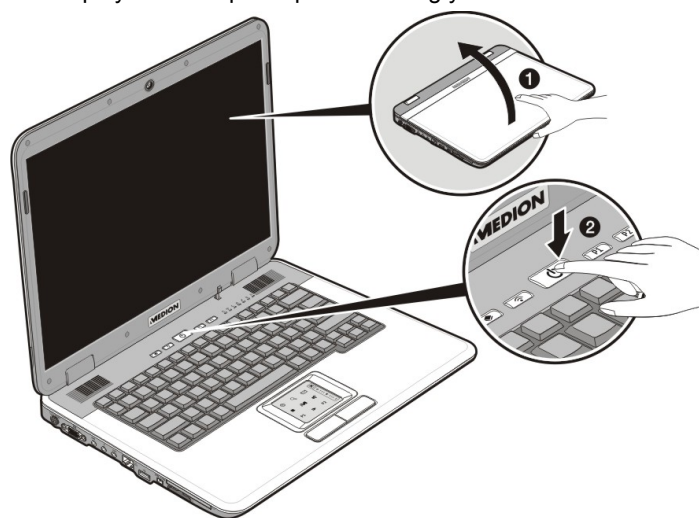


2. Connect the supplied power adapter to the notebook at the notebook power socket (26). Connect the power adapter via a power cable to an available AC outlet. Set the switch on the power adapter to the I setting to supply the notebook with electricity and to charge the battery. Setting the switch to 0 will interrupt the electricity supply.





3. Open the display to the required position using your thumb and index fingers.



4. Switch the notebook on by operating the Power ON/OFF button (2). The notebook starts and now goes through a number of phases.

Note

Make sure there is no bootable disc (for example, the Recovery CD) in the optical drive. Such discs will prevent the operating system from loading off the hard drive.

The **operating system** is loaded from the hard drive. During the initial setup, the loading process takes slightly longer than normal to completely register the operating system and the individual components. Your operating system is finished loading when a welcome screen is shown on your display.

Follow the instructions on screen. Dialogue boxes will explain any steps that need to be taken.

The greeting procedure will guide you through a series of dialogue boxes. The information in each dialogue box will explain the steps that need to be taken.

Should you have any questions just click on .

License agreement

Please read through the license agreement carefully. It contains important legal information on the use of your software. In order to see the full text, use the mouse and scroll wheel to move the page down until you have reached the end of the document. You can accept the agreement by clicking the **I accept the agreement** option field. Only by doing so will you be entitled to use the product under lawful terms and conditions.

After the login procedure the Windows® desktop appears on screen.

This can be adjusted so that the screen of your notebook looks different. The basic operation, however, is ensured.

Safety

Handling

Components

Troubleshooting

Appendix

Short Description of The Windows® Desktop

After the login process, the Windows Vista® desktop appears on your screen. (Your desktop might not look exactly like the one shown here.)



1. Start Button

Clicking the Start button presents a menu where you can access help, software programs, files, and settings.

2. All Programs

All of the software programs installed on your notebook are ordinarily listed here. Click **All Programs** to reveal an extensive menu.

3. Program Bar

The most commonly used software programs are listed here.

4. Turn Off Computer

Click this button to shut down Windows and then the notebook.

5. Task Bar

Here you receive information and status reports about Windows Vista® and which programs are running.

6. Desktop Icons

Desktop icons link to their respective programs. To start a program, double-click its desktop icon.

7. Logged in User

This tells you which user is logged into your notebook.

8. Control Panel

You can use the icons in Control Panel to change the appearance and functionality of Windows Vista®. These icons represent options for configuring your notebook.

9. Windows Vista® Help

Here you can find information on using your notebook, networking, backup, and many other tasks.

Safety

Handling

Components

Troubleshooting

Appendix

Chapter 3

Main Components

Subject	Page
Power Supply	27
Display	34
Data entry	40
Hard Drive	42
Optical Drive	46
Sound Card	50
Modem.....	53
Network	55
Multimedia Card Reader.....	58
Express Card/54	59
Webcam	60
Universal Serial Bus (USB) Port.....	61
IEEE 1394 (FireWire).....	62
Securing the Notebook	62
Software	64

Safety

Handling

Components

Troubleshooting

Appendix

|

|

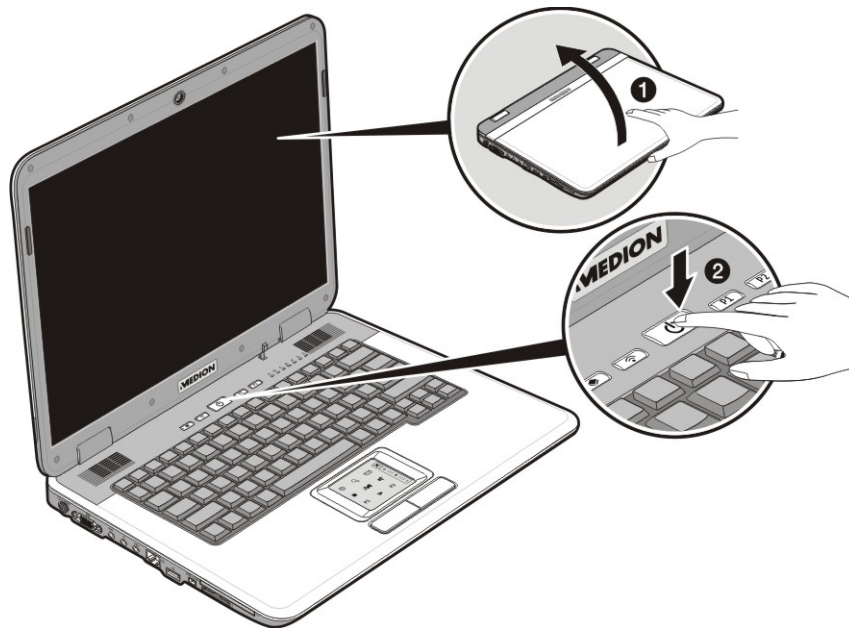
|

|

Power Supply

Power ON/OFF Button

Briefly press the Power ON/OFF button (2) to switch your notebook on or off.



The operational indicator reports the operational status of your notebook. The notebook will always be switched off if the main switch is pressed for more than 4 seconds.

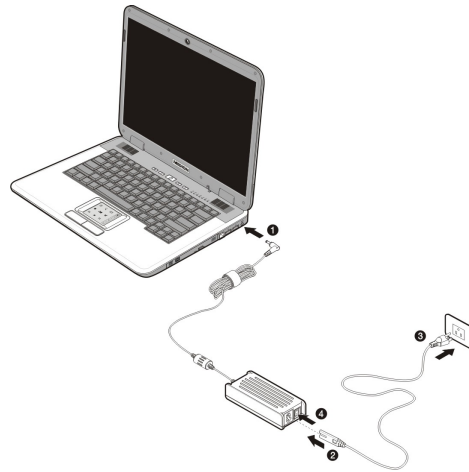
Warning!

Do not switch off your notebook while the **hard** or optical drives are running and the corresponding **media activity LEDs** are lit. Otherwise data may be lost. To protect the hard drive you should always wait 20 seconds after powering down the notebook before powering it up again.

Power Adapter

Your notebook is supplied with a universal AC power adapter which automatically adjusts to the available power source. The following levels are supported: **AC 100-240V~/ 50-60 Hz**. Please follow the power supply **safety instructions** found on page 6.

The power adapter is connected via a power cord to an AC outlet. The DC power lead from the power adapter is connected to the **right side of the notebook (26)**.



The adapter has an on and off switch. No electricity will be used and the notebook will not be supplied with electricity if the switch is set to the OFF (0) position.

The adapter provides the notebook with power in the ON setting (I) and also charges the battery. The power supply indicators of the notebook provide details on the operating state. The battery is also being charged when you are working on your notebook with the power adapter. The power adapter is still live even if the notebook is not connected to it so you should always unplug the power adapter from the outlet if it is not connected to the notebook. Otherwise, set the adapter to the OFF (0) position.

Warning!

Use only the power adapter and power cord supplied with your notebook.

Battery Operation

Note

Please charge and discharge the new battery completely two to three times in succession so that it will achieve its full performance!

Batteries store electrical energy in their cells and then deliver it when needed.

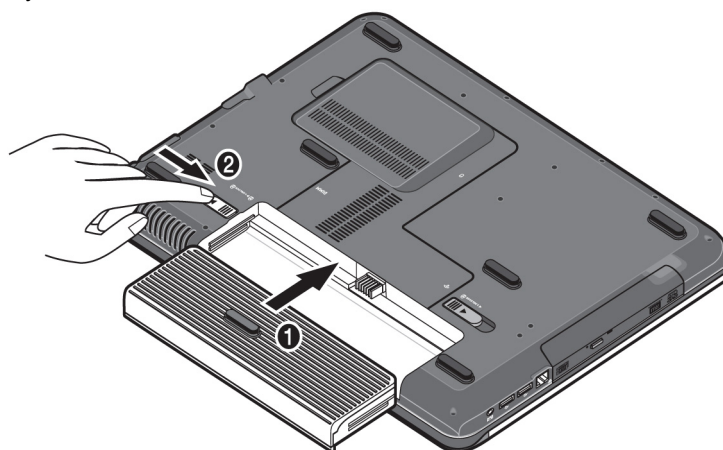
The useful life and performance of your battery depends on careful handling.

The battery should be completely discharged before starting a charging process and then completely charged, in order to optimize its useful life and its performance.

Pay careful attention to the Safety Notes on page 8.

Inserting the Battery

Insert the battery before operating the notebook by sliding the battery pack into the compartment. Ensure the Safety Lock (2) is secure to prevent the battery from falling out unintentionally.



Safety

Handling

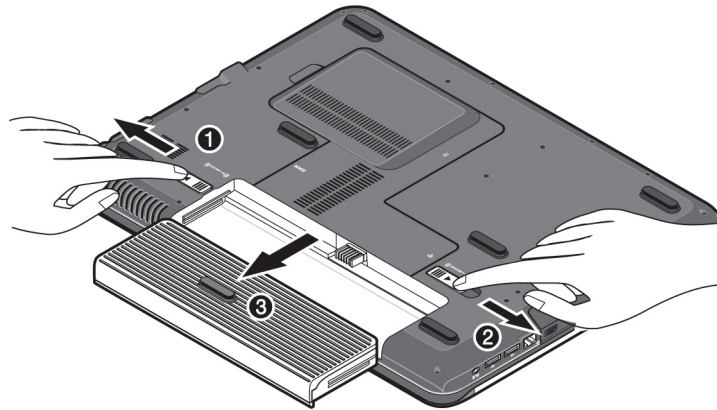
Components

Troubleshooting

Appendix

Removing the Battery

1. Slide the Safety Lock (❶) to the 'unlock' position.
2. Slide and hold the Battery Ejection (❷) in order to remove the battery pack.



Warning!

Do not remove the battery while the notebook is running on battery power consumption. Doing so will increase the risk of data loss.

Warning!

Pay attention to the contacts on the battery and notebook. Dirty and/or damaged contacts when inserting the battery and using the notebook could lead to malfunctions.

Charging the Battery

The battery is charged via the power adapter. If the power adapter is connected, it charges the battery automatically, whether the notebook is turned on or not. When the notebook is switched off, full charging takes a few hours. If the notebook is switched on, the charging process takes a significantly longer time.

