

# MEDION®

## Digital 3D Camcorder

MEDION® LIFE® X47006 (MD 86390)

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Bedienungsanleitung  
Instruction manual  
Mode d'emploi

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## About this introduction



Read the safety instructions carefully before use. Note the warnings on the device and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the unit or give it away, make sure you also hand over these instructions and the guarantee card.

## Symbols and key words used in these instructions



**DANGER!**

**Warning: immediate mortal danger!**

**CAUTION!**

**Warning: possible mortal danger  
and/or serious irreversible injuries**



**WARNING!**

*Please note the following guidelines to  
avoid injuries and property damage!*

**CAUTION!**

*Please note the following guidelines to  
avoid property damage!*

	<p><b>NOTE!</b> Additional information on using the device</p>
	<p><b>NOTE!</b> Observe the notes in the operating instructions!</p>
	<p><b>CAUTION!</b> <b><i>Warning: danger of electric shock!</i></b></p>
<ul style="list-style-type: none"><li>•</li></ul>	<p>Bulleted item / information on operating steps and results</p>
<ul style="list-style-type: none"><li>▶</li></ul>	<p>Tasks to be performed</p>

## **Proper use**

This camcorder is designed for the recording of pictures and video clips. Recorded pictures and videos can be transferred to a PC. Alternatively, they can be viewed on a TV via the USB-AV or HDMI interface. The camcorder is intended solely for private use and not for commercial purposes. Improper use shall void any warranty and liability on the part of the manufacturer.

# Safety instructions

## General

- This unit is not intended for use by people (including children) with reduced physical, sensory or mental abilities, unless they are supervised by a person responsible for their safety or they have been instructed on its use. Children should be supervised to ensure they do not play with this unit.
- Always adhere to the user instructions of the devices that you connect to the camcorder.



### ***DANGER!***

***Keep the plastic packaging out of the reach of children as it can cause suffocation!***

## Preventing electric shock

- Never open the camcorder casing or the charger cradle, except to insert the battery.
- Connect the charger cradle to a professionally installed AC 230 V ~ 50 Hz mains socket.
- To remove the power cord quickly and easily from the mains in an emergency, the socket must be easily accessible and close to the appliance.
- Do not kink or crush the power cord.

- Use only the charger supplied.
- Take measures to prevent moisture or liquid from penetrating the camcorder or the charger cradle.
- Never touch the charger cradle with wet hands.
- Never use the camcorder if the power cord is defective.
- To avoid any danger, replace the charger cradle and its power cord by a charger unit of the same type if either component is damaged. In such a case, please contact our service centre.
- In the event of a fault or malfunction, immediately switch off the camcorder.
- Protect the camcorder and charger cradle from rain and splash water.
- Do not place vessels containing liquids, such as vases, on or near the appliance or the charger cradle and protect all parts of the device from rain and splash water. The vessel might tip over, and the liquid might impair the electrical safety of the product.

### **Risk of explosion**

- Never expose the batteries to excessive heat (sunlight, open fire, etc.).
- Do not throw batteries into a fire.
- Never short-circuit the (rechargeable) batteries.
- Do not dismantle (rechargeable) batteries.



### **CAUTION!**

*There is a risk of explosion, if rechargeable batteries are replaced incorrectly. Replace batteries only with the same or equivalent type.*

#### **Preventing fire hazards**

- Always uncoil the entire length of the power cord.
- Ensure there is adequate ventilation and never cover the charger cradle.
- Do not place naked flames – such as lit candles – on or near the unit.

#### **Risk of poisoning**

- Keep the battery out of reach of children.

#### **Risk of chemical burns**

- Always remove spent batteries from the device, as there is an increased risk of leakage. Avoid contact with skin, eyes and mucous membranes. If any of these areas come into contact with battery acid, rinse them immediately with plenty of clean water and contact a doctor without delay.

#### **Preventing damage to the camcorder**

- If the battery is leaking, immediately remove it from the camcorder. Before inserting a new battery, clean the contacts.
- Use only the lithium-ion battery supplied.

- Before inserting the battery, check that the contacts in the camcorder and on the batteries are clean. If necessary, clean the battery connections with a clean, dry cloth or an eraser.
- Do not touch the lens or lens mounting.

### **Preventing damage to the battery**

- Never insert the battery the wrong way round. Always ensure correct polarity at the +/- terminals.
- Never allow the battery to come into contact with liquids.
- Direct intense heat can damage the battery. Therefore do not expose the camcorder to any sources of direct heat.
- If the camcorder is not to be used for long periods, remove the battery.

### **Preventing breakage**

- Do not drop the camcorder.
- When carrying the camcorder, always place the strap around your wrist.

### **Preventing data loss**

- Never interrupt the power supply while data are being processed.

### **Preventing damage to SD cards**

- Never remove the SD card from the camcorder during the data saving process.

## **Protection from condensation**

- Do not expose the camcorder to rapid changes in temperature.
- Place the camcorder in a protective case or plastic bag before exposing it to any sudden changes in temperature.
- If the camcorder is cold, wait until it has reached room temperature before connecting it to the power cord. The device can safely be connected for charging as soon as the unit has reached room temperature.
- Do not use or store the camcorder in direct sunlight or at high ambient temperatures.

## **Battery charge capacity**

At low temperatures the capacity of the battery might drop significantly as chemical reactions are slowed down. When recording in cold weather, keep a second battery pack in reserve in a warm place (e.g. trouser pocket).

## **Information about 3D**

- Warning regarding photosensitive epilepsy and other health risks.
  - Some viewers may experience an epileptic seizure or stroke when they are exposed to flashing images or flashing lights, as does occur in some television films or video games. Please consult your doctor before using the 3D function if you or your relatives have a past history of epilepsy or palpitations.

- Do not watch any 3D films if you feel disorientated, listless, tired and ill, or if you have consumed alcohol. Do not watch 3D films for hours on end.
- Even people without a personal or family history of epilepsy or palpitations can have an undiagnosed “propensity for photosensitive epilepsy” without being aware of it.
- If you have any of the following symptoms, then immediately stop watching 3D images and consult a medical specialist: **(1) visual disorders, (2) daze, (3) dizziness, (4) involuntary movements of the eyes or muscles, (5) confusion, (6) nausea, (7) clouded awareness, (8) convulsions, (9) seizures and/or (10) disorientation.**

Parents should observe their children and ask whether any of the above symptoms have occurred. Such symptoms are more likely to occur in children and teenagers than in adults.

