Philips FunCam

Instructions for use



PHILIPS

Philips FunCam

DMVC 300K

The Philips FunCam DMVC 300K you have just purchased is manufactured to the highest standards and will give you years of trouble-free use. This new digital camera is the most advanced means of recording high quality movies or still photos quickly and easily on your PC or laptop computer. After installation the camera can be used as a:

- PC camera for video chat and video mail;
- digital camera for taking high quality photos;
- video camera for capturing video clips.

Please read the following instructions carefully. They provide a step-by-step description of the installation process and explain how to use the Philips FunCam.

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1. Things you should know

- Please read the following instructions carefully, and retain them for future reference.
- It may be helpful to have the instructions for use for the PC at hand for reference.

Safety precautions

Observe the following guidelines to ensure that the camera will operate safely and to prevent defects.

- Do not use your camera in environments outside the following range: temperature: 0°C to 40°C, relative humidity: 45% ~ 85%.
- Do not use or store your camera in/under:
 - direct sunlight exposure;
 - very humid and dusty environment;
 - near any kind of heat sources;
- If your camera gets wet, dry it with soft cloth as soon as possible.
- Salt seawater may cause severe camera damage.
- If the lens or viewfinder is dirty, please use the lens brush or soft cloth to clean the lens. Do NOT touch the lens with your fingers.
- Clean the outside of the camera with a soft cloth.
- Do NOT use cleaning fluids based on alcohol, methylated spirit, ammonia, etc.
- Do NOT attempt to disassemble or repair your camera by yourself. Do not open the camera. In the event of technical difficulties return it to your Philips retailer.
- Do NOT use your camera outdoors when it is raining or snowing.
- Do NOT use your camera in the water.
- Protect the camera from oil, vapour, steam, moisture, and dust.
- Never point the camera lens at the sun.

Copyright

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Pack contents

Please check that the following items are packed in the Philips FunCam box. They are provided to help you set up and use your Philips FunCam.



The Philips FunCam DMVC 300K



Desktop stand with USB/ microphone cable attached



CD-ROM containing the Philips installation software, application software and manual



Neckstrap



Beltclip



Quick Installation Guide

2. Quick start

Installation

- 1 Unplug all your USB devices (except USB keyboard and USB mouse).
- 2 Place the installation CD-ROM in your computer's CD-ROM-/DVD drive.



3 Select your language.



4 Select at least 'FunCam drivers' and 'Philips Photo Manager'.



5 Click 'Start to install' to start installation.



Note! If the the 'Language Selection' screen does not appear automatically, open Windows Explorer and double-click the 'Autorun.exe' icon in the CD-ROM directory.

Charging

- 1 Turn on the PC.
- 2 Be sure to run the installation CD-ROM first, before connecting the camera to the PC.
- 3 Connect the USB plug of the USB/Microphone cable to the USB port of the PC.
- 4 Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks in position.



> You will hear a beeping sound, the display lights up blue and the Charge LED lights up red.

 $> (\underline{p_{\mathcal{L}}})$ appears on the display. The battery will now be charged.

Taking photos

1 Press and hold the Mode button for 2 seconds to turn on the camera.



2 Frame the subject though the viewfinder.



3 Press the Shutter button.



> You will hear a beep twice when the photo is taken.

Transferring photos/video clips to your PC

- 1 Make sure the PC is turned on and that 'FunCam drivers' and 'Philips Photo Manager' are installed.
- 2 Connect the desktop stand to the PC:
- Connect the USB plug of the USB/microphone cable to the USB port of the PC.
- 3 Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks in position.



>You will hear a beeping sound, the display lights up blue and the Charge LED lights up red.

> The camera turns on automatically and $(\mathcal{P}_{\mathcal{L}})$ appears on the display.

> The following screen will appear.



4 If you wish to start transferring press 'YES'

> The following screen will appear.



5 Select the photos you wish to transfer and press 'OK'

> If the transfer is complete the following screen will appear.



Notes!