Note

The charging process will be interrupted if the temperature or the voltage of the battery gets too high.

Discharging the Battery

Operate the notebook in battery mode until it switches off independently because of low battery charge.

Note

Think about saving your open files regularly to avoid the possibility of data loss.

Safety

Handling

Components

Troubleshooting

Appendix

Battery Performance

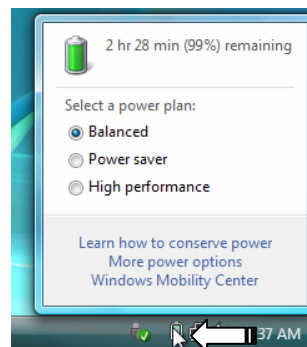
The particular operating duration will vary according to the setting of the energy saving functions. You can adjust these to your requirements under **Energy Options** in **System Control**. Apart from this, your notebook will require a higher power demand when carrying out certain tasks, such as playing back a DVD.

Checking the Battery Level

In order to check the current level of the battery, move the cursor over the power symbol in the taskbar.

The symbol of a battery is displayed during battery operation.

You will receive additional information about settings if you double click on this symbol.



Warnings!

Ignoring the warning signal when the battery level is low will cause your notebook to go into hibernate mode.

Never remove the battery while the notebook is powered on or if your notebook has not yet gone into hibernate mode as this may lead to loss of data.

Power Management

Your notebook offers automatic and modifiable power saving functions that you can use to maximize battery life and reduce overall operating costs. Power saving modes are known as Sleep Mode and Hibernate Mode.

Sleep Mode (⇒)

While in sleep mode, the contents of the RAM of your notebook are preserved while practically all other components of your notebook are shut down, reducing your power consumption to a minimum. Pressing any key on the keyboard will bring your notebook back to its fully operational state. You will restart at precisely the line in which you were working prior to the interruption. The computer takes less time to go into and come out of sleep mode, but uses more power than hibernate mode.

Hibernate Mode (⇒)

The hibernate mode is an alternative to a complete shutdown of the notebook. In this mode, all data from RAM (system and graphic data) are copied to the hard drive as a file. As soon as the data has been saved, the notebook powers down. When the notebook is switched on again, this file is written back to RAM by the BIOS. In a few moments the notebook is in the exact state as when it was last used. If the notebook was closed while working on a document (assuming the correct ACPI setting), the notebook saves the data in RAM for you automatically.

You will restart at precisely the line in which you were working prior to the interruption. The computer uses no power while it is in hibernate mode, but it takes a little longer for the computer to go into and come out of hibernation compared to sleep mode.

Safety

Handling

Components

Troubleshooting

Appendix

Display

Unlike a CRT monitor, the TFT display does not produce radiation or flicker.

Opening and Closing the Display

The display is locked by means of a special construction of the display hinge, so that an additional lock is not necessary.

1. To open, lift the display with your thumbs and index finger and position it as desired.

Warning!

Do not attempt to open the notebook with force.

Refer to the Power Management section on page 33 for functions associated with opening and closing the display.

Screen Resolution

The screen has a native resolution of **1280 x 800** pixels. If you change to a presentation with different characteristics in the Windows “**Personalization**” Help Program, the display will not appear on the whole area of the screen, among other effects.

Using a higher resolution can lead to distortion of the display, especially with text. Using a lower resolution may cause the display to use only a portion of the screen area.

You will adjust the presentation to the mode supported with the Windows “**Personalization**” Help Program.

Replacing the Cover

Personalize your notebook with a cover that suits your individual style. Log onto www.medion.com/individual to order your new cover today!

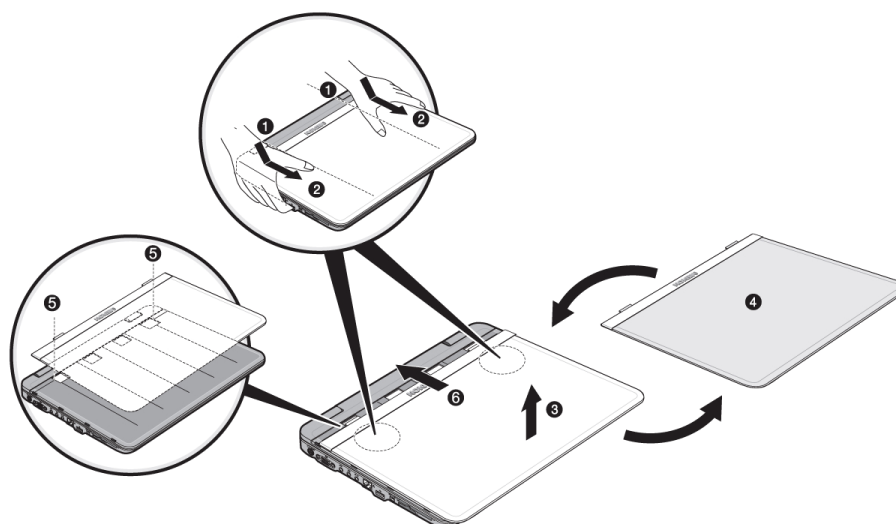
To change the cover, please follow one of the following instructions.

Note

Ensure the notebook is neither switched on nor connected with the power adapter **before** replacing the cover.

Instruction 1 for replacing the cover:

1. Use both hands to unlock the cover at the level of the hinges.
2. Slide the cover off the notebook and replace it with the new one.
3. Align the new cover to the notebook strip and push it carefully back to the starting position until it engages.



Safety

Handling

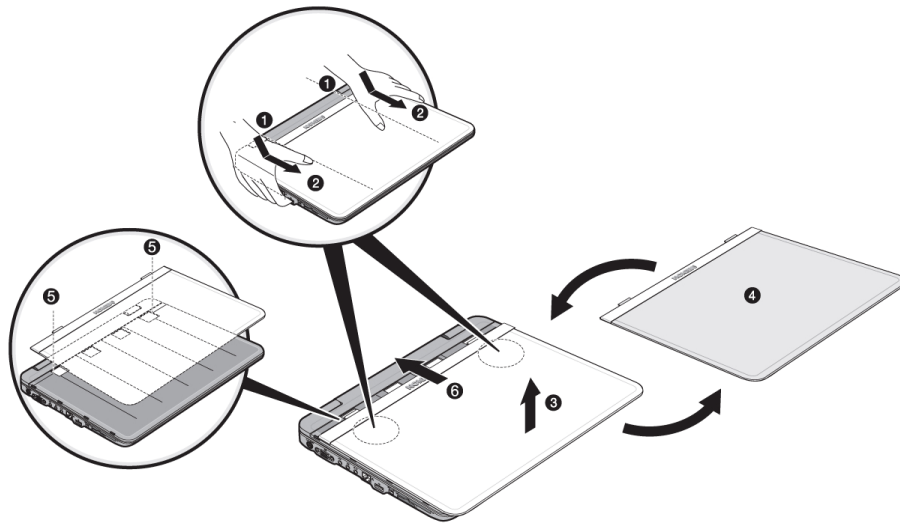
Components

Troubleshooting

Appendix

Instruction 2 for replacing the cover:

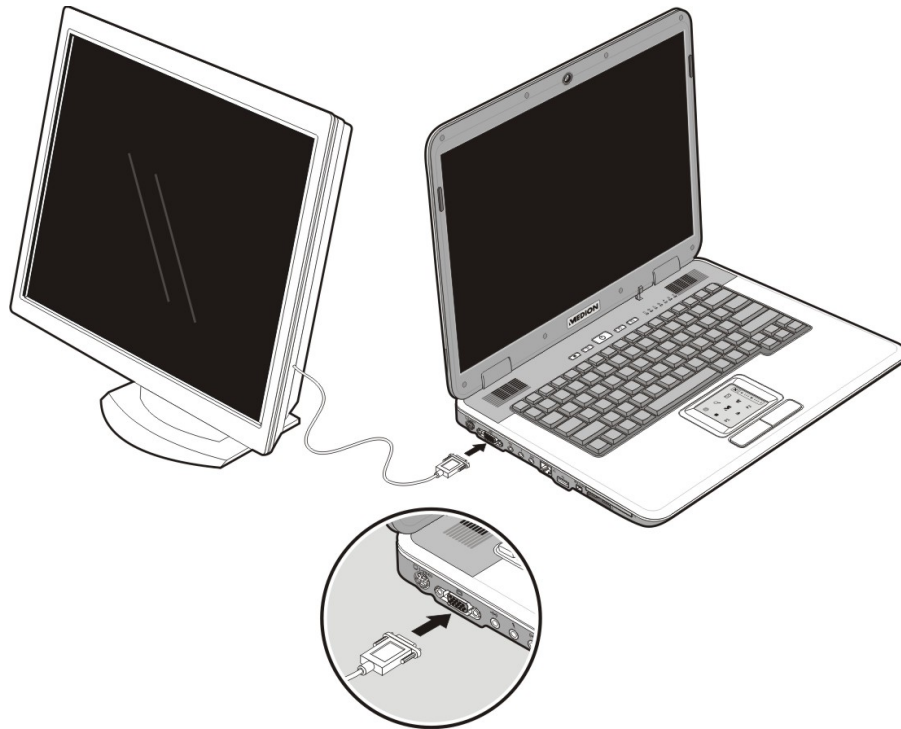
1. First, loosen one side of the cover with slight pressure, until the first lock can be easily seen.
2. Loosen the other side of the screen, also with slight pressure.
3. Push the cover from the notebook and replace it with the new one.
4. Align the new cover to the notebook strip and push it carefully back to the starting position, until it engages.



Connecting an External Monitor

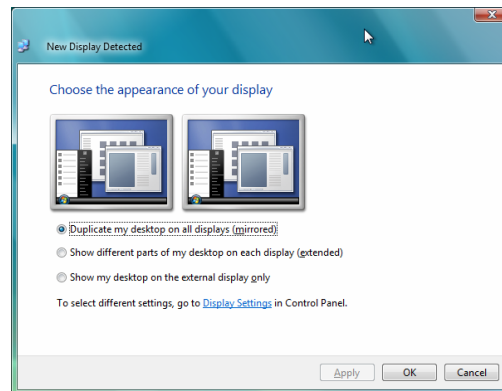
The notebook has a VGA port (12) for connecting an external monitor.

1. Shut down your notebook.
2. Connect the video signal cable of the external monitor to the VGA port of the notebook (12).



3. Connect the external monitor to the AC outlet and power it up.
4. Start your notebook.

The external screen will be determined after the operating system has been loaded. The following Window will appear and various possibilities will be offered to you:



Duplicating the Desktop

This mode duplicates the display of the notebook on the external monitor.

You will switch between the following combinations with the help of the **Fn + F3** key combination:

- Notebook only (1 x Fn + F3)
- External monitor only (2 x Fn + F3)
- Notebook and external monitor (3 x Fn + F3)

Note

The external monitor should support the **same screen resolution** as your notebook (**1280 x 800**) because it is possible to carry out the duplication. You will have to adjust the resolution of the notebook to the external monitor under **Display Settings** in order to carry out the **Fn + F3** command, if your external device does not support the respective resolution.

Extending the Desktop

An empty Desktop will be displayed on the second [external] monitor in this mode. Windows from the first screen can shift to the second one and vice versa.