- Some 3D images can frighten the viewers. Pregnant women, seniors and people with epilepsy or a serious illness should refrain from using the 3D function on this device.
- We advise you not to watch 3D images when you are in a poor physical condition, exhausted or have consumed alcohol.
- By immersing yourself in the images, negative effects such as travel sickness, long-term perception disorders, disorientation and eye strain may occur.
- Therefore, take regular breaks as this will reduce the danger of such effects from occurring. This is also recommended for other devices, such as keyboards and computer monitors, where you

tend to focus or concentrate on them. Stop using the device if your eyes start showing signs of tiredness or dryness, or if one or more of the symptoms described above occur.

- The ideal viewing distance is about 30 – 40 cm between the LCD screen and your eyes. We recommend that the viewer sits in such a way that his eyes are at the same height as the screen. In some people this can reduce the 3D effect.

## **System requirements**

If you wish to connect the camcorder to a PC, the computer must meet the following requirements:

Pentium P III or higher (recommended: P4), free USB 2.0 interface and 1 GB of free hard disk space with Operating system Windows® XP SP3, Windows Vista® SP1 or Windows®7

# Before use

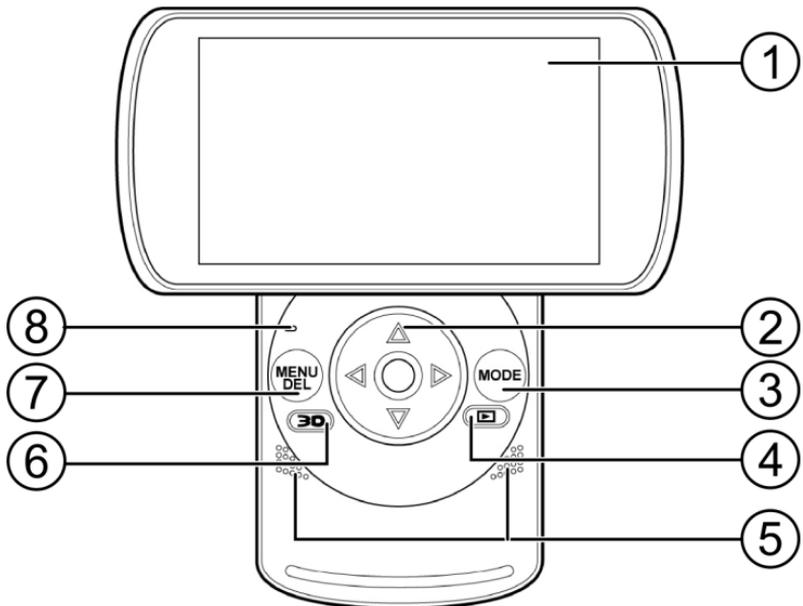
## Checking the package contents

Please check your purchase to ensure that all items are included. If parts are missing, please contact us within 7 days of purchase. The following items are supplied with your product:

- Full HD camcorder
- 1 lithium-ion batteries
- Charge cradle with power cord
- HDMI cable
- USB/AV cable
- Case
- Carrying strap
- Software CD
- Operating instructions and warranty documents

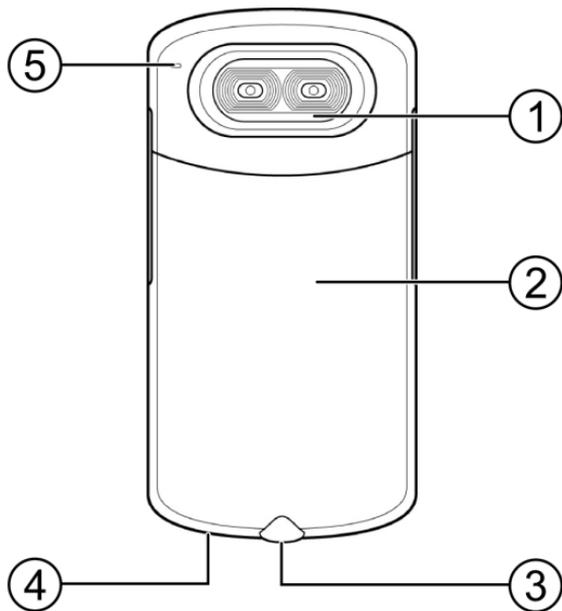
# Overview of the device

Front side



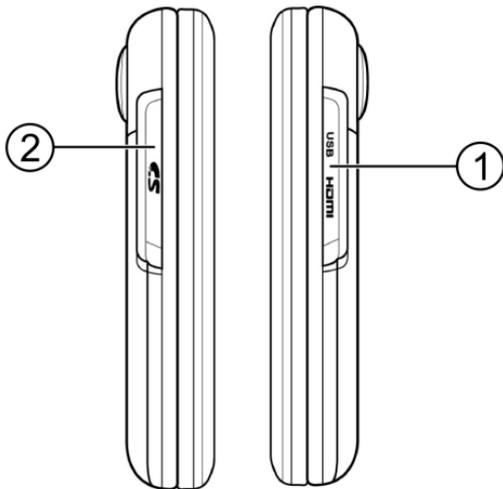
1. Display
2. Arrow buttons and record button
3. **MODE** button
4. Playback button 
5. Speaker
6. **3D** button 
7. **MENU/DEL** button
8. Operating LED

## Rear side



1. Camera lens
2. Battery compartment cover
3. Tripod socket
4. Fixture for carrying strap
5. Microphone

## Sides



1. USB port and HDMI port
2. SD card slot

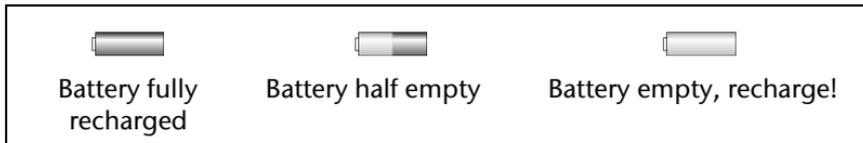
# Charging the batteries

## Charging battery prior to first use

Before using the camcorder for the first time, you must charge the battery.

This can be done by placing the battery in the supplied charge cradle or directly in the camcorder, provided that the device is connected by the USB cable to a computer.