- If the 'Philips FunCam' screen does not appear, you can start 'Philips Photo Manager' and click on the 'Get Photo' icon. Select you camera (Philips FunCam) to start the transfer.
- For more information on transferring/viewing photos and video clips see chapter 'Transferring photos/video clips to your PC' under '5. Operating the camera'

3. Functional overview



1 Strap hole

for connecting neck strap or belt clip

2 Shutter button

for taking photos and making video recordings

3 Lens

4 Timer LED

blinks red for 10 seconds when the self-timer has been set

5 Viewfinder

for framing you photo subject

6 USB port

for connecting the camera to the USB connector of the desktop stand

7 Charge LED

blinks red when the battery is being recharged

8 Display

- lights up blue when the camera is turned on

- linforms you about the present status of the camera:

00	number of photos currently taken (capture mode)
55	self-timer mode
35	three pictures continuous mode
HILO	high/low-resolution mode or battery low
65	continuous snap mode (video recording)
50160	frequency selection mode
EL	clear last picture mode
[8	clear all pictures mode
PE	PC camera mode
FIJ	memory full. (No more photos can be taken.)
Ũn	power on

9 Mode button

- for turning the camera on and off
- for changing camera settings





10 Desktop stand

for placing the camera in when:

- (re-)charging the battery
- using the camera as a PC-camera
- tranferring/viewing photos and video clips

11 Microphone

12 USB connector

for connecting to the camera's USB port

13 USB/microphone cable

- for connecting to the USB port of the PC
 for connecting to the audio input of the PC
- 14 Belt clip
- 15 Neck strap

4. Installation

Installing the camera software

The software supplied only works on PCs with the operating systems $Microsoft^{\&}$ $Windows^{\&}$ 98SE, ME, 2000 and XP.

Notes!

- Unplug all your USB devices (except USB keyboard and USB mouse) before you start.
- Do not plug in your USB camera yet. Run the Installation CD-ROM first.
- Have your Windows[®] CD-ROM at hand.
- 1 Insert the installation CD-ROM supplied into the PC's CD-ROM-/DVD drive.
 - > The 'Language Selection' screen will appear automatically.



2 Select your language.

Note! If the the 'Language Selection' screen does not appear automatically, open Windows Explorer and double-click the 'Autorun.exe' icon in the CD-ROM directory.

> The software installation screen will now appear.

3 Select at least 'FunCam drivers' and 'Philips Photo Manager'.



There are three clusters of application software to install:

- software for video chat (Video Conference):
- software for image applications (Image);
- software for video applications (Video).
- If you move your cursor onto a button or application name, you will see a brief introduction at the bottom of the menu.
- You can add the additional software by selecting the box in front of the software name: Windows[®] NetMeeting, Philips Photo Manager, Philips VRecord, Acrobat Reader.

4 Click 'Start to install' to start installation.



Note! If your Operating System is Windows XP, continue the installation process when the dialog box below appears on the screen. (In Windows 2000/NT, the same dialog box may also appear. You may then continue the installation process.)



- **5** Follow the instructions on the screen to complete the installation.
- 6 Restart your computer when you have finished installing all of the above software.
 - > The V(ideo)-Lounge desktop shortcut 🐉 will be installed after installation.
 - > Via VLounge you have access to all camera-related software. Also see 'Using the applications'.
- 7 Double click on the icon to initiate the VLounge application.
 - > The VLounge application will now be initiated and the VLounge selection screen appears.



Connecting the camera to your PC

- 1 Be sure to run the installation CD first, before connecting the camera to the PC.
- **2** Turn on the PC.
- 3 Connect the desktop stand to the PC:
 - Connect the USB plug of the USB/Microphone cable to the USB port of the PC.
 - Connect the 3.5 mm jack plug the USB/Microphone cable to the audio input of the PC.
- 4 Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks into position.



> You will hear a beeping sound, the display lights up blue and the Charge LED lights up red.

> The camera turns on automatically and PC appears on the display .

> The camera will now derive its power from the PC.

Selecting the required frequency

Default frequency setting is (53).

- 1 Press the Mode button until the currently selected frequency range appears on the display: (5) (Europe) or (6) (U.S.A).
- 2 Press the Shutter button if you wish to change the frequency.



> You will hear a beep. The frequency setting has now been changed.

Selecting low resolution mode

Default setting is VGA (high resolution mode). In (10) mode, the camera will take CIF (320x240) size photos.

- 1 Press the Mode button until the currently selected resolution mode appears on the display: (a) or (R).
- 2 Press the Shutter button if you wish to change the resolution mode.



> You will hear a beep. The resolution mode has now been changed.

Connecting the neck strap / belt clip

• Thread the neck strap through the strap hole as indicated below.



