ЯTrust

960 POWERC@M CCD

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User's manual

V1.1

960 POWERC@M CCD

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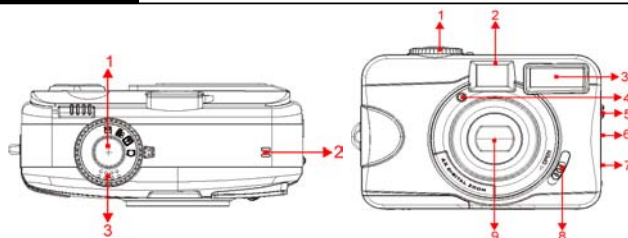
Fig. 1

Fig. 2
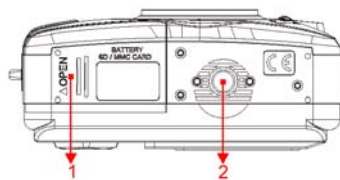
Fig. 3
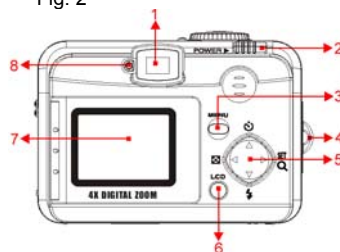
Fig. 4
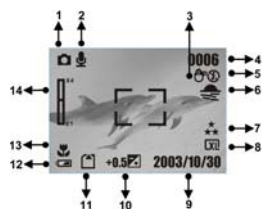
Fig. 5
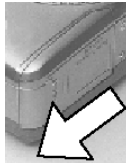
Fig. 6
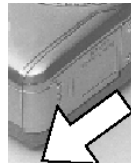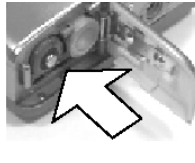
Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

1   Introduction

This instruction manual is for users of the TRUST 960 POWERC@M CCD. This camera has a CCD lens to guarantee sharp images. The camera has a maximum resolution of 5 Megapixles.

The camera's LCD screen gives a clear display of the photographs and video clips.

1.1   General comments regarding photography

Test photograph

Before you start photographing a unique event, it is a good idea to first take a number of test photographs. This will help to ensure that the camera works as required.

No compensation for unsuccessful photographs

No compensation may be claimed for unsuccessful photographs as a result of a faulty camera, faulty software, etc.

Exchanging photographs and video clips

No guarantees are given that photographs and video clips produced with this camera can be displayed on other devices or that photographs and video clips produced with other devices can be displayed using this camera.

Sunlight

Do not aim the camera directly at the sun for a long period of time. This may damage the sensor.

Shaking/knocks

Do not shake the camera or knock it against anything, because this may cause a fault, unsuccessful photographs, memory incompatibility or the loss of photographs from the memory.

LCD screen

There may sometimes be small black or clear dots visible on the LCD screen. This is normal and does not affect the photographs. There is no reason to exchange the camera if there are 10 dots or less.

Exposing the LCD screen to direct sunlight for a long period of time may cause faults.

Lens

Keep the glass of the lens clean. Use a cotton bud to clean the lens. If necessary, use special cleaning liquid for camera lenses. Do not use a different type of cleaning product.

2   Safety

Carefully read the following instructions before use.
- The TRUST 960 POWERC@M CCD does not require any special maintenance. Use a slightly damp, soft cloth to clean the camera.
- Do not use aggressive substances, such as white spirit, to clean the device. These may harm the material.
- Do not submerge the device in liquid. This may be dangerous and will damage the device. Do not use the device near water.
- Do not repair this device yourself.

2.1   Batteries
- The Duracell Ultra batteries supplied with the device are not rechargeable. Do not try to recharge them, because this may cause them to explode.
- Never throw the batteries onto an open fire. The batteries may explode.
- Never drill holes into the batteries.
- Keep the batteries out of the reach of small children.
- Use AA alkaline batteries with this camera.
  You can also use rechargeable AA NiMH batteries (minimum 1800 mAh).
- When the alkaline batteries (including Duracell Ultra batteries) are empty, ask your local authority where you can dispose of them.