The battery charge level is indicated by a symbol on the display:



## Removing and inserting battery

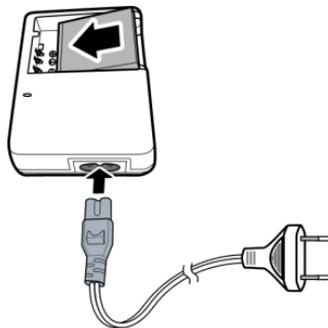
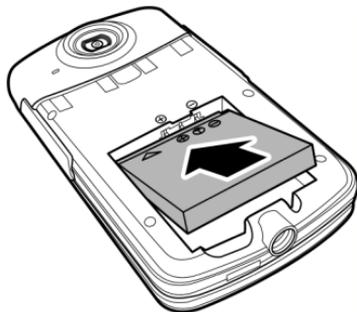
- ▶ Remove the cover of the battery compartment by sliding it towards the tripod socket.



- ▶ Remove the empty battery (if any) and insert the charged battery as shown.

## Charging battery in charge cradle

- ▶ Place the battery you wish to charge in the charge cradle. The battery contacts must touch the contacts on the charger.
- ▶ Push the battery against the spring contacts. Ensure that the battery is positioned properly below the guide edge in the tray.
- ▶ Using the power cord, connect the charge cradle to a AC 230 V ~ 50 Hz mains socket.
- The orange LED indicator lights up.
- The charging time is approx. 2 hours. As soon as the battery is fully charged, the green LED indicator lights up.



- ▶ Disconnect the charge cradle from the mains supply.



**CAUTION!**

*The charger is designed to prevent overcharging. Nonetheless, unplug the charger from the mains to avoid unnecessary power consumption.*

## Charging battery in camcorder

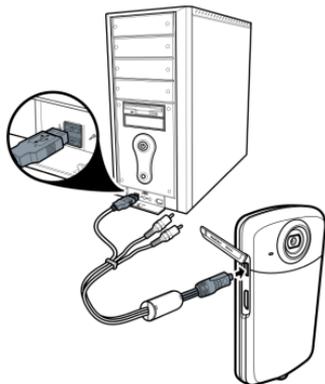
- ▶ Ensure that the rechargeable battery is inserted in the camcorder. Connect the mini USB plug of the USB/AV cable to the camcorder and connect the other end of the cable to a free USB port of your computer.

**NOTE:**



The camcorder must be switched off for charging.

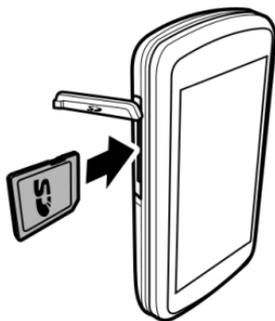
- The charging process starts immediately. During charging, the red charger LED on the side of the device lights up.
- The charging time is approx. 2 ½ hours. When the battery is fully charged, the charger LED is switched off.



# Start-up

## Inserting the memory card

- To save files to a SD memory card, insert it in the card slot and push it in until it engages. The metal contacts must face towards the bottom of the device.
- To remove the memory card from the card slot, press the card gently in so that it disengages.



### **NOTE:**

When the card is inserted photo and video files that are taken with the camcorder are stored on the card and can be viewed in playback mode. The display shows .

If no memory card is inserted in the camcorder, the photo and video files are stored in the internal 128 MB memory and can also be viewed in playback mode. The display shows **MEM.**



**CAUTION!**

*Do not use force when trying to insert the memory card! The card can only be inserted in one direction. Incorrectly inserted memory cards can damage the camcorder or the card.*

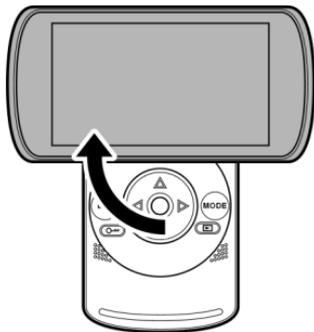
# Operation

## Switching on camcorder

- Turn the display clockwise. The display is switched on and the green operating LED lights up.

## Switching off camcorder

- Turn the display counterclockwise. The display light is off and the camcorder switched off.



is

## Selecting operating mode

- ▶ Press the **3D** button to switch the recording mode of the camcorder from 3D mode to 2D mode.
- ▶ Repeatedly press the **MODE** button in both modes to select the video or photo mode, or to call up the setup menu.
- In video mode, the  symbol is displayed in the left top corner of the display.
- In photo mode, the  symbol is displayed in the left top corner of the display.

# Recording videos

- ▶ Switch on the camcorder and press the **MODE** button to select the video mode  and press the  button to choose between 3D or 2D modes.

## Setting the exposure correction

Before starting to record, press the arrow buttons  and  to select the desired exposure value. The exposure value is available in nine stages from -2.0 to +2.0 in 0.5 increments.

The chosen setting appears as a symbol  in the middle of the lower screen edge; the symbol disappears when the value is set to 0.

## Starting recording/zoom function/ terminating recording

### Starting recording

- ▶ To start recording, press the record button.

The record symbol  **REC** is displayed in the top left corner of the display. In addition, the recording time is displayed.

### Terminating recording

- ▶ To terminate the recording, press the record button again.

The record symbol  **REC** on the display is off.

## Zooming during recording

- ▶ Press the arrow button ◀ to zoom out (wide angle).
- ▶ Press the arrow button ▶ to zoom in (tele lens angle).

The digital zoom rate is displayed by means of a bar.



**NOTE:**

The zoom function cannot be used when recording in 3D.

## Display in video mode



1. Video mode
2. Display for the white balance setting
3. Zoom level
4. Elapsed recording time
5. Number of videos already recorded
6. Remaining memory in %
7. Memory to which data is saved
8. Display for the exposure correction setting
9. Display for the colour mode used
10. Display for the chosen resolution
11. Battery charge level

# Taking pictures

- ▶ Switch on the camcorder and select photo mode  with the **MODE** button; press the  button to select either the 3D or 2D mode.

## Setting the exposure correction

Before starting to record, press the arrow buttons  and  to select the desired exposure value. The exposure value is available in nine stages from -2.0 to +2.0 in 0.5 increments.

The chosen setting appears as a symbol  in the middle of the lower screen edge; the symbol disappears when the value is set to 0.

## Taking picture/zooming

### Take one picture

- ▶ Press the record button half down to activate automatic exposure measurement.
- ▶ To take the picture, press the record button.