• Press the beltclip open and slide it through the strap hole as indicated below.







Recharging the battery

- 1 Make sure the camera is turned off.
- **2** Turn on the PC.
- 3 Connect the USB plug of the USB/Microphone cable to the USB port of the PC.
- 4 Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks into position.



- > You will hear a beeping sound, the display lights up blue and the Charge LED lights up red. The battery will now be recharged.
- It will take four hours to fully recharge the battery. When the battery is fully recharged the Charge LED will go out.

Notes!

- Charge the camera in time! When the battery is empty all photos in the camera memory will be lost.
- When the battery is almost empty, the camera starts beeping and () appears on the display.

5. Operating the camera

Turning the camera On and Off

Press and hold the Mode button for two seconds to turn on the camera.



- > You will hear a beeping sound, the display lights up blue and the Charge LED lights up red.
- > (3,7) appears briefly on the display, followed by the number of photos currently taken (33).
- Press and hold the Mode button again for two seconds to turn off the camera.
- > When no buttons are pressed for 60 seconds, the display goes blank, you will hear a beeping sound and the camera will turn off automatically.

Taking photos

•

- 1 Make sure the camera is turned on.
- 2 Look through the viewfinder to frame the object you wish to take a photo of.



3 Press the Shutter button.



> You will hear a beep twice when the photo was taken successfully.

Setting the self-timer

- 1 Make sure the camera is turned on.
- 2 Press the Mode button until (S_k) appears on the display.



3 Press the Shutter button to enter Self-timer mode.



- 4 Press the Shutter button again, within five seconds.
 - > You will hear a beep twice.
 - >The Timer LED starts blinking red and you will hear a beep every second.
 - > Ater 10 seconds the camera will automatically take a photo.

Taking three photos in a row (Three photos continuous mode)

- 1 Make sure the camera is turned on.
- 2 Press the Mode button until 35 appears on the display.



3 Press the Shutter button to enter Three photos continuous mode mode.



4 Press the Shutter button within five seconds.

> The camera will automatically take three photos in a row.

> You will hear a beep each time a photo is taken.

Making a video recording (Continuous Snap mode)

- 1 Make sure the camera is turned on.
- 2 Press the Mode button until 🔅 appears on the display.



3 Press the Shutter button *within 5 seconds* to start video recording. *Keep the Shutter button pressed* for as long as you wish the recording to last (maximum recording time is 35 seconds).



> When the Shutter button is released, recording will stop and Contionuous Snap mode is disabled.

Clearing photos and video recordings

Clearing the last stored photo/video recording

- 1 Make sure the camera is turned on.
- 2 Press the Mode button until (1) appears on the display.



3 Press the Shutter button to enter Clear Last mode.



- > You will hear a beep. The camera is now in Clear Last mode.
- 4 Press the Shutter button again *within five seconds* to confirm that you wish to clear the last stored photo/video recording.
 - > You will hear a beep when the last stored photo/video recording has been cleared from the memory.

Clearing all photos/video recordings

1 Press the Mode button until (R) appears on the display.



2 Press the Shutter button to enter Clear All mode.



- > You will hear an alarm sound, notifying you that the camera is in Clear All mode and that all Photos/video recordings will be cleared.
- **3** Press the Shutter button again *within five seconds* to confirm that you wish to clear all photos/video recordings from the memory.
 - > You will hear a beep when all photos/video recordings have been cleared from the memory.

Transferring photos/video clips to your PC

- 1 Make sure the PC is turned on and that 'Philips FunCam drivers' and 'Philips Photo Manager' are installed.
- 2 Connect the desktop stand to the PC:
 - Connect the USB plug of the USB/Microphone cable to the USB port of the PC.
- **3** Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks into position.



> You will hear a beeping sound and the Power LED lights up blue.

- > The camera turns on automatically and $(\mathcal{P}_{\mathcal{L}})$ appears on the display.
- > The following screen will appear.

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2009 Kanakija Phipa Bectroics NV. (copretit of suppler active/vidged) PhotoManager has detected new photos, wraddowu like in careb frem (in this folder?	2003© Kasinkijka Philips Dectronics N	
PhotoManager has detected new photos, would you like to come them to this folder?		CV. (copyright of supplier acknowledged)
	PhotoManager has a would you like to cop	detected new photos, ay them to this folder?

If you wish to start transferring press 'YES'
 > The following screen will appear.