This option does **not** support the key combination **Fn + F3**.

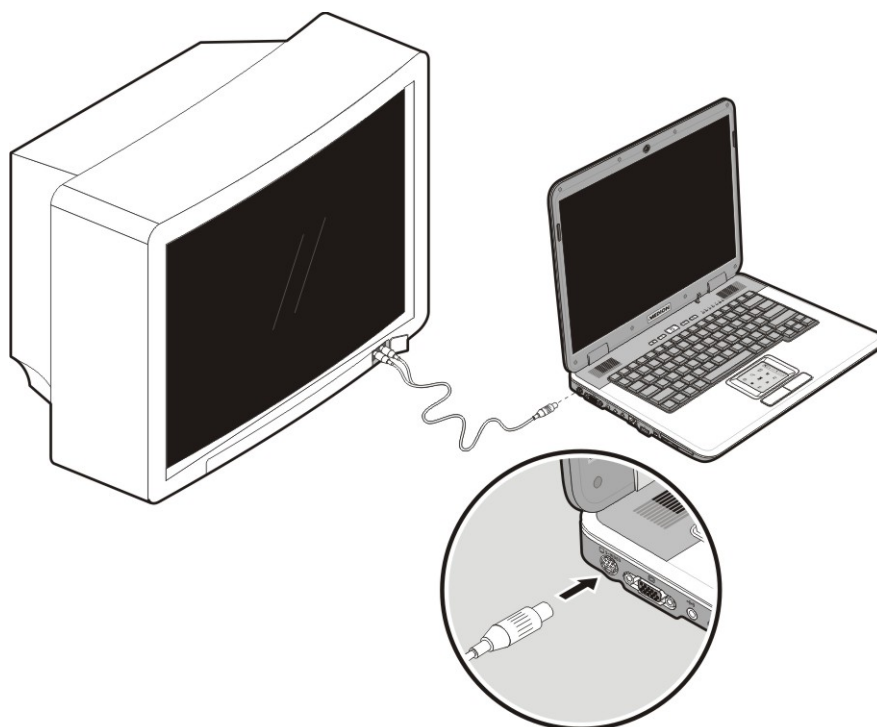
The screen resolution and the color quality of the individual display devices can be set under "**Control Panel** ⇒ **Personalize** ⇒ **Display Settings**".

Connecting a TV

The notebook has a port (11) for connecting a TV. To connect and configure the notebook for a TV:

This option is supported by the **Fn + F3** key combination.

1. Shut down your notebook.
2. Connect the signal cable of the TV device to the S-video connection (11) of the notebook.



3. Connect the TV device to the network and switch it on.
4. Switch on your notebook and boot it properly.

You will be able to switch between the displays with the **Fn + F3** key combination. Proceed as in the case of an external monitor.

Note

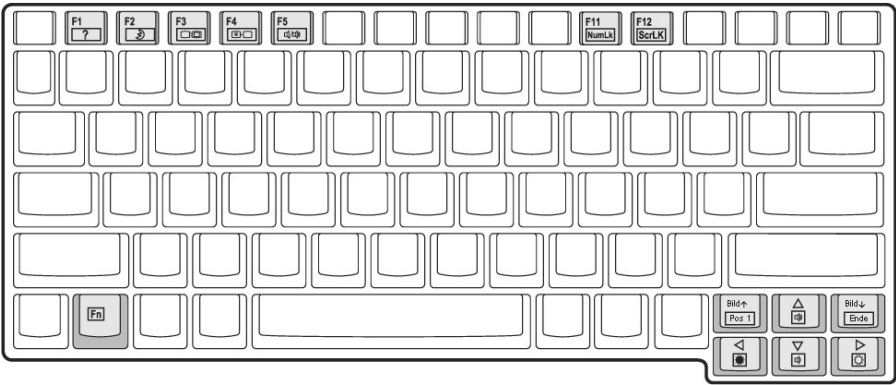
If the option **Extend the desktop onto this monitor** in **Personalization** ⇒ **Display Properties** is activated, it must be deactivated first in order to change the display to the TV set.

Data Entry

Keyboard

By dual assignment of certain keys you have the same range of functions available to you as you would with a normal Windows keyboard. Some functions require using the **Fn** key, which is normal on notebook computers.

Notebook-Specific Key Combinations



Combination	Description
Fn + F1	Help List of the combinations are displayed.
Fn + F2	Sleep Power saving functions. This key combination is set to Hibernate by default. To adjust this key to your own needs go to Personalization ⇒ Screensaver in Power Options .
Fn + F3	Display Toggle between the internal and external monitors and simultaneously displays. When a TV device is attached, switch between the TFT display and the TV device. Display of both at the same time is not supported.

Combination	Description
Fn + F4	Background lighting Switches off the backlight in order to save power. Pressing any key switches the backlight on again.
Fn + F5	Mute Switches the loudspeakers on and off.
Fn + F11	Num↓ Activates and deactivates the numeric keypad assignments (the corresponding LED will light).
Fn + F12	Ro↓ Enables or disables scroll function.
Fn + PgUp	Pos1 Executes the HOME function
Fn + PgDn	End Executes the END function
Fn + ▲	Increases the volume
Fn + ▼	Decreases the volume
Fn + ►	Reduces screen brightness
Fn + ◀	Enhances screen brightness

Safety

Handling

Components

Troubleshooting

Appendix

Touch pad

Your notebook is supplied with a multifunction touch pad that supports additional Multimedia Functions. The mouse pointer (cursor) follows the direction pre-determined on the touch pad by the movement of your finger in normal mode.


Caution!

Do not use a ballpoint pen or other object on the touch pad as this could damage or cause your touch pad to malfunction.

Below the touch pad are the left and right mouse buttons which can be used as you would on a normal mouse. You can also perform a direct click or double click using the touch pad by tapping the surface briefly once or twice. In the Windows Control Panel you will find a number of useful settings that will make using the touch pad easier.

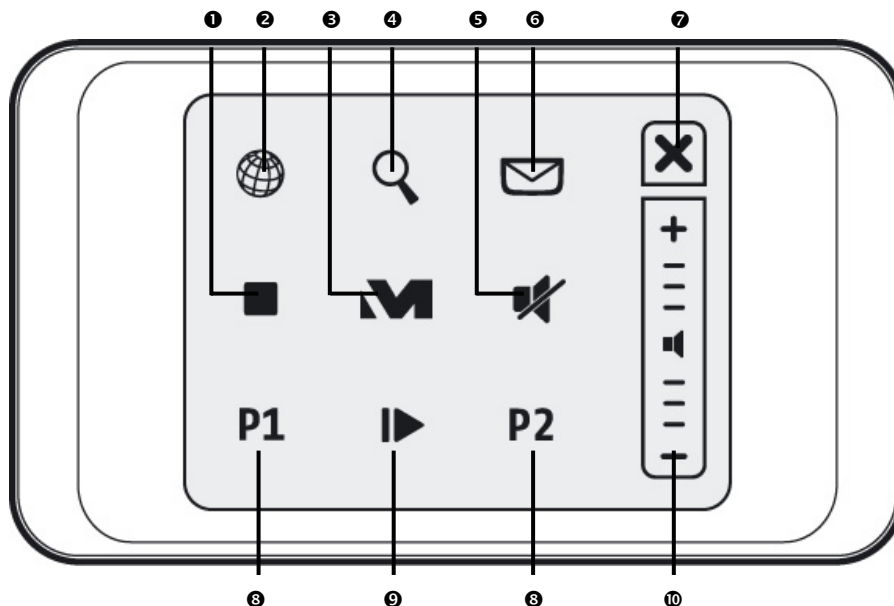
Using the Multimedia Functions











The multifunction touch pad is in normal mode at every system start.

The Multimedia Functions must be activated through the  in the upper right corner in order to be able to use them. The selected fields will be illuminated as soon as you have activated the Multimedia Functions.

The corresponding functions will be called up or commands will be carried out at a single click on the symbols.

An overview of the functions and commands follows.



Re.	Function / Command	Description
①	 Stop*	This command will stop the replay of Media Player
②	 Internet Explorer	This command will call up Internet Explorer. The touch pad will switch back to the normal mode after this field has been operated.
③	 Medion	This command will start Windows Media Player to replay multimedia files. You are able to minimize or maximize the Window with this command if the Media Player has already been opened.
④	 Search	Launches the Windows search program.
⑤		Switches the loudspeakers on and off.
⑥	 E-Mail	This command will start Outlook email program. The touch pad switches back to normal mode after this command has been operated.
⑦	 Mode	This command allows you to switch between Normal and Multimedia modes of the touch pad.
⑧	P1 P2	Button can be selected by the user to gain quick access to a preferred program. You will open the configuration program by the  symbol in the Taskbar.
⑨	 Play/Pause*	Start replaying files in Media Player with one click in this field. A second click will stop the replay and set it to Pause. The replay will be continued by an additional click.
⑩	 Volume control*	Sets the volume by moving your finger up and down on this field. An upward movement increases the volume; a downward movement reduces it.

* These commands can only be carried out in conjunction with the Windows Media Player.

Hard Drive

The hard drive is the main storage medium combining large storage capacity with rapid data access.

The Windows operating system cannot use the full capacity of the hard drive, which means there will be a difference between the capacity that the BIOS displays and what the operating system displays.

The hard drive contains the operating system of the computer, other application programs and backup files. These programs and files are pre-installed on your notebook so you may note that some of the space on your hard drive is already taken.

Whenever the computer is accessing the hard drive, the corresponding LED illuminates.

Warning!

Never switch off the computer while the busy indicator is lit since this may result in loss of data.

If you are looking for a file on the hard drive and you know the name, go to Search on the Start menu to find the file. Following is some general information on where you might find some common files.

Usually your hard drive is divided into several partitions, as shown below. The partitions of your hard drive may vary from what is shown here.

BOOT	C:	Windows Software programs Your documents
RECOVER	D:	Drivers for internal notebook components Installation files for software that came with your notebook Restore software

Important Directories

The most important directories preinstalled on your notebook are shown below. The actual directories may vary from what is shown here.

Warning!

Do not delete or modify these directories or their contents since data could be lost or the functionality of the system could be at risk.

Also pay attention to this:

You will no longer be able to carry out the recreation of the supply status by the application / support CD (page 80) if you have converted the Recovery Partition into a NTFS file system.

- C:** This is the main hard disk drive partition for your notebook. It is where your program files, settings, and documents are stored, as well as files necessary for running Windows.
- C:\Program Files**
Includes files belonging to software programs
- C:\Windows**
The main directory for Windows
- D:\Driver**
Drivers for internal notebook components
- D:\Tools**
Includes installation files for software that came with your notebook
- D:\Recover**
Includes the files needed to perform a system restore

Safety

Handling

Components

Troubleshooting

Appendix

Optical Drive

Loading a Disc

Unlike optical drives of desktop PCs, optical drives of notebooks retain discs with the help of a locking mechanism.

When inserting the disc, you should carefully push the disc **into the locking mechanism** so that it can lock safely in position.

Note

Do not place protective foils or other stickers on your discs. To avoid damage to your drive, do not use deformed or damaged discs.