## Zooming

- ▶ Repeatedly press the arrow button ◀ to zoom out (wide angle).
- ▶ Repeatedly press the arrow button ▶ to zoom in (tele lens angle).

The digital zoom rate is displayed by means of a bar.



**NOTE:**

The zoom function cannot be used when recording in 3D.

## Display in photo mode



1. Photo mode
2. Display for the white balance setting
3. Zoom level
4. Number of photos taken
5. Remaining memory in %
6. Memory to which data is saved
7. Display for the exposure value
8. Display for the colour mode used
9. Picture resolution
10. Battery charge level

# Viewing recorded videos and photos



## NOTE!

Video recordings and photos can only be played back in 3D via the camera's screen or on a television with 3D capability.

If you play back a 3D recording on a conventional television, the recordings of the left and right lenses will be displayed separately.

- ▶ To view video recordings, select video mode. To view photos, select photo mode.
- ▶ Press the playback button  to view the stored video or photo files.
- ▶ Browse through the recorded files by pressing the arrow buttons ◀ and ▶ select the file you wish to view.

## Exiting playback mode

- ▶ Press the **MODE** button to exit the playback mode and to select another operating mode.

## Video playback

### Starting/terminating playback and adjusting volume

- ▶ To start a video playback, call up the video/photo file list and press the record button.
- ▶ To terminate the playback, press the record button again.
- ▶ During playback, you can adjust the volume by pressing the arrow buttons ▲ and ▼. The volume is indicated by a bar in the middle of the display.

### Fast forward/rewind, slow motion

- ▶ During playback, repeatedly press the arrow buttons ◀ and ▶ to change to fast forward/rewind. Fast forward/rewind is available at speed rates of **2x**, **4x** and **8x**.

## Viewing photos

### Open thumbnail view

- ▶ When viewing photos, use the arrow button ▼ to switch from photo view to thumbnail view.
- ▶ Using the arrow buttons ▲ ▼ ◀ ▶ you can now select a thumbnail preview.
- ▶ You can switch back to photo view by pressing the record button.

# Deleting videos and photos

- ▶ Switch to video or photo playback and then select a file to delete.
- ▶ Press the **DEL** button.

The delete function bar is displayed.



## Deleting one file

- ▶ Using the arrow buttons ◀ and ▶, select the 🗑️ symbol to delete the currently displayed file. Press the record button. The selected file is deleted.
- ▶ Using the arrow buttons ◀ and ▶, select the ✖ symbol and press the record button to abort the delete process.

## Terminating deletion

- ▶ Using the arrow buttons ◀ and ▶, select the ✖ symbol and press the record button or the **MODE** button to terminate the delete function.



**CAUTION! DATA LOSS!**

*When deleted, the data is irretrievably lost.*

*We therefore strongly recommend that you take a backup of your data before using the delete function.*

# Setup menu

- ▶ Switch on the camcorder and select the setup menu by pressing the **MODE** button.



- ▶ Select a menu option using the arrow buttons ▲ and ▼ .
- ▶ Change the setting or value using the arrow buttons ◀ and ▶ .

## Exiting menu

To exit the setup menu, press the **MODE** button again.

## Language

Here, you can set the language for the setup menu.

The following languages are available: German, English, French, Italian, Dutch, Portuguese and Turkish.

## Setting date and time

- ▶ Select the menu item **Date/Time** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.

Using the arrow buttons ◀ and ▶, select a field, then press the arrow buttons ▲ and ▼ to change the value.

The date and time are displayed as follows:

**year / month / day – hours / minutes**

- ▶ To save the new settings, press the record button.

## Formatting memory card/internal memory

Select this option to format the internal memory or the memory card (if inserted).

- ▶ Select the menu item **Format** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ At the prompt, use the arrow buttons ◀ and ▶ to check the box ✓ and confirm with the record button. The formatting process of the memory is started.
- ▶ Select the ✕ symbol using the arrow buttons ◀ and ▶ and confirm with the record button to abort the formatting process.



### **CAUTION! DATA LOSS!**

*When formatting the internal memory or the memory card, all stored data is irretrievably lost.*

*During formatting, do not switch off the camcorder and do not remove the memory card! The internal memory or the memory card could otherwise be damaged so that the camcorder cannot be switched on again!*

*We strongly recommend that you take a backup of your data before formatting the memory.*

## **Default settings**

Select this entry if you want to reset the camcorder to the default settings.

- ▶ Select the menu item **Reset** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ At the prompt, use the arrow buttons ◀ and ▶ to check the box ✓ and confirm with the record button to reset to the default settings.
- ▶ Select the ✕ symbol using the arrow buttons ◀ and ▶ and confirm with the record button to abort the reset process.

## **Energy saving option**

Here you can specify the time until the camcorder switches of automatically to save battery energy.

- ▶ Select the menu item **Save energy** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ Select the desired option **1 Min.** or **5 Min.** using the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ Select the **X** symbol using the arrow buttons ◀ and ▶ and confirm with the record button to switch off the save energy option.

## Frequency

Select here the frequency for video playback on a television set (50 or 60 Hz).

## TV standard

Select here the TV standard for video playback on a television set (NTSC or PAL).

## Tones

- ▶ Select the menu item **Standard settings** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ At the prompt, use the arrow buttons ◀ and ▶ to check the box ✓ and confirm with the record button to reset to the default settings.
- ▶ Select the ✕ symbol using the arrow buttons ◀ and ▶ and confirm with the record button to abort the reset process.



### **PLEASE NOTE!**

You will always hear the shutter even when the sounds have been deactivated.

# Settings in video mode

The settings in video mode are identical for 3D and 2D recordings; any deviations will be indicated in the relevant menu item.

## White balance

Set the camcorder here to the white balance of the light at the location for filming.



- ▶ Select **Auto** to activate the Automatic White Balance.
- ▶ Select  to set the camcorder to daylight recording.
- ▶ Select  to set the camcorder to reduced daylight recording.
- ▶ Select  to set the camcorder to fluorescent light recording.
- ▶ Select  to set the camcorder to light bulb light recording.

## Resolution

Set the desired resolution here for video recordings.