5 Select the photos you wish to transfer and press 'OK'

> If the transfer is complete the following screen will appear.



Note! If the 'Philips FunCam' screen does not appear you can start 'Philips Photo Manager' and click on the 'Get Photo' icon. Select your camera (Philips FunCam) to start the transfer.

Using the camera as PC-camera (webcam)

1 Be sure to run the installation CD first, before connecting the camera to the PC.



- **2** Turn on the PC.
- 3 Connect the desktop stand to the PC:
 - Connect the USB plug of the USB/Microphone cable to the USB port of the PC.
 - Connect the 3.5 mm jack plug the USB/Microphone cable to the audio input of the PC.
- 4 Place the camera's USB connector on the USB connector in the desktop stand. Push it down gently until it clicks into position.



- > You will hear a beeping sound and the Power LED lights up blue.
- $> \mathcal{P}_{\mathcal{L}}$ appears on the display and the camera turns on automatically.
- > The camera can now be used as a PC-camera (webcam) and photos and video clips can be transferred to the PC.

See chapters 'Transferring/viewing photos and video clips', 'NetMeeting' and 'Philips VRecord'.

Note! The Philips FunCam works with Microsoft[®] MSN Messenger and Yahoo.[®] Messenger.

6. Using the applications

Philips VLounge

Note! Make sure your PC runs on Microsoft[®] Windows[®] 98SE, ME, 2000 or XP and that you have run the Philips FunCam Installation CD-ROM on your PC.

All applications can be accessed via the Philips V(ideo)-Lounge application. VLounge is the central application for easy access to your Philips FunCam and all image and video applications installed during setup. You can start VLounge through the Windows QuickLaunch menu in your taskbar, via the program group 'Philips FunCam', or by clicking the VLounge icon \mathscr{B} on the desktop. VLounge gives you access to the following Applications (if installed):

- 1 Image Philips Photo Manager
- 2 Video Philips VRecord
- 3 Video Chat Windows[®] NetMeeting

- Links to Microsoft[®] MSN Messenger and Yahoo![®] Messenger downloads.

- Move the cursor over the buttons in the screen below to find out more about the specific functions of VLounge.
- Click the buttons to start the applications.
 - > If a button is greyed out, this means that the application has not been installed. To install the application, see 'Installing the camera software'.



Optional buttons **4** FunCam manual

Video Chat

Microsoft[®] Netmeeting

Microsoft[®] NetMeeting enables you to communicate with others over the Internet or your local intranet.

To initiate a video chat:

1 Start NetMeeting by clicking the NetMeeting button in the VLounge selection screen.



2 Click on 'Help' -> 'About NetMeeting' and find out your local IP address. You can ask your meeting partner to find out his/her IP address in the same way.



3 Click the telephone icon.



- 4 In the 'Place A Call' dialogue box, fill in your partner's IP address in 'To: '
- 5 Click on 'Call' and wait for response.
- **Note!** If you or your partner are/is behind a firewall or is using a proxy server (common for office users), please refer to NetMeeting Help about detail solutions.

To respond to an incoming call:

- 1 You can choose 'Automatically Accept Calls' or you can accept manually.
- 2 When the 'Incoming Call' dialogue box appears, click on 'Accept'.

Notes!

- Only two computers in a NetMeeting conference can use audio for communication. All other participants must communicate through other options, like Chat or the shared Whiteboard.
- You can also initiate a video conference with more than one partner. Please read Help in Microsoft[®]NetMeeting.

Microsoft[®] MSN Messenger and Yahoo![®] Messenger

Philips VLounge contains web links allowing you to download Microsoft[®] MSN Messenger and Yahoo![®] Messenger. These applications enable immediate contact with other persons online. Your messages, as well as the response from the receiving person, will be delivered instantly. Just as if you were having a normal person-to-person conversation. With Microsoft[®] MSN Messenger and Yahoo![®] Messenger you can study online with classmates, play games, work with colleagues, exchange ideas, 'hand over' photos and files, meet new people, surf the web together and much, much more.

 Just click on the desired link and follow the on screen instructions to download and install the applications.



Image

Philips Photo Manager

Philips Photo Manager enables you to transfer, preview, edit, e-mail, print and organise your photos and video recordings.