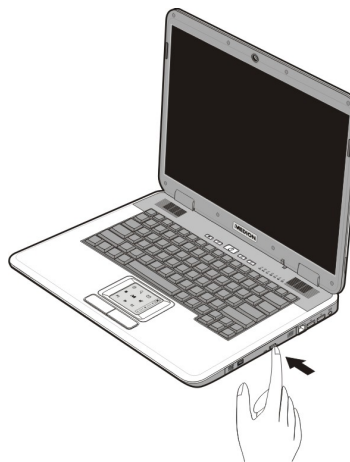
Warning!

Do not use scratched or dirty discs, discs with pieces broken off or discs of poor quality. Because of the high speeds in the drive the discs might break and damage your data as well as your drive. Examine the discs before you insert them. If damage or dirt is visible, you should not use them. Damage caused by faulty media is excluded from warranty and the repair must be charged.

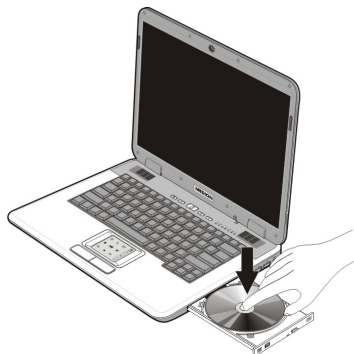
Warning!

The disc can be damaged when the drive drawer is pushed in if it has not been positioned on the support correctly.

1. Press the eject button at the optical drive to open the tray.
2. Pull the tray out completely with care.
3. Remove the disc from its case, without touching the unprinted side if possible.



4. Place the disc on the tray so that it lays flat with the label facing upward and gently push in the tray to close it. The disc will now lie flat on the tray and will engage into the disc holder.



5. Test the disc to ensure it is able to turn freely and then push the tray back into the optical drive carefully.
The '**E**' drive letter will have been allocated to your optical drive in the delivery status. You will have easy access to your files on your discs with Windows Explorer (**Computer**). Start the **Computer** Help Program by the Desktop link or by pressing the Windows key and the '**E**' key at the same time. Open Windows Explorer by **Start** ⇒ **All Programs** ⇒ **Accessories**.
The pre-installed media reproduction will be used automatically during access to DVDs (or audio and video files on normal data CDs).
6. Press the eject button if you want to remove a disc.

Warning!

While the notebook is accessing the optical drive the media activity indicator is lit. Do not try to remove the disc from the drive while this LED is lit.

Emergency Ejection of a Blocked Disc

If the tray fails to open automatically it can be manually opened provided there is an opening for emergency ejection.

Restart your notebook and if the tray is still locked proceed as follows:

1. Shut down Windows and switch off your notebook.
2. Insert a long thin object (a straightened paper clip, for example) into the emergency ejection opening until you feel resistance.
3. Press lightly and the tray will open.
4. Remove the disc and restart the notebook.

Playing Back and Retrieving Data from Discs

Your notebook is able to playback and retrieve audio CDs, DVD movies and data discs.

After loading the disc, your operating system will open a selection window with different options for playback. Normally there are various programs at your disposal.

If your operating system does not open the selection window, you still have the possibility to access by “**Explorer**” or “**Computer**”.

Regional Playback Information for DVD

The playback of DVD movies includes the decoding of MPEG2 videos, digital AC3 audio data and the deciphering of CSS protected contents.

CSS (sometimes called copy guard) is the name of a data protection program incorporated by the movie industry as an action against illegal copies.

Among the numerous regulations for CSS licensees, the most important ones are the country specific playback restrictions.

In order to facilitate the geographically restricted release of movies, DVD titles are released for certain regions. Copyright laws require the restriction of each DVD movie to a certain region (usually the region in which it is sold).

DVD movie versions can be published in several regions but the CSS regulations require that each CSS decipherable system may only be used in one region.

Note

The decoding software included with your notebook may be changed for regional DVD decoding **up to five times**, after which the drive will only play DVD movies for the region setting last entered. Changing the region code after that will require factory resetting which is **not** covered by warranty. If resetting is desired, shipping and resetting costs will be billed to the user.

Subjects Concerning the CD/DVD-Rewriter

This section relates only to devices that have been supplied with a CD-RW, a combination drive or a DVD-RW drive.

First, you will receive information on **blank discs**.

Recordable/Rewriteable Discs

Normal discs are pressed from a digital, glass master and then sealed. In the case of blank discs, the information is burned onto the disc with the laser of the rewriter. Therefore, these discs are more sensitive than normal discs.

Please avoid the following when using recordable/rewriteable discs - especially blanks - that have never been used before:

- exposure to UVA/UVB rays caused by direct sunlight
- scratches and damage to the disc surface
- extreme temperatures

Safety

Handling

Components

Troubleshooting

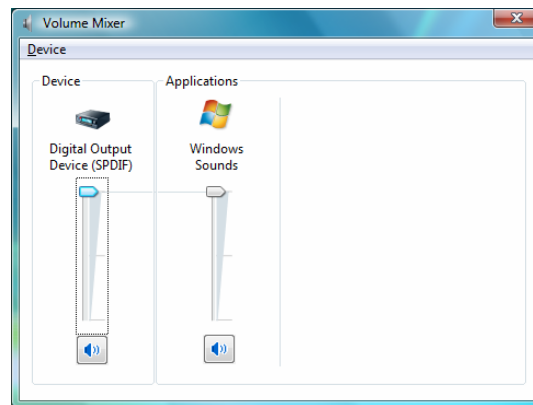
Appendix

Sound Card

Your notebook has a built-in stereo sound card with 16-bit and 3D spatial sound effects (3D). The sound card is compatible with the industry standard Sound Blaster and Microsoft Sound System Version 2.0. This guarantees optimal support for all popular programs and games. If you wish to alter the base volume, click on the loudspeaker symbol in the task bar.



Click **Mixer** in order to open the Volume Mixer.



By using the key combination **Fn + ↑** and **Fn + ↓** you have the possibility to control the volume.

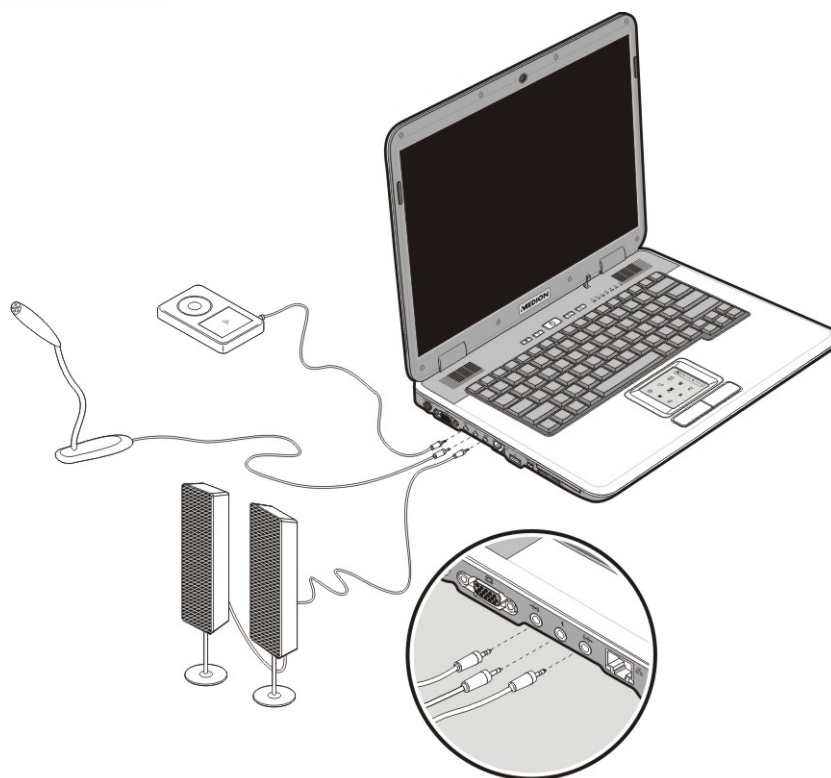
External Audio Ports

Your notebook has a loudspeaker so you can always playback sounds without additional equipment. The use of the external connections gives you a good opportunity to connect your notebook to external devices.



Caution!

The use of headphones with a high volume can lead to hearing damage and/or loss. Set the volume to the lowest level before producing any sound. Then you can increase the volume to the level that is most comfortable for you.



Safety

Handling

Components

Troubleshooting

Appendix

Line In (13)	For reception through an external sound source. For sound reproduction with speakers back surround sound system
Microphone In (14)	For recording via an external microphone. For sound reproduction via an external center / subwoofer surround sound system.
Audio Out / Digital Audio Out (S/P-DIF optical) (15)	For sound reproduction with an external surround decoder via an optical cable (available separately at specialty store). For sound reproduction via external stereo equipment such as loudspeakers (active) or headphones.

By using the external connections, you have the possibility to connect your notebook with a 5.1 surround system.

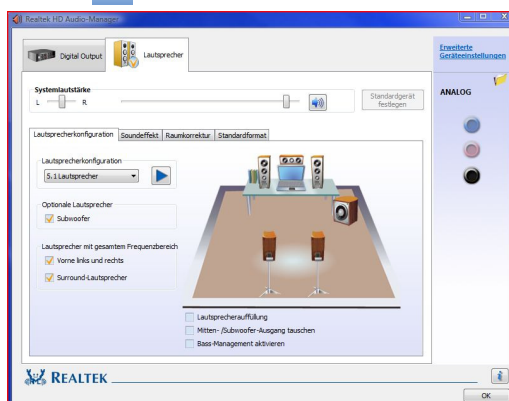
The bundled software allows you to change the necessary settings:

1. Click the following symbol in the taskbar:



The help program for the audio configuration is now invoked. A large number of settings can be carried out with this.

It is also used to set the **loudspeaker configuration** for the surround sound.



You have the possibility to select between the **following** configuration modes:

- stereo*
- quadraphonic
- 5.1 loudspeaker

* Your notebook is preset to **stereo** mode.

Modem

The built-in modem is able to receive data according to the ITU standard for V.90 transmissions with up to 56 Kbit/s. Since the power output of modems is restricted due to the regulations of some telecommunication providers, the possible maximum download speed can be restricted. The actual speed may depend on the online conditions and other factors.

Data sent from the user to the server are transmitted with 31.2 Kbit/s. Prerequisite for this high speed reception is an analog telephone line compatible with the V.90 standard and a corresponding compatible Internet provider or company-owned host computer.

The modem is fitted with an RJ-11 interface, which a standard telephone lead can be plugged into.

Warning!

Only use with an analog telephone line. The modem cannot withstand the voltage levels of digital telephone systems such as PBX or lines such as ISDN or Broadband services (refer to safety instructions on page 7).