The following settings are available:

Einstellung	Auflösung in Pixeln	2D	3D
<b>WVGA</b>	<b>848 x 480 px</b>	<b>X</b>	<b>X</b>
<b>VGA</b>	<b>640 x 480 px</b>	-	<b>X</b>
<b>720p</b>	<b>1280 x 720 px</b>	<b>X</b>	-

## Colour

Set one of the 3 effects for the recording here.



- ▶ Select **Colour** to produce colour recordings.
- ▶ Select **Sepia** to produce recordings with an “antique” effect.
- ▶ Select **Black/White** to produce recordings in black & white.

# Settings in photo mode

The settings in photo mode are identical for 3D and 2D recordings; any deviations will be indicated in the relevant menu item.

## White balance

Set the camcorder here to the white balance of the light at the location for filming.



- ▶ Select **Auto** to activate the Automatic White Balance.
- ▶ Select  to set the camcorder to daylight recording.
- ▶ Select  to set the camcorder to reduced daylight recording.
- ▶ Select  to set the camcorder to fluorescent light recording.
- ▶ Select  to set the camcorder to light bulb light recording.

## Resolution

This menu item is only available in 2D mode.

Set the desired resolution here for taking photos.

The following settings are available:

<b>Einstellung</b>	<b>Auflösung in Pixeln</b>
<b>5M</b>	<b>2592 x 1944</b>
<b>8M</b>	<b>3200 x 2400</b>

## Colour

Set one of the 3 effects for the recording here.



- ▶ Select **Colour** to produce colour recordings.
- ▶ Select **Sepia** to produce recordings with an “antique” effect.
- ▶ Select **Black/White** to produce recordings in black & white.

## Date stamp

This menu item is only available in 2D mode.

Set here whether the date should be shown on the photo or not.

- ▶ Select the menu item **Date stamp** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.

- ▶ At the prompt, use the arrow buttons ◀ and ▶ to check the box ✓ and confirm with the record button to activate this function.
- ▶ Select the ✕ symbol using the arrow buttons ◀ and ▶ and confirm with the record button to deactivate this function.

## Serial photo function

This menu item is only available in 2D mode.

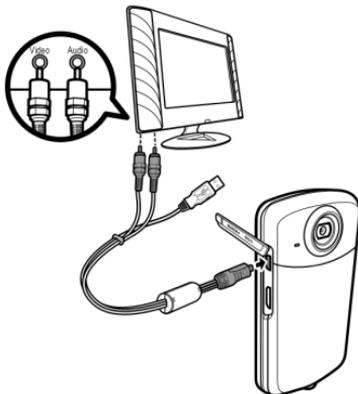
The serial photo function allows you to take multiple photos in series by keeping the record button pressed down.

- ▶ Select the menu item **Serial photo function** with the arrow buttons ◀ and ▶ and confirm the selection with the record button.
- ▶ At the prompt, use the arrow buttons ◀ and ▶ to check the box ✓ and confirm with the record button to activate this function.
- ▶ Select the ✕ symbol using the arrow buttons ◀ and ▶ and confirm with the record button to deactivate this function.

## Connecting camcorder to TV set

To view photos and videos on a television set, proceed as follows:

- ▶ Connect the USB/AV cable to the USB port of the camcorder.
- ▶ Connect the white and yellow plugs of the USB/AV cable to the corresponding sockets on the television set.
- ▶ Switch on the television set.
- ▶ The camcorder's LCD screen switches off.
- ▶ The photos will be displayed on the TV set.

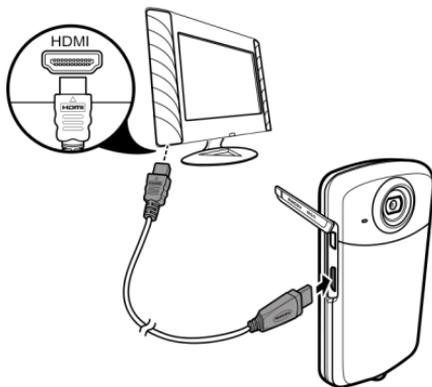


### **NOTE:**

As long as the camcorder is connected to a television set, the LCD screen is switched off.

## Connection via HDMI

To view recorded videos in HD, connect the camcorder with the HDMI cable to the digital port of your television set.



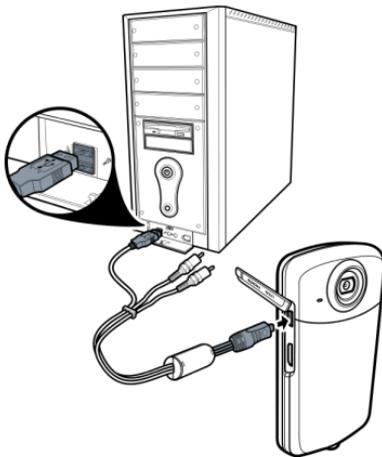
# Connecting camcorder to computer

You can copy your pictures and videos to a computer.

- ▶ Connect the mini USB plug of the USB/AV cable to the camcorder and connect the other end of the cable to a free USB port on your computer.
- ▶ Switch on the camcorder so that the system can automatically detect the type of connected storage device.

Supported operating systems:

- Windows XP; Windows Vista; Windows 7



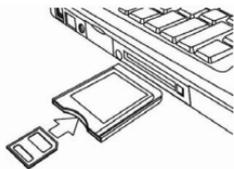
# Installing the software

The enclosed CD contains the driver files and the ArcSoft Total Media software, which allows you to edit your pictures and video files.

- ▶ Insert the CD in the CD drive of your computer.
- ▶ Normally, the CD is automatically recognised and its contents are displayed on the screen. If this is not the case, select the CD drive in Windows Explorer > My Computer and double-click the drive name to start the CD.
- The start page shows an overview of the contents of the CD.
- ▶ To install the software, double-click the **Total Media HDCam.exe** icon.
- ▶ To install the software, follow the on-screen instructions.
- For more detailed information regarding the operation of the software, refer to the enclosed quick guide for ArcSoft Total Media.

## DCF memory standard

The files on your camcorder are managed (saved, named, etc.) as specified by the DCF standard (DCF = Design Rule for Camera File System). You can also use your camcorder to view files stored on memory cards from other DCF cameras.



## Card drive

If your PC is equipped with a card drive or is connected to a card reader and you have saved your pictures and video clips on the memory card, you can of course use just the card to copy the files to your PC.