1 Click on the 'Philips Photo Manager' button in the VLounge selection screen.



2 If you are using 'Philips Photo Manager' for the first time, click the 'Search' icon in the tool bar if the search for photos and video recordings does not start automatically.

> All photos and video clips, located anywhere on your system, will now be searched for.
> After the search, all folders containing photos and clips will be shown on your desktop.

- Double-click on a folder to show its content.
- Using the tools in the toolbar you can now edit your photos, create slide shows, add audio, create new albums and much more.
- If you need more information on the possibilities of 'Philips Photo Manager', select 'Help' in the toolbar and then select 'Contents...'.
 - In the chapters 'Albums/Tree structure', 'Menu commands', 'Tools', 'Editing tools' and 'Advanced features' you will find all the information you need to create customised multimedia collections from files located anywhere on your system.

Video

Philips VRecord

Philips VRecord enables you to record video clips onto your hard disk.

1 Click the 'Philips VRecord' button in the 'VLounge selection' screen.



> The 'Philips VRecord' screen appears.



- 2 Select a file name in the File menu using 'Set Capture File'.
- 3 Click 'Devices' to set the video and audio source you want to use.



4 Enable 'Preview' in the Options menu to see the live Philips USB Web Camera preview, then adjust your audio and video settings if necessary. For instance the 'Frame Rate' setting in the Options - Video Format menu which determines the frame rate the Philips USB Web Camera hardware should deliver to VRecord.

- 5 Use the Capture menu to start or stop capturing a video. Enable 'Capture Audio' if you want to record sound together with the camera photos.(See below for other capture options.)
- **6** You can replay the recording by opening the AVI file you selected for your capture file name in the File Set Capture File menu. Double click this AVI file in Windows Explorer and Windows Media Player will show you the recording.

Other capture options

The 'Master Stream' option determines the preferred synchronisation between the video stream and the recorded sounds.

- Select 'Audio' if you want to make sure the video rate adapts to the sound recording rate.
- Select 'Video' if you want to make sure the sound recording rate adapts to the video recording rate. If 'None' is enabled, VRecord will adapt both streams to each other whenever necessary.

If 'Use Frame Rate' is enabled in Capture - Set Frame Rate it determines the software frame rate in which VRecord captures the movie independently from the hardware frame rate delivered by the Philips USB Web Camera according to the Frame Rate setting in the Options - VideoFormat menu

7. Problem solving

If a fault occurs, first check the points listed below. If you are unable to remedy a problem by following these hints, contact the helpline (see 'Helpline') or consult your dealer:

Never try to open the camera yourself as this will void the guarantee.

First, check all cables to ensure that they are connected correctly.

Problem	Possible cause / Solution		
No photo is taken while the Shutter • button is pressed all the way down	 Battery exhausted Recharge battery. See 'Recharging the battery. Memory full Transfer photos/video recordings to your PC or clear photos in order to create memory space. See 'Transferring/viewing photos and video recordings' and/or 'Clearing photos and video recordings'. Camera is still connected to the PC's USB port Disconnect the camera from the PC's USB port or take the camera out of its desktop stand. Poor light conditions Try to improve light conditions. Camera turned off automatically (no button pressed for 60 seconds) Turn the camera back on. See 'Turning the camera on and off'. 		
No reaction to controls	Battery exhaustedRecharge battery. See 'Recharging the battery.		
File transfer not possible	 USB cable not properly connected Properly connect USB cable to both desktop stand and PC and make sure the camera is placed on the desktop stand. USB driver not installed Install USB driver and 'Philips Photo Manager' on your PC. 		
Not all images can be transferred to the PC	 The RAM memory installed in your computer may not have sufficient storage space. Close all software programs and proceed to transfer your images. If the problem persists, transfer images in batches and store each batch on your hard drive before proceeding to the next batch. Make sure all the images you want are stored before you clear the camera memory. 		
Camera connected to PC but the Philips FunCa driver says: 'Device not ready'.	 Check if the camera power is turned on. If not, turn it on and then connect the camera to the PC again by placing it on the desktop stand. 		

8. Technical specifications

Image resolution	VGA (640 × 480)
Sensor	
PC camera resolution (connected to PC)	VGA (640 × 480) up to 15 fps or CIF (320 × 240) up to 25 fps
Video resolution (disconnected from PC)	CIF (320 × 240) up to 15 fps
Built-in batteryLi-polymer battery.	150 mAh. Rechargeable via USB.
PC interface	USB 1.1
Internal memory capacity	
Case material	Metal
Power up time	2 seconds
Auto Power off	
Still image format	JPEG
Video file format	AVI

9. Important information

Disclaimer

Philips makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Philips assumes no responsibility for any error that may appear in this document. Philips makes no commitment to update nor to keep current the information contained in this document.