Safety

Handling

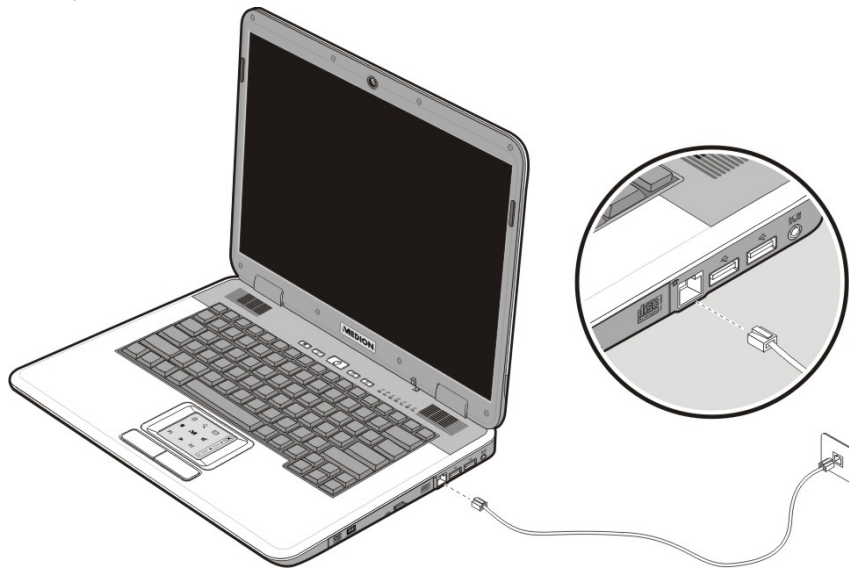
Components

Troubleshooting

Appendix

Modem Port

1. Insert one end of the RJ-11 connection (telephone plug connector) into the modem/network interface (25) and the other into an analog telephone outlet that is easily accessible.

**Note:**

Do not place the notebook in Hibernate or Sleep modes if you are connected to your Internet provider since this will cause the modem connection to be lost.

Network

What is a network?

A network means connecting your notebook to one or several other computers. Users can transfer information and data between computers and share resources such as printers, modems and hard disc drives.

Here are some practical examples:

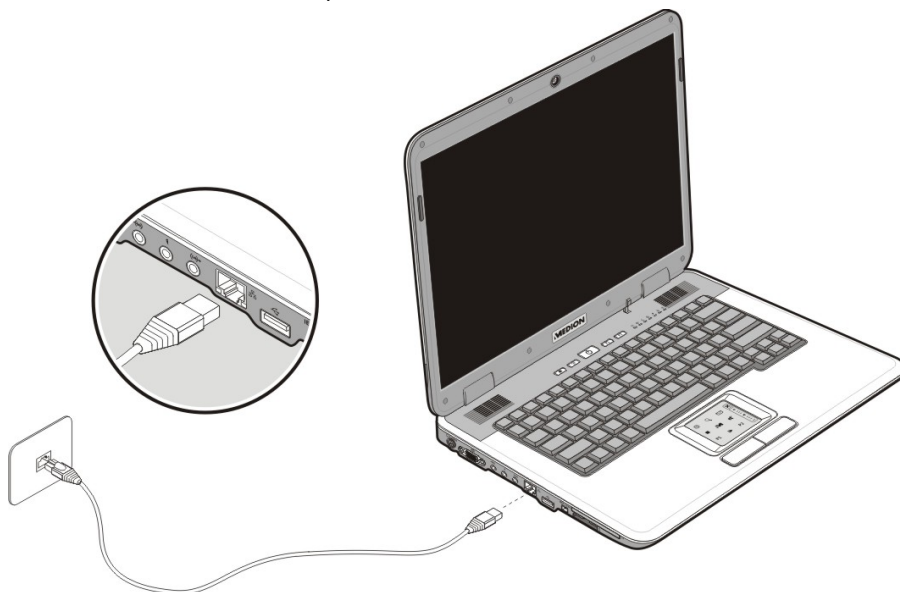
- Exchange email and manage appointments within an office.
- Share a printer in a network and save data on a central server.
- Share one modem for Internet access.
- Two or more computers can be connected to play network games or share data.

Ethernet Network

If your notebook has an Ethernet connection, you can use this to connect to a network.

The following explanation refers to notebooks with a network connector.

Connect one end to the RJ-45 connection at the network interface of your notebook (16) and the other end to another computer or a hub/switch.

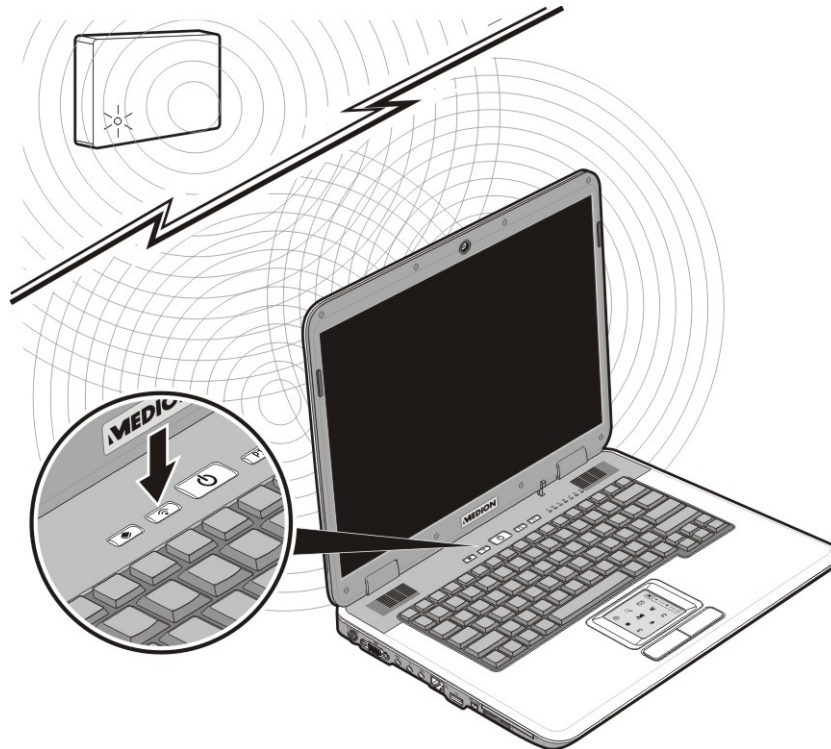


The Windows Help and Support Center offers extensive information about networking your notebook. You can access this information by clicking **Start**, then **Help and Support**.

Wireless LAN

Wireless LAN is an optional feature. This function allows you to create a wireless network link with an access point or directly with another wireless-enabled computer.

Using the Quick Launch Button, you can enable or disable the wireless LAN function. A corresponding LED will light.







Warning!

Ensure the Wireless LAN option is switched OFF in any environment where it might interfere with critical and sensitive devices, for example, on aircraft, in hospitals and other medical centers, so forth.



Conditions

An access point is a wireless transmitter that communicates with your notebook and controls access to the network connection (for example, a home network or a broadband connection such as DSL). Wireless access points are often found in offices, airports, universities or Internet cafés. They offer access to networks or to the Internet. **Access authorizations** are normally needed. A fee may be required to use a public access point. To set up a wireless network to share Internet access, files, and printers at home, you will need an access point, a router, and a broadband (DSL or cable) modem. Some access points can also serve as a router and/or a broadband modem. Check with your retailer or Internet Service Provider to find the best solution for your needs. A link to another computer with wireless LAN functionality can also be created **without an access point**. This will allow you to share files, but you will need an access point and a router to share an Internet connection. The wireless network link works according to standard **IEEE 802.11g** which is also compatible with the IEEE 802.11b standard. The standard 802.11a is **not** supported. If encrypted transmission is used, this must operate according to the **same principle on all devices**. Encryption is a method of protecting the network from unauthorized access. The transmission speed (max. 54 Mbp/s) can vary according to the **distance** and **loading** of the partner.

Troubleshooting within the Network

-  Why does an error message appear when I click on the network environment?
-  The **computer name** must be unique on the network and may not be the same as the **task group**.
-  It appears that the network boards are unable to communicate. What might be the problem?
-  It may be that one of the used network boards works with a **different speed** (for example, 10 instead of 100 Mbit/s) and your network computer is unable to recognize this. If necessary, set the network driver to the compatible speed.

If two computers should be linked you will require a **cross-link** cable, otherwise use a **patch** cable.

In addition, check the **protocols** and the **configuration**.
-  The data transmission is incorrect or very slow. What might be the problem?
-  It may be that you have the wrong cable (UTP / CAT3 or lower) or the problem is the proximity of a power cord or another source of interference.

Multimedia Card Reader

Memory cards are media that are being used for a variety of purposes, especially in digital photography. They are increasingly replacing the floppy disk. The form and capacity of a memory card can vary according to the manufacturer.

Your notebook supports the following formats:

- MMC (Multimedia Card)
- SD (Secure Digital)
- Memory Stick / Memory Stick Pro

When inserting memory cards, ensure that the contacts are facing the correct way. Reference the table below. Incorrect insertion of a card can cause damage to the card reader and/or the card.

Card type	Contacts
SD (Secure Digital)	pointing downwards
MMC (Multimedia Card)	pointing downwards
Memory Stick	pointing downwards
Memory Stick Pro	pointing downwards

Inserting Memory Cards

Note

Memory cards can only be installed in **one direction**.

Push the memory card into the slot.

Removing Memory Cards

To remove the SD, MMC or memory stick, simply pull it from the slot.

Express Card

Your notebook supports the Express standard.

Both Express/34 and Express/54 cards (the naming refers to the size of the cards) are available in the market. Your notebook supports both card formats.


Installing Express Card

Note

Please always read the instructions that come with your Express Card before installation. Remove the dummy card from the slot in the notebook prior to installation. Replace the card to protect contacts against dirt if the slot is not being used.

Removing Express Card

Please take note of the following before removing the Express Card:

- Terminate the program which you used with the card.
- Left click on the icon Safely Remove Hardware  in the taskbar, select the card and click **Stop**.


To remove the card, first push in the contact to unlock it. Pull the card from the slot and store it securely.

Webcam

Your notebook comes equipped with a built-in Internet camera, or webcam. Various services, such as online video chatting, can be used with this device.

Follow these steps to use the webcam:



1. Click the icon  on the desktop.
2. A window with a live picture of the webcam will appear.

Universal Serial Bus (USB) Port

USB ports provide an easy way to connect many peripheral devices to your notebook (17). You can use any USB device with any USB port. Your notebook will have **3 USB 2.0 connection sockets** (USB 1.1 compatible).

Devices connected directly to the USB bus should not draw more than 500 mA. Should the devices need more power than this, it will be necessary to provide a powered hub. The data transfer speed is 1.5 Mbit/s or 12 Mbit/s, depending on the device connected.

Note

Some USB devices require that you reinstall software drivers when you connect the device to a different USB port than the one originally used. This can be avoided by always connecting the same device to the same USB port.

Safety

Handling

Components

Troubleshooting

Appendix

IEEE 1394 (FireWire)

The IEEE 1394 (also known as iLink[®] or FireWire[®]) port (18) provides an easy and high-performance way of connecting high-speed storage, imaging, and many new types of audio/video devices.

Note

Make sure the connector and socket fit precisely to avoid damaging the contacts. Because of its asymmetric form, the plug only fits into the socket one way.

Application Options for IEEE 1394

- Connecting digital devices for entertainment, such as set top speakers, digital video and camcorder, DVD, TV set, etc.
- Multimedia applications and video processing.
- Input and output devices such as printers, scanners, etc.