## Memory folder structure

The camcorder saves the recorded files in folders on the internal memory or on the memory card. The following folders are automatically created upon saving:

- DCIM: This is the main directory on the memory card; all photos and video recordings in this directory are saved in the relevant subdirectories.
- 100MA3D: All 3D photos are saved in this directory.
- 200MA2D: All 2D photos are saved in this directory.
- 300VID3D:-All 3D video recordings are saved in this directory.
- 400VID3D: All 2D video recordings are saved in this directory.

The files are automatically named "PH3D", "PH2D", "MP3D" or "MP2D", followed by a four-digit number.

A maximum of 9999 photos or videos can be saved to each folder. Afterwards, a new directory will be set up for the next photo or recording e.g. if the directory 200MA2D contains 9999 photos, then a new directory 201MA2D will be set up. A maximum of 999 folders can be created.

If another recording is made, an error message will appear ("Directory cannot be created"). In this case, insert a new memory card. A new file structure is set up, starting with file "0001" in folder "100DCIM".

Do not attempt to change the folder and file structure on the camcorder (by renaming, etc.). You might destroy the files by doing so.

# Disposal

## Packaging



Your camcorder is packaged to protect it during transport. All packaging is made from raw materials that can be reused or recycled through normal household waste recycling.

## Device



At the end of its service life, do not dispose of the camcorder through normal household waste. Dispose of it in an environmentally friendly manner by bringing it to a local WEEE collection point. Contact your local authority to find out where your nearest collection point is located.

## Batteries



Do not dispose of spent batteries through normal household waste. The batteries must be brought to a collection point for batteries for safe disposal.

## Maintenance and care

Clean the housing, lens and display as follows:

Clean the camera housing using a soft, dry cloth.

Do not use thinners or detergents that contain oil, as these could damage your camcorder.

Before cleaning the lens and the display, use a lens brush to remove any dust. Then wipe the lens and display with a soft cloth. Do not apply any pressure to the display and do not use hard objects to clean it.

Do not use strong cleaning agents for the housing and lens (if there is dirt that cannot be removed, contact your dealer).

# Technical data

## Camcorder

Sensor:	5.0 mega pixels CMOS
Aperture/	
Focal distance:	F = 2.8 / f= 4.76 mm
LCD monitor:	8.89 cm / 3.5 " LCD screen (16:9)
File formats:	JPEG, AVI
Battery:	NP40 rechargeable Li-ion battery 3.7 V; 720 mAh type: KLIC7001
Memory:	Internal: 128 MB internal memory (usable memory may vary) External: SD/SDHC card (max. 8 GB)
Port:	Mini USB 2.0
Dimensions:	113 x 59 x 19 mm (H x W x D)
Weight:	115 g, incl. battery

## Charger cradle

Model number:	TC03G-2U025-0421D
Manufacturer:	Technics-GP
Input voltage:	100-240 V ~ 50/60 Hz max. 0.11 A
Output voltage:	4.2 V  0.6 A

**CE** This mark on the camcorder certifies that the camcorder complies with EU guidelines (European Union) on radio interference. CE stands for Conformité Européenne (European conformity).

# ArcSoft Total Media™ HDCam 2.0

## Quick start instructions



# Introduction

Total Media™ HDCam by ArcSoft is desktop software that combines media management and playback functions.

## **Media management**

You can import media files for editing, uploading and creating photo books and albums from the device.

## **Playback function**

With Total Media™ HDCam by ArcSoft you can view photos and playback video clips.

## **System requirements**

**Operating system:** Windows XP SP2, Vista and Windows 7

**CPU:** Intel / AMD Dual-Core or higher

**Memory:** 1 GB or more

**Graphics card:** DirectX 9 or DirectX 10 (recommended)

**Port:** Standard USB 1.1 connection or higher

**Hard drive:** A minimum of 2 GB free fixed disk storage

## Installation

How to install the Total Media™ HDCam:

- ▶ Connect your device to your desktop or notebook PC.
- ▶ Insert the installation CD in the DVD/CD drive.
- ▶ The CD starts automatically.
- ▶ Follow the instructions to complete the installation.

If the CD does not execute automatically follow the steps below to install the software:

- ▶ Double-click on Workstation.
- ▶ Move the cursor to the DVD/CD drive.
- ▶ Right-click and then click Open.
- ▶ Double-click Total Media HDCam.exe.
- ▶ A wizard appears and guides you through the installation.
- ▶ Follow the instructions to complete the installation.

## How to uninstall

How to install the Total Media™ HDCam:

- ▶ Click on **Start > Programs > ArcSoft Total Media HDCam > Uninstall.**
- ▶ A wizard appears and guides you through the uninstallation.
- ▶ Follow the instructions to complete the uninstallation.

## Language

How to change the language of the user interface after installation:

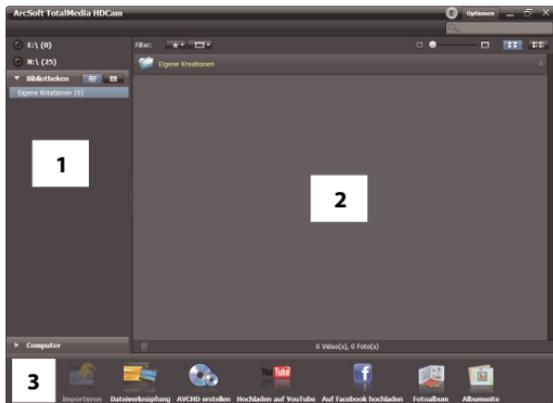
- ▶ On the main screen click on  **> Preferences.**
- ▶ Select a language and click on **OK.**

## Registration and activation

How to register and update the software:

- ▶ On the main screen to create a connection with the information centre click on  .
- ▶ Select Upgrade, Patches or Registration.

# Media Browser



#	Area	Function
1	View mode area	Offers three modes to display the media files.
2	Preview area	To select and display file miniatures and detailed information
3	Function bar	Lists the main function buttons.

## View media files

Follow the instructions below to view the media files on your device:

- ▶ Connect the device to the computer.
- ▶ The device code is shown above the view mode area.
- ▶ To display all the media files on the device click on the device code.



- To playback a video clip double-click the relevant clip or .
- To pause/stop/continue playback of a video clip click on  /  / .

- To playback the previous or next clip click  / .
- To delete a file click on the  icon of the relevant file.
- To cut a video clip click on the  icon.
- To assess a file click on the  icon of the relevant file.
- To view the properties of a file click on the  icon of the relevant file.
- Double-click the relevant image to open the preview of an image in a new window.
- To open the preview of the previous or next image click on the left/right button.