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 this device may not cause harmful interference, and
- **2** this device must accept any interference received, including interference that may cause undesired operation.

Note!

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized modification to this equipment could result in the revocation of the authorization to operate the equipment.

End of life directives



Philips is paying a lot of attention to producing environmentally-friendly in green focal areas. Your new camera contains materials which can be recycled and reused. At the end of its life specialised companies can dismantle the discarded camera to concentrate the reusable materials and to minimise the amount of materials to be disposed of.

Please ensure you dispose of your old camera according to local regulations.

Note! This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the ElectronicIndustries Alliance (U.S. specific): www.eiae.org.

System requirements

- Microsoft[®] Windows[®] 98SE/2000/ME or XP;
- Pentium[®] II or AMS K6-II or above;
- 32MB RAM and 100 MB free hard disk space;
- One free USB port and CD-ROM-/DVD drive.

Disclaimer of warranty

The software on the CD-ROM supplied is sold 'as is' and without warranties whether expressed or implied. Because of the various software and hardware environments into which this program may be put, no warranty of fitness for a particular purpose is offered.

Limitations of damages

The vendor will not be liable for any indirect, special, incidental or consequential damages (including damages for loss of business, loss of profits, or the like), whether based on breach of contract, tort (including negligence), product liability or otherwise, even if the vendor or its representatives have been advised of the possibility of such damages and even if a remedy set forth herein is found to have failed its essential purpose.

10. Helpline

Need Help?

If you have any questions about the Philips FunCam, please contact our helpline for assistance! You can find the number in the list below.

Before you call, please read this manual carefully. You will be able to solve most of your problems.

The model number of the camera is DMVC 300K.

day

Date of purchase:

_ /____ /____ /month /year

België/ Belgien/ Belgique 02-275-0701

Danmark 35-25-8761

Deutschland 0696-698-4712

España 09-17-45-62-46

France 03-8717-0033

Έλληνας 00800 3122 1223

Ireland 01-601-1161

Italia 02-48-27-11-53

Luxemburg/ Luxembourg 408-433-5501

Nederland 053-482-9800

Norge 22-70-82-50

Österreich 01-546-575-603

Portugal 0800-831-363

Schweiz/ Suisse/ Svizzera 02-23-10-21-16

Suomi 09-2290-1908

Sverige 08-632-0016

UK (United Kingdom) 0207-949-0069

11. Warranty

Guarantee certificate Garantiebewijs Certificado de garantia Garantibevis



Certificat de garantie Certificado de garantia Εγγύηση Garantibevis

year warranty année garantie Jahr Garantie jaar garantie año garantia anno garanzia Garantieschein Certificato di garanzia Garanticertifikat Takuutodistus

χρόνσς εγγύηση år garanti år garanti år garanti vuosi takuu año garantia

Type: DMVC 300K

Serial no:

Date of purchase - Date de la vente - Verkaufsdatum - Aankoopdatum - Fecha de compra - Date d'acquisito -Data da adquirição - Ημερομηνία αγοράς - Inköpsdatum - Anskaffelsesdato - Kjøpedato - Oatopäivä -

Dealer's name, address and signature Nom, adresse et signature du revendeur Name, Anschrift und Unterschrift des Händlers Naam, adres en handtekening v.d. handelaar Nombre, direccion y firma del distribudor Nome, indirizzo e firma del fornitore

6 month guarantee on rechargeable batteries 6 mois de garantie sur les piles rechargeables 6 meses de garantia para las pilas recargables 6 Monate Garantie auf wiederaufladbare Batterien 6 maanden garantie op oplaadbare batterijen Garanzia di 6 mesi sulle batterie ricaricabili

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Pilhas recarregáveis com 6 meses de garantia Εγγύηση 6 μηνών σε επαναφορτιζόμενες μπαταρίες 6 månaders garanti på laddningsbara batterier 6 måneders garanti på genopladelige batterier 6 måneders garanti på de oppladbare batteriene Ladattavilla akuilla on 6 kuukauden takuu

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