Technical Specifications

- Depending on the application, the maximum data transfer is about 100, 200 or 400 Mbit/s, corresponding to a data of up to 50 MB per second.
- The device can be plugged in or unplugged during operation (hot plugging).
- The standardized cord ('Shielded Twisted Pair' -STP) includes 6 strands. Two lines are live (8V up to 40V, 1.5 A max.) and can be used as an external power supply. The four signal lines transfer data or control information. Some devices do not require a power supply via the cord so four pin plugs are used instead.

Securing the Notebook

Startup Password

You can protect your notebook against unauthorized use with a password. An invitation to enter your password will appear on screen when the notebook is powered on.

The password will be set up in **BIOS**.

Warning!

Keep your password in a safe place. You are unable to retrieve the password if you forget it. Contact customer service if you fail to remember your password.

You can also use the security options of Windows Vista® to protect your data against unauthorized access. You will find further information in the section “**Data and System Security**”, starting on page 76.

Using a Safety Lock

You can prevent theft by using a **Kensington lock**, which can be bought at your local retailer.

The cable wraps around an object and the “T” shape end inserts into the Kensington lock port and a key or combination dial is used to secure the lock in place. Please keep your key in a safe place.

Safety

Handling

Components

Troubleshooting

Appendix

Software

There are many kinds of help and information for using your notebook. This section tells you where to get help with the Microsoft Windows Vista® operating system, software programs, and your notebook.

Getting to Know Windows Vista®

Windows Vista® offers different options to understand its operation. We will mention only a few of those options here:

Windows Vista® – Quick Start Guide

This handbook will give you a brief overview of the operation of your operating system.

The following topics are covered:

- Initial steps
- Welcome Center
- Innovations
- Help displays

We recommend these reading materials for beginners or those switching from another version of Windows.

Windows Vista® – Help and Support

Answers to almost any question can be found in this program.

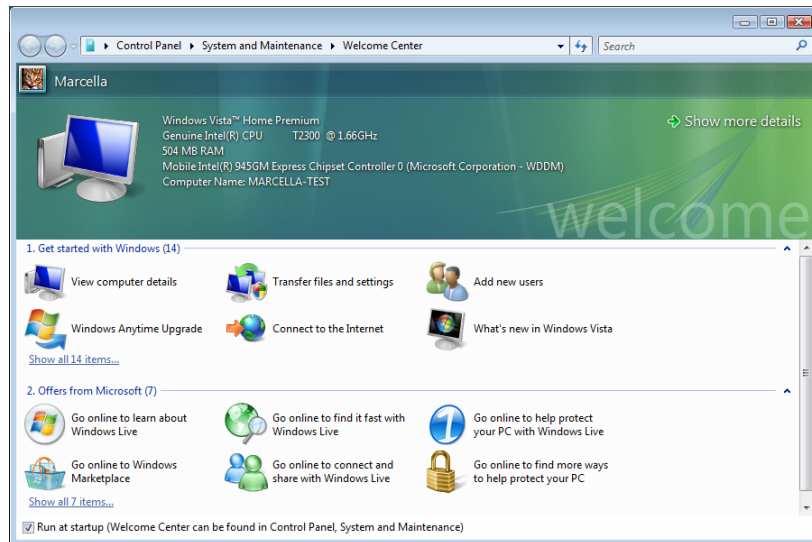
This help function fully covers the Windows operating system.

It is helpful for both beginners and professionals. You can print or bookmark the information, which is categorized into topics. Start this function as follows:

1. Click **Start** 
2. Select **Help and Support** 

Windows Vista® – Welcome Center

You will see the Welcome Center as the first display of the Windows Vista® Desktop. This contains useful links that will make it easier for you to begin using Windows.



It is the aim of this feature to enable both beginners and experienced users to make additional settings for optimal use of Windows Vista® after starting up the notebook.

The Welcome Center has been subdivided into many small groups of subjects so the user will have the possibility of adjusting content optimally to his or her preferences. Following are some of the links:

- View computer details - find information about your notebook
- Transfer files and settings - use this to transfer data, files, and settings from your old notebook
- Add new users - administer and open new user accounts for each notebook user
- Windows Anytime Upgrade - carries out upgrades to higher versions of Windows Vista® in order to utilize the expanded digital features
- Connect to the Internet - configure your Internet access
- What's new in Windows Vista® - learn how the new Windows Vista® operating system differs from previous versions
- Use of email programs
- And much more!

Use the Welcome Center to understand your notebook better and to optimize its features. It also serves as an additional source of information for recognizing and removing potential problems.

Start the Welcome Center as follows (if you had closed it after start up):

1. Click **Start** 
2. Select **Welcome Center**  in the program list.

Windows Vista® – User Account Control

The User Account Control contributes to the prevention of unauthorized changes to the notebook.

A window with the message “**If you started this action, continue.**” will appear as soon as you carry out an unauthorized change.

- Click **Continue** to continue the procedure.
- Click **Cancel** to end the procedure.

Software Installation

Note

If your operating system is configured that the installation process accepts only signed drivers (default) and software, an information screen will appear.

The software included in delivery is **already pre-installed** in the factory.

Attention!

During the installation process, important files can be changed or even cancelled. To avoid eventual problems in using older files after installation, make sure to safeguard your hard drive. See page 76 for further information regarding data backup.




How to Install your Software

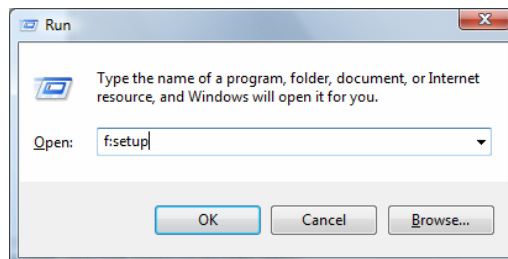
Please follow the instruction of the software vendor. We will describe a typical installation. Once you insert a disc, the installation menu starts automatically.

Note

If the automatic start does not work, it is likely that the **Autorun** function has been deactivated. Read the respective chapter in Windows Help on how to activate this function.

An example of manual installation without the autorun function follows:




1. Click **Start** 
2. Click ► **All Programs**.
3. Open the **Accessories**  program point.
4. Select  **Run**.
5. Enter the letter of the CD-ROM drive followed by a colon and the program name setup:



6. Click **OK**.
7. Follow the instruction given by the program.

Uninstall Software

In order to remove installed software from your notebook, follow these steps:

1. Click **Start** 
2. Click  **Control Panel**
3. Select the **Programs**  option.
4. Select the respective program, start the uninstall process and follow the instructions on screen.

Windows Activation

Microsoft® is committed to the protection of intellectual property rights and the reduction of software piracy. Therefore, Windows Vista® contains software-based product activation technology. Your copy of Windows Vista® has already been **activated for your notebook**.

Product activation is needed if some components of your notebook have been replaced or if you use a non-authorized BIOS. If necessary, you can activate Windows Vista® as often as requested.

You will probably need to activate Windows Vista® by telephone even if Internet activation is available. This is due to the pre-activated SLP version which runs with a special Product-ID. However, activation requires your unique product identification key which can be found on the **Certificate of Authenticity** sticker located on your notebook casing. When you call, please inform your agent that you are running an OEM-(SLP) version of the software.

Product Activation on Your Notebook

In some cases it may still be required to activate Windows Vista®. If activation via the **Internet** is acknowledged with an error message you should perform the following steps.

1. Select the **telephone activation** and click until the related screen appears.
2. Click on **Change Product Key**. A new window appears. Enter the product key.
3. Acknowledge your entry and follow the instructions on screen. Notify your Microsoft® consultant, if necessary, that you have an OEM license.

BIOS Setup Program

In BIOS setup (basic configuration), there are a number of configurable parameter settings available for your notebook. For example, you can change the operating mode of the interfaces, security features or power management.

Warning!

The notebook is factory pre-set to guarantee optimum operation. Only modify the parameters if necessary and if you are familiar with the configuration options.

Running the BIOS Setup

You can only run the BIOS configuration program at system start-up. If the notebook has already started, power it down and then restart. Press the **F2** function key in order to start the BIOS setup.

BullGuard Internet Security

The BullGuard Internet Security Package is a combination of the currently most updated computer security technologies in the market and offers you 24 hour optimum protection.

BullGuard is factory pre-installed so installation is not necessary. If you must carry out an installation (for example, after a system restore), you will find the software package on the application/support CD, supplied with your notebook.

BullGuard Internet Security consists of the following components:

- **Antivirus**
The Antivirus application is the center of any serious computer security application. Screens e-mails and scans your hard drive for viruses. The BullGuard Antivirus combines the highest update frequency in the business with a no-nonsense user-interface.
- **Antispyware***
BullGuard Antispyware protects your notebook from all known kinds of spyware and adware by searching and cleaning files, registry keys, processes and cookies, protecting you from identity theft and the loss of personal information.
- **Spamfilter***
The BullGuard Spamfilter will protect you from annoying spam and potentially costly phishing attempts - a key tool in keeping your Inbox free from unsolicited mail.
- **Backup***
Backing up your files has never been easier with both local and online backup. Not only can you customize the size of your online backup drive to suit your needs - once uploaded, you can access these files from any computer connected to the Internet anywhere in the world!
- **Support***
BullGuard Support is a key component in all BullGuard products. Assistance with all security related questions available to all users directly from the application. No FAQ, no automated response – real people and live help.

*Information

The **Antispyware**, **Spam filter**, **Backup** and **Support** components will only be released at the free registration and will be deactivated after the expiry of 90 days.

Procure a BullGuard subscription through the Internet link given below, in order to be able to continue to use this module.

The BullGuard Internet Security Package will be updated with the most updated virus information for 90 days after the **free registration**.

The registration window will only appear after your notebook has been restarted. You will register by entering your email address.

Note

Keep your password in a secure place.

The antivirus software will continue to run after the expiry of 90 days, but it will no longer be updated so your notebook will not be protected against new viruses.

The purchase of various subscriptions through BullGuard is possible in order to continuously receive the most up-to-date information and updates.

A subscription will be purchased on the Internet and carried out without complications. An additional release or the entering of a license is not necessary. Neither changes nor additional settings will have to be made.

The release will take place automatically after the purchase of a subscription.

Read the information about this on the Internet at:

https://www.bullguard.com/buy_new.aspx?

Safety

Handling

Components

Troubleshooting

Appendix

Chapter 4

First Aid

Subject	Page
FAQ	75
Data and System Security	76
System Recovery	79
Troubleshooting	81
Maintenance	84

Safety

Handling

Components

Troubleshooting

Appendix













|

|

|

|

FAQ – Frequently Asked Questions

-  Do I still have to install the enclosed discs?
-  No. Basically all programs are already preinstalled. The discs are merely intended as backup copies.
-  What is the Windows activation?
-  Your owner's manual includes a chapter on this subject, refer to page 69.
-  When do I have to activate Windows?
-  Your software has been pre-activated in the factory. Activation will only be required if...
- ... several components are replaced by others.
 - ... a new motherboard is installed.
 - ... a different BIOS version has been installed.
 - ... the software is installed in another computer.
-  How do I perform a data backup?
-  Make a backup and a retrospective backup of selected data on external media (CD-R, for example), in order to familiarize yourself with the technology.
- A backup is unusable if you are not in a position to recreate the data, the medium (CD-R) is defective or is no longer available.
-  When is the recovery of the factory setting recommended?
-  This method should be chosen as the last resort. Refer to page 79, "**System Restore**" concerning possible alternatives.
-  Why is the boot partition missing when booting from the support / application CD?
-  The first partition is formatted with the file system NTFS. Compared to FAT32, this file system offers more security and more efficient access. However, NTFS partitions can only be read from operating systems supporting this. This is not the case in the support / application CD included with your notebook.