# Display modes

There is a choice of three display modes to display the media files: Library view, calendar view and search view.

**Note:** To view the media files on your device in the library or calendar view, you must first import the files.

## Library view

The library view lists the "Own Creation" folder and other folders that are created when importing the files.

- How to switch to library view
  - ▶ To extend the library window click on Libraries.
  - ▶ Select the desired folder.
  - ▶ To switch to the library view click on .

View or edit the properties of a folder by selecting the folder and clicking .

To delete a folder click on the  icon of the relevant folder.



## Calendar view

The calendar view uses the creation date of the files to arrange the media files.

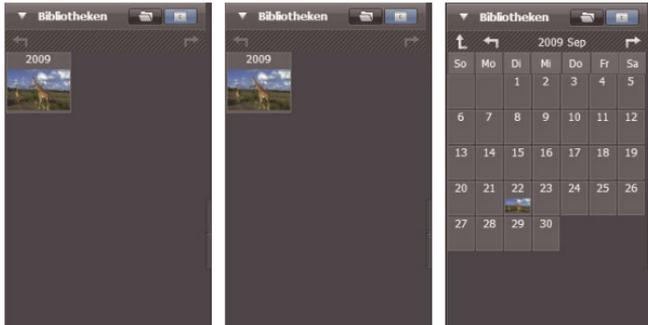
- How to switch to calendar view
  - ▶ To extend the calendar window click on Libraries.
  - ▶ Select the desired folder.
  - ▶ To switch to the calendar view click on .

Three modes are available in the calendar view: Annual, Monthly and Daily mode.

How to switch between the three different modes:

- To open the monthly mode click on the image of the desired year.
- To open the previous or next year - if available - click on  or .
- To open the daily mode click on the image of the desired month.
- To open the previous or next month - if available - click on  or .

- To return to the previous mode click on .



## Browser view

Browser view enables you to search the media files on your computer with the aid of a tree structure.

How to switch to browser view:

- To extend the computer window click on Computer.
- To view the media files select the desired folder on your computer.
- To update the list of media files click on .

## Preview area

The preview area has various options for selecting and displaying miniature file images and more detailed information for selection. Refer to the following table for a description of the relevant options:

Option	Name	Function
	Evaluation filter	Shows the media files as per the selected evaluation.
	New filter	Shows the new media files.
	Type filter	Shows the media files as per the selected type.
	Quick search	Shows the media files as per the letter entered.
	Miniature image slide control	Modifies the size of the miniature images with the aid of the slide control.

	Miniature images	Shows the files as miniature images
	Details	Shows the miniature images of the files together with detailed information.

# Function bar

The function bar lists the main function buttons. By clicking the buttons you access the relevant functions. A description of the relevant buttons is found in the following table:

Button	Name	Function
	Import	Imports media files from a camera, camcorder or memory device on the computer.
	File link	Produces films with your video files.
	Produce AVCHD	Burns your video data onto an AVCHD disk.
	Upload to YouTube	Uploads the files to your YouTube account.
	Upload files to Facebook	Uploads the files to your Facebook account.
	Photo album	Produces photo albums with your images.
	Album page	Produces album pages with your images.

# Import media files

How to import media files onto your computer:

- ▶ Select the desired folder.
- ▶ Select the desired files.
- ▶ Click on Import. The "Import" window is displayed.
- ▶ Select **Import new scenes**, **Import selected scenes** or **Import all scenes**.
- ▶ Select a folder name or enter one.
- ▶ To import the files click on OK.

## Cut video clips

How to cut video clips:

Click file link. The work area is displayed.

- ▶ Move the desired video clips to the work area using drag-and-drop.
- ▶ Double-click to open the preview and edit the clips.
- ▶ To cut the clips click on Continue.
- ▶ Select the device and the path under which the cut clip is to be saved.

## Burning AVCHD disks

How to burn AVCHD disks

- ▶ Click on Create AVCHD. The work area is displayed.
- ▶ Move the desired video clips to the work area using drag-and-drop.
- ▶ Double-click the relevant image to open the preview of an image in a new window.
- ▶ Click on Next.
- ▶ Select the drive with which you want to burn the AVCHD disk or the path to save the files on your computer.

# Edit video clips

How to edit a video clip:

- ▶ Double-click on a video clip in the work area. The “Edit” window is displayed.
- ▶ To select the start of your cut clip click on .
- ▶ To select the end of your cut clip click on .
- ▶ To save the cut clip click on .

A description of other tools in the "Edit" window is found in the following table:

Button	Name	Function
	Playback / Pause	Click to playback or pause the clip.
	Stop	Click to end playback of the clip.
	Previous	Click to open the previous clip.
	Next	Click to open the next clip.
	Time field	Click on the number; use the arrow keys to view a particular section of the video clip.

	Volume level	Slide to adjust the volume.
	Full screen	Click to open the full screen mode.

## Upload files to YouTube

How to upload the files to YouTube:

Click on Upload to YouTube. The work area is displayed.

- ▶ Move the desired file to the work area using drag-and-drop.
- ▶ Click on Next. The log in window for YouTube is displayed.
- ▶ Enter your YouTube user name and password.
- ▶ To login to YouTube click on **“Login”**.
- ▶ Follow the instructions to upload the file to YouTube.