Safety

Handling

Components

Troubleshooting

Appendix

Data and System Security

The programs described below are part of your Windows operating system. You will find additional information about these programs in the Windows Help file.

Data Security

Backup data regularly on external media such as a CD-R or CD-RW. Windows offers **Backup Status and Configuration**.

To use these tools, click the **Start** menu, choose **Accessories**, then **System Tools**. You should make a backup disc with all your passwords and the operating system's original configuration.

Maintenance Programs

You can avoid some hardware and software errors with disk maintenance programs such as **Disk Defragmenter** and **Disk Cleanup**. The program **System Information** can also be helpful since it gives you detailed information about your system configuration. To use these tools, click the Start menu, choose **Accessories**, then **System Tools**.

Password Reset Disc

To protect individual user accounts from complications resulting from lost passwords, users should create a password reset disc and keep it in a safe place. If the user should forget their password, it can be reset with the password reset disc. The user will regain access to their local user account.

Windows® Help describes how to create a password reset disc.

Windows® Update

Windows Update is the online updating of Windows. Use Windows Update to download elements such as security updates, important updates, the newest help files, drivers and Internet products from the Internet.



The website is regularly improved with new content so you can download the newest updates and error corrections at any time to protect your notebook and guarantee its functioning.

Windows Update will search through the notebook and provide a list of individual updates specially for the configuration of your notebook.

Each update that Microsoft regards as important for the operation of the operating system, programs or hardware components will be classified as an "important update" and automatically selected for installation.

Important updates will be provided to remove known problems and to protect the notebook against known security risks.

Carry out four simple steps to download updates needed and to keep your computer on the current status of technology:

1. Click **Start** .
2. Click ► **All Programs**.
3. Open **Windows Update** .
4. Click **Check for update**.
5. Click **Add** to select the desired update to be installed while searching through available updates in each category. You can also read a complete description of each individual element by clicking the **Read further** Link.
6. Click **Check and install updates** when you have selected all the desired updates, then click **Install now**.

Safety

Handling

Components

Troubleshooting

Appendix

Windows Update Information for Data Security

Windows Update needs certain information about the respective notebook so a suitable list with updates can be provided for you. This information will include the following:

- Version number of the operating system
- Version number of Internet Explorer
- Version numbers of additional software programs
- Plug & Play identification key of the hardware devices

Windows Update will stand up for the protection of your private data and will not record your name, address, email address or other forms of personal data. The information collected will only be used during the time that you are visiting the website and will not be stored.

System Restore

Windows Vista® provides a useful function (**System Restore**) enabling the storage of the **recovery points**.

The system remembers the current configuration as a snapshot and returns to this if necessary. The advantage is that an unsuccessful installation can be cancelled.

Recovery points are created automatically by the system, but they can also be set manually.

You can determine and configure for yourself the maximum memory taken up by this. You will find this under the program file in **Accessories** ⇒ **System Tools**.

We recommend setting a **recovery point** before installing a new software or driver. If the system does not run stable any longer this enables you usually to return to a workable configuration without deleting newly created documents. In the next paragraph, read your repair options of an incorrect installation.

Correction

Windows Vista® includes various functions ensuring that the notebook, as well as the installed applications and devices, work properly.

These functions assist you in solving the problems which might occur by adding, deleting or replacing files required for the functionality of the operating system, the applications and devices. The recovery function or functions you use depend on the type of occurring problem or error. For detailed information refer to Windows® help.

Safety

Handling

Components

Troubleshooting

Appendix

System Restore powered by Symantec



If your system is not functioning properly and Windows Vista® **System Restore** did not solve the problem, then you should use the application / support CD to restore your system.

Limits of the Recovery

- Changes made to the original configuration (RAS, Desktop or Internet settings) and installed software will be ignored by this recovery and will not be reloaded.
- Driver Updates or hardware installed by you will be ignored by this recovery.

Warning!

All data on drive C will be erased. If necessary, backup all required data on drive D. (You **must** pay close attention to the information located on pages 4 and 76).

This recovery will reset your system to its **original condition at the time of delivery**. Printer installations or other additional software must be reinstalled.

Performing System Restore

1. First, please carefully read the entire **System Restore** section of the Windows Help file.
2. Insert the application / support CD and reboot the notebook.
3. Select the option "**Boot from CD-ROM**".
4. Follow the instructions on screen.

The notebook will restart and return to its original condition at the time of delivery.

Troubleshooting

Safety

Localize the Cause

In most cases, errors are due to simple causes with easy solutions. In some cases, however, it is due to faulty equipment. If you are experiencing a problem with this notebook, read this section to look for possible solutions to common problems. Should you require further assistance, please feel free to contact MEDION Customer Care.

Handling

Check Cables and Connections

Visibly check all cables and connections. If all LEDs are off, check to see if all equipment is supplied with power.

- If you are operating the notebook in battery mode, connect the notebook to the power adapter to verify that the battery is charged.
- If you are operating the notebook with the power adapter, check the AC outlet, power cord and all switches in the circuit of the AC outlet.
- Switch off the notebook and recheck all cable connections including the peripherals. Do not exchange cables, even though they may look similar, as the polarity in the cables may be different. When it is confirmed that the notebook and all devices have power and that all connections are correct, restart your notebook.

Components

Troubleshooting

Appendix

Common Problems and Solutions

The screen is black:

- This error can have different possible causes:
 1. The operational display (Power ON /OFF switch) does not illuminate.
Solution:
Operate the Power ON /OFF switch.
 2. The sleep display is flashing. The notebook is in the sleep mode.
Solution:
Operate the Power ON /OFF switch.
 3. The background lighting has been deactivated with the FN+F4 shortcut.
Solution:
Press any key to turn on the backlight again.

The notebook switches itself off during operation.

- The battery could be empty. Connect the notebook by means of the power adapter and charge the battery.

The notebook cannot be switched on.

- Operate the notebook by the battery and check whether it is correctly inserted and charged.


Wrong date and time.

- Double-click the time display on the taskbar and correct the date and time.

No data can be accessed from the optical drive.

- Check whether the disc is inserted correctly.
- Is the optical drive displayed in Windows® Explorer? If so, insert another disc to test.

The WLAN connection is not functioning.

- Using the quick launch button  you can enable or disable the wireless LAN function.

Additional Support

If the suggestions in the above section have not solved your problem, please contact MEDION Customer Care and we will attempt to help you solve the problem. Before contacting the support center, 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 taken to resolve the problem?
- Have you upgraded or removed drivers or hardware?
- Can you manually repeat the problem?
- If you have been given a customer number previously, please have this available.

Driver Support

This notebook has been extensively tested in our laboratories with a large number of compatible devices. It fulfills all required standards and complies with the standard "Designed for Windows", which certifies utmost compatibility. However, the software drivers for individual components are updated from time to time. This is a regular process provided by the manufacturer to mend possible compatibility problems that may occur with components (for example, programs or hardware) that were not tested at the time of your notebook's production. Driver updates and the latest information on your product are available on the Internet.

Visit Medion on the Web at www.medionusa.com

Safety

Handling

Components

Troubleshooting

Appendix

Maintenance

Warning!

Never open the notebook casing; no user serviceable or user cleanable parts are inside the notebook.

Following these measures can extend the lifetime of your notebook:

- Before cleaning, always turn off the computer and remove the power plug and all connecting cables.
- Clean the notebook only using a damp, lint-free cloth.
- Do not use any solvents, corrosive or gaseous cleaning agents.
- Do not use CD-ROM cleaning discs or similar products that clean the lens of the laser on your optical drive.
- Dust or grease on the touch pad will impair its sensitivity. Remove dust or grease on the surface of the touch pad with a strip of sticky tape.

Care of the TFT Display

- Always close the notebook when not in use. Avoid touching or scratching the surface of the screen as it is easily damaged.
- Make sure that no water drops are allowed to remain on the screen. Water can cause permanent discoloration.
- Clean the screen using a dry, soft, lint-free cloth.
- Do not expose the screen to bright sunlight or UV rays.
- The notebook and its packaging are recyclable.

Transporting the Notebook

Please use the following guidelines when transporting the notebook:

- Switch off the notebook. This will prevent damage to the hard drive. When the notebook is switched off, the hard drive components are moved into a safe area.
- Wait until the notebook has reached ambient (room) temperature before connecting it to the power supply. Drastic variations in temperature and humidity can create condensation within the notebook and may cause it to short-circuit.
- Close the notebook and ensure the cover locks shut.
- Always use the notebook carrying case. This helps protect the notebook from dirt, moisture, jolts and scratches.
- Should you need to ship your notebook, always use the original packaging and make certain the shipper knows the contents contain fragile electronic equipment.
- Fully charge your battery and any spare batteries before a long journey.
- Inquire about the electricity and communication provision at the destination location.
- Obtain the necessary adapter for electricity or communication (modem, LAN, etc.), if necessary, before starting your journey.
- Put the battery into the packaging separately when dispatching the notebook.
- We recommend sending the notebook and all magnetic storage media (floppy discs, external drives) through the x-ray machine when you are passing baggage checks at airports. Avoid all metal detectors, including handheld devices, since data can be destroyed, among other potential consequences.

Safety

Handling


Components

Troubleshooting

Appendix

Recycling and Disposal



Device 

At the end of its life, the notebook can be recycled or its materials reused - assuming the notebook has not been abused. The notebook and its packaging were produced mostly from environmentally-friendly materials that can be safely disposed of and professionally recycled.



Batteries

Batteries should not be disposed of in household trash! Return used batteries to the manufacturer, dealer, or local recycling center for proper disposal.

If you have any questions concerning proper disposal of the notebook, batteries or packaging, please contact your dealer.

Batteries and Proper Treatment

Batteries may contain combustible materials. By misuse, this may cause battery **leakage**, **heat**, **explosion** or **ignition**, bringing about **personal injury** or **damage** to the device. Please strictly observe the following matters:

Caution!

Lithium batteries can not handle intense pressure, high temperatures or fire. Danger of explosion if replaced incorrectly. Replace batteries with a compatible type as recommended by the manufacturer. Lithium batteries are hazardous waste and require proper disposal. Contact MEDION Customer Care for additional information on proper battery disposal.

- Keep children away from batteries.
If by any chance the batteries are swallowed, consult a doctor immediately.
- Do not charge batteries (except rechargeable batteries).
- Do not forcibly discharge batteries.
- Do not short-circuit batteries.
- Do not heat or dispose of batteries in a fire.
- Do not disassemble or deform batteries.
Your hands and fingers may be injured, or the liquid of the battery may get into your eyes or adhere to your skin. If this happens, rinse with a large quantity of water immediately and consult a doctor.
- Do not expose batteries to strong impact by dropping or throwing.
- Do not reverse the positive (+) and negative (-) terminals to avoid short-circuit.

- Do not mix used and new or different types of batteries together. Your equipment may not operate properly. In addition, the battery exhausted first may be excessively drained (over-discharged).
- Remove promptly the used batteries from the device.
- Replace all batteries with new batteries of the same type at the same time.
- Insulate the terminal parts with tape or similar at the storage or disposal of the batteries.
- Check that the contacts in the device and on the batteries are clean and clean them if necessary, before inserting the batteries.
- Batteries should not be disposed of in household trash! Return used batteries to the manufacturer, dealer, or local recycling center for proper disposal. Thank you!

Safety

Handling

Components

Troubleshooting

Appendix

Upgrades and Repairs

- Only a qualified engineer should perform upgrades and repairs to your notebook.

Notes on Laser Radiation:

- Laser devices of Laser Class 1 to Laser Class 3b may be used in the notebook. Where the notebook casing remains closed, the device meets the requirements of Laser Class 1.
- By opening the notebook casing you will gain access to laser devices of up to Laser Class 3b.

When removing and/or opening laser devices, the following guidelines must be observed:

- The CD-ROM/CD-RW/DVD/DVD-RW drive contains no user-serviceable parts. Only the manufacturer should perform repairs to these drives.
- DO NOT look into the laser beam, even while wearing optical protection.
- DO NOT allow yourself to be exposed to the laser beam. Avoid exposure of the eyes or skin to direct or stray radiation.

Chapter 5

Appendix

Subject	Page
Standards	91
Index.....	94

Safety

Handling

Components

Troubleshooting

Appendix

|

|

|

|

Standards

This notebook meets the requirements of the following standards:

Electromagnetic Compatibility

- When connecting additional components, please observe the guidelines on Electromagnetic Compatibility (EMC). Please note only shielded cables shorter than 9.84 feet should be used for external interfaces (LPT, COM, USB, IEEE 1394, audio, video and network) with this notebook.
- Keep the notebook at least three feet away from high frequency and magnetic interference sources (for example, TV sets, speakers, mobile phones, etc.) in order to avoid malfunctions and/or loss of data.

Pixel Defects on TFTs (LCD-Displays)

ISO 13406-2 Class II

Active matrix LCDs (TFT) with a resolution of **1280 x 800** pixel (**WXGA**), which are in turn composed of three sub-pixels each (red, green, blue), contain about **3.1** million addressable transistors. Because of this very high number of transistors and their extremely complex production process occasionally defective or incorrectly addressed pixels or sub-pixels may occur.

There have been several attempts in the past to define the acceptable number of defective pixels but this can be difficult and varies widely between manufacturers.

MEDION, therefore, adheres to the clear and strict requirements of **ISO 13406-2, class II**, for the warranty handling of all TFT display products. These requirements are summarized below.

Within ISO-standard 13406-2, the general requirements regarding pixel defects are defined. Pixel defects are classified into three failure types and four failure classes. Each individual pixel is made up of three sub-pixels in the primary colors (red, green, blue).

Safety

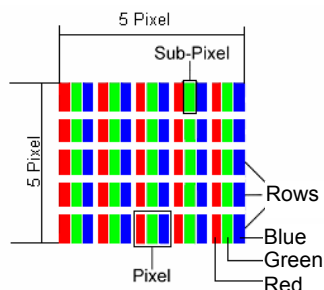
Handling

Components

Troubleshooting

Appendix

Pixel Structure



Types of Pixel Failures:

- Type 1: a constantly lit pixel (a bright, white spot), even though it is **not** addressed. A white pixel is caused when all three sub-pixel are lit.
- Type 2: a pixel that does not light up (dark, black spot), although it is addressed
- Type 3: abnormal or defective red, green or blue sub-pixels.
(for example, constantly lit with half the brightness, one color is not shining, blinking or flickering, but not belonging to Type 1 or 2 pixel failures)

In addition: A cluster of type 3 (= 2 or more defective sub-pixels in an array of 5 x 5 pixel). A cluster is an array of 5 x 5 pixel (15 x 5 sub-pixel).

ISO 13406-2, Class II

Resolution	Type 1	Type 2	Type 3	Cluster Type 1, Type 2	Cluster Type 3
1024 x 768	2	2	4	0	2
1280 x 854	3	3	6	0	3
1280 x 1024	3	3	7	0	3
1400 x 1050	3	3	8	0	3

Example:

A 17" SXGA display consists of 1280 horizontal and 1024 vertical picture dots (pixel), which amounts to a total of 1.31 million pixels. Based on one million pixels, this translates into a factor of about 1.31.

Class II type failure consequently allows for three defects each of type 1 and type 2 and 7 defects of type 3 and 3 cluster of type 3.

These cases are normally not covered by warranty.

If the number of failures exceeds the figures of any category mentioned above then this may be covered by the warranty.

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.

Safety

Handling

Components

Troubleshooting

Appendix

MEDION Limited Warranty

PLEASE READ THIS LIMITED WARRANTY CAREFULLY TO UNDERSTAND YOUR RIGHTS AND OBLIGATIONS.

MEDION warrants that the **MD 96340 Notebook PC, item #6352**, accompanied by this limited warranty is free from manufacturing defects in material or workmanship for a period of 24 months from the date of original purchase. This warranty only applies to the original purchaser of the product. The limited warranty period also applies to any implied warranties that may exist under applicable law. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This limited warranty does not apply to products that have been opened, repaired (except by MEDION or its authorized Service representatives), or otherwise altered. This limited warranty does also not apply to defects resulting from misuse, abuse, accident, neglect, improper maintenance or handling.

If you believe the product is defective please return it to MEDION in the manner described below within the limited warranty period. If MEDION determines a defect covered by this limited warranty, MEDION will, at its Option, repair or replace the product. This limited warranty extends to repaired products and replacement products only through the end of the original limited warranty period.

In no event shall MEDION or any of its distributors or resellers be liable for incidental, indirect or consequential damages relating to the product (including any repaired product or replacement product) or its use. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

This limited warranty gives you specific legal rights, and you may have other rights which vary from State to State.

To make a claim under this limited warranty you must first contact MEDION Customer Care using one of the options below to obtain a return merchandise authorization (RMA) number. Once you have received the RMA, please return the product as instructed by the RMA. This warranty does not apply to any products returned to MEDION without a RMA.

To obtain a RMA please contact MEDION Toll Free Customer Care at:

www.medionusa.com

or

1-866-633-4660

Index

A

All Programs	18, 22, 47, 67, 77
Ambient Temperature	5
Audience	i
Autorun	67

B

Batteries and Proper Treatment	86
Battery Operation	8, 29
Battery Power	32
Charging	31
Checking the Battery Level	32
Discharging the Battery	31
Removing	30
Battery Power	32
BIOS Setup Program	69
BIOS Utility	
Running	69
BullGuard Internet Security	70

C

Cabling	7
Care of TFT Displays	84
CD/DVD-Rewriter	49
CD-blanks	49
CD-ROM	46
Charging the Battery	31
Checking the Battery Level	32
Connectors	
External Monitor	37
Modem	53
Power Socket	14
Sound Card	50
S-Video TV out port	13
TV	39
USB	61
Control Panel	23
Correction	79

D

Data and System Security	76
Data Entry	40
Data Security	4
Directories	45
Disc-Drive	46
Discharging the Battery	31
Discs	
Loading	46
Removing Blocked Discs	47
Display	34
Opening and Closing the Display	34
Driver Support	83
Drivers	45
DVD-Drive	46

E

Electromagnetic Compatibility	91
Emergency Ejection of a Blocked Disc	47
Express Card	
Installing	59
Removing	59
Express Card/54	59
Extended Desktop	38
External Monitor	37

F

Factory Settings	
Recovery	80
FAQ	75
Fast Ethernet Network	55
FCC Compliance Statement	93
Files	
Finding	44
Finding Files	44
Fn	40
Frequently Asked Questions	75

Safety

Handling

Components

Troubleshooting

Appendix

G	
Getting Started.....	19
Inserting the Battery.....	19

H	
Hard Drive.....	44
Partitions.....	44

I	
Icons	22
IEEE 1394.....	62
IEEE 1394 (FireWire).....	62
Indicators	
Access	16
Battery	16
Capital Lock	16
Number Lock.....	16
Power.....	16
Sleep Indicator	16
Wireless LAN	16
Introduction	3
ISO 13406-2 Class II.....	91

K	
Kensington Lock	63
Keyboard	40

L	
Laser radiation	88
License Agreement.....	21

M	
Main components.....	25
IEEE 1394.....	62
Main Components	
Multimedia Card Reader	58
Main Operation	28
Maintenance	84

Care of the TFT Display	84
Transporting the Notebook	85
Maintenance Programs	76
Memory Cards	
Inserting.....	58
Removing	58
Memory Stick.....	58
MMC.....	58
Modem	53
Modem port	54
Mouse.....	42
Multimedia Card	58
Multimedia Card Reader.....	58
Multimedia Functions.....	42

N	
Network	55
Fast Ethernet Network.....	55
Troubleshooting.....	57
What is a Network?	55
Wireless LAN.....	56
Notebook Views	
Activity LED Optical Drive.....	14
Audio Out	13
Card Reader.....	13
Device Indicators	13
Disc Eject Button	14
Emergency Ejection.....	14
Express Card/54.....	13
IEEE 1394	13
Kensington Lock.....	14
Keyboard	13
LAN port	13
Line In.....	13
Microphone.....	13
Modem Port.....	14
Multifunction touch pad.....	13
Optical Drive	14
Power ON/OFF	13
Power Socket	14
Quick Launch Buttons	13
S-Video TV out port	13
TFT Display	13
USB-Port	13, 14
VGA.....	13

P	
Partitions	44
Password Reset Disc	76
Power	
Turning Off Your Computer	22
Power Management	33
Power On/Off Button	27
Power Supply	6, 27
Battery Operation	29
Hibernate Mode	33
Main Operation	28
Sleep Mode	33
Program Bar	22
Programs	
Location	45
Q	
Quality	ii
Quick Launch Buttons	17
R	
Recover	45
Recovery	
Factory Settings	80
Recycling and Disposal	86
Removing the Battery	30
Repairs	88
Restoring	
Limits	80
Running the Bios Setup	69
S	
Safety and Maintenance	1
Safety Instructions	
Ambient Temperature	5
Battery Operation	8
Cabling	7
Data Security	4
Modem	7
Power supply	6
Setup location	4
Touch Pad	7

Upgrades and Repairs	88
Screen Resolution	34
SD	58
Search	44
Secure Digital	58
Securing the Notebook	
Startup Password	63
Setup Location	4
Sleep Mode	33
Software	64
Uninstall	68
Windows Activation	69
Sound Card	50
External Audio Ports	51
Special Keys	18
Standards	91
Electromagnetic Compatibility	91
FCC Compliance Statement	93
Start Button	22
Support	83
Suspend to Disc	33
System Recovery	
Correction	79
T	
Table of Contents	vi
Task Bar	22
Touch pad	7, 42
Transport	85
Troubleshooting	81
Turn Off Computer	22
U	
Universal Serial Bus	61
Upgrades and Repairs	88
Using a Safety Lock	63
V	
Views	
Device Indicator	15
Left side	13

Safety

Handling

Components

Troubleshooting

Appendix

W

Windows Vista®

Control Panel	23
Getting to Know	64
Help	23
Help and Support	64
Quick Start Guide	64
User Account Control	66
Welcome Center	65
Windows® Desktop	22
Windows® Update	77
Wireless LAN	56
Working in Comfort	5