## Upload files to Facebook

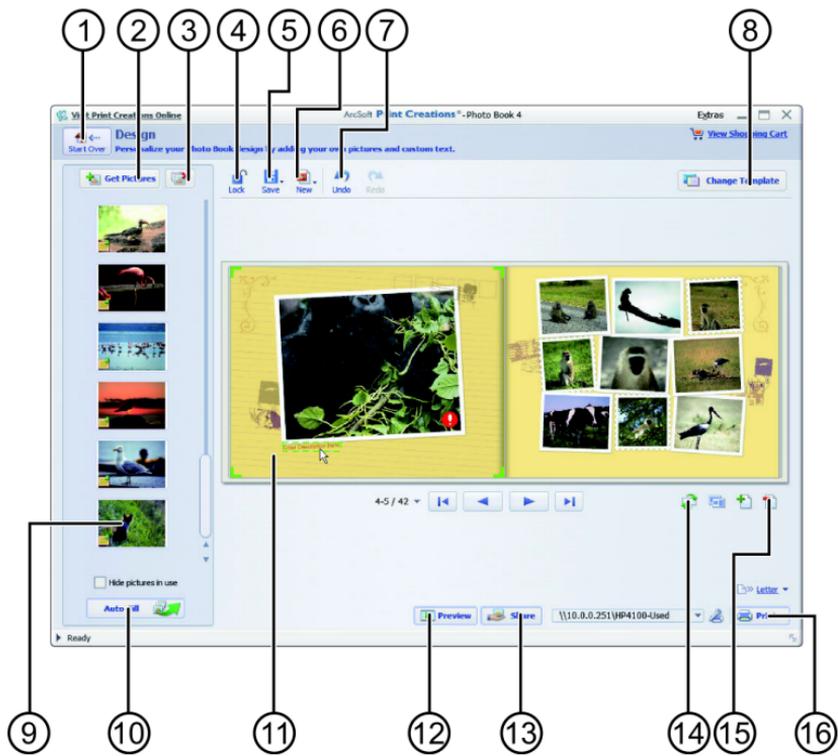
To upload to Facebook:

- ▶ Click on Upload to Facebook. The work area is displayed.
- ▶ Move the desired file to the work area using drag-and-drop.
- ▶ Click on Next. The login window for Facebook is displayed.
- ▶ Enter your Facebook email address and password.
- ▶ To login to Facebook click on **“Login”**.
- ▶ Follow the instructions to upload the file to Facebook.

# Create photo albums

How to create photo albums:

- ▶ Click on Photo album. The work area is displayed.
- ▶ Drag the desired images into the work area.
- ▶ To start the print creations application by ArcSoft click on Continue.
- ▶ Select the categories for the photo albums to view the photo albums.
- ▶ Select a photo album.
- ▶ To open the "Photo album design" screen click on Continue.
- ▶ Observe the descriptions of the photo album design using the following diagram:



1	Restart
2	Add images
3	Remove all
4	Block/ release design
5	Save design
6	New project
7	Undo / redo
8	Modify photo album template
9	Click icon to display the image page
10	Fill empty pages with images automatically
11	Click text or image to edit it
12	Photo album preview
13	Share photo album by email, image or SWF file
14	Search page
15	Edit page / page layout
16	Print / print options

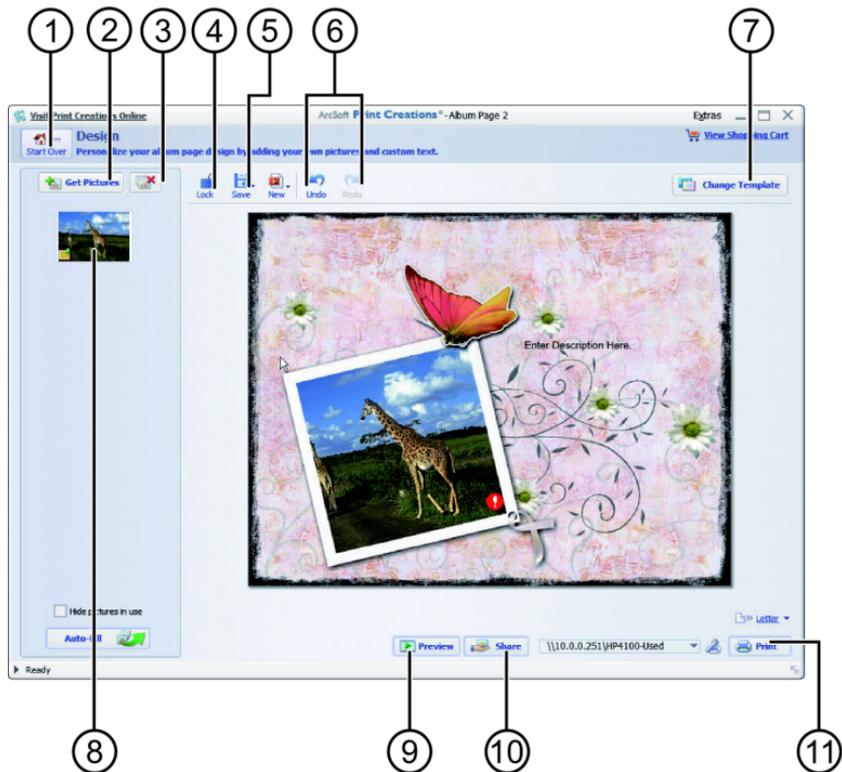
# Create album page

How to create album pages:

- ▶ Click on Album page.

The work area is displayed.

- ▶ Drag the desired image into the work area.
- ▶ To start the print creations application by ArcSoft click on Continue.
- ▶ Select the categories for the photo albums to view the photo albums.
- ▶ Select an album page.
- ▶ To open the "Photo album design" screen click on Continue.
- ▶ Observe the descriptions of the photo album design using the following diagram:



1	Restart
2	Add images
3	Remove all
4	Block/release design
5	Save design
6	Undo / redo
7	Modify album page template
8	Click icon to display the image page
9	Album page preview
10	Share album page by email or image file
11	Print / print options

# MEDION®

DE

MTC - Medion Technologie Center  
Freiherr-vom-Stein-Straße 131  
45473 Mülheim / Ruhr  
Hotline: 01805 - 633 633  
Fax: 01805 - 665 566

.. 0180call

(0,14 Euro/Minute aus dem dt. Festnetz,  
Mobilfunk max. 0,42 Euro/Min)

Servicebereich der Homepage:  
[www.medion.de/service](http://www.medion.de/service)

[www.medion.de](http://www.medion.de)

UK

Medion Electronics Ltd.  
120 Faraday Park, Faraday Road, Dorcan  
Swindon SN3 5JF, Wiltshire  
United Kingdom

Hotline: 0871 37 61 020

(calls are charged at 7p per min from a standard landline,  
calls from mobiles could be higher)

Fax: 01793 71 57 16

[www.medion.co.uk](http://www.medion.co.uk)

FR

Medion France  
75 Rue de la Foucaudière  
72100 LE MANS  
France

Service Hotline: 02 43 16 60 30 (appel non surtaxé)

Service PREMIUM hors garantie: 08 92 35 05 40

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E-Mail: Pour nous contacter, merci de vous rendre sur  
notre site internet à la rubrique « Service et Support »

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