Note: *Standard AA NiCd batteries are unsuitable for use with this device.*

Note: *Do not use old and new batteries at the same time, because the old batteries may deplete the new ones.*

Note: *The batteries should be removed if the camera is not going to be used for some time. This will save the battery power.*

3   Approval

$C\epsilon$
This device meets the essential requirements and other relevant conditions of the applicable European directives. The Declaration of Conformity (DoC) is available at www.trust.com/13806/ce.

4 Inserting/removing the batteries

Follow the instructions given below to insert or remove the batteries.

Note: *Make sure the camera is turned off.*

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1. Open the battery cover (1, figure 3) on the bottom of the camera by sliding it in the direction indicated by the arrow and folding it open.

2. Insert the batteries into the battery compartment as indicated on the inside of the battery cover (see figure 6).

3. Close the battery cover.

The camera is now ready for use.

The battery indicator will be displayed at the bottom of the LCD screen (12, figure 5) when the camera is turned on.

▭	Batteries full.
▭	Batteries half full.
▥	Batteries empty. Replace the batteries.

Table 1: Battery status on the LCD screen

Note: *The batteries should be removed if the camera is not going to be used for some time. This will save the battery power.*

Note: *It is normal for the camera casing to become warm when using the camera.*

Note: *After inserting/replacing the batteries, you will have to reset the date and the time (see chapter 13).*

5 Explanation of the camera functions

Functions on the top of the camera (see figure 1).

Point	Description	Function
1	Exposure button	Press this button to take a photograph. This button is also used to start and stop recording a video clip.
2	Microphone	Records sound whilst recording video clips or sound after taking a photograph.
3	Rotary button	Selection button for selecting the mode.

Table 2: Functions on the top of the camera

Functions on the front of the camera (see figure 2).

Point	Description	Function
1	Rotary button	Selection button for selecting the mode.
2	Viewfinder	The viewfinder is used to determine the size and the position of the photograph. The actual photograph is recorded by the lens and not the viewfinder. The image may differ when the digital zoom is used.
3	Flash	The built-in flash provides more light for the subject to be photographed.
4	Automatic exposure indicator	Flashes when the automatic exposure function is used.
5	Macro switch	Switch for selecting the macro mode (for taking photographs at close range) or the normal mode.
6	USB connection	Connection for connecting the camera to the USB port of a computer.
7	DC-In connection	Connection for an external power adapter (not supplied -> 3.3 VDC, 2.0 A).
8	Lens slide	Slide to open the lens protector.
9	Lens protector	Protects the lens when the camera is not in use.

Table 3: Functions on the front of the camera

Functions on the bottom of the camera (see figure 3).

Point	Description	Function
1	Battery and memory card cover	Protects the batteries and the memory card.
2	Screw point for stand	The stand supplied or a different stand can be screwed in here.

Table 4: The bottom of the camera

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Functions at the rear of the camera (see figure 4).

Point	Description	Function
1	Viewfinder	The viewfinder is used to determine the size and the position of the photograph. The actual photograph is recorded by the lens and not the viewfinder. The image may differ when the digital zoom is used.
2	On/Off switch	Turns the camera on and off.
3	Menu button	Opens the menu.
4	Wrist strap fixing point	Eye for fixing the wrist strap to the camera.
5	Control button	Button for scrolling through the menu.
6	LCD button	Button for turning the LCD screen on and off.
7	LCD screen	Screen for recording and displaying.
8	Indicator	Indicator for a certain camera mode.

Table 5: Functions at the rear of the camera

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Symbols on the LCD screen (see figure 5).

Point	Description	Function
1	Mode indicator	Indicator when taking photographs or recording video clips. The video indicator is also displayed in the display mode.
2	Sound recording indicator	Indicator for recording sound. Flashes red when a sound recording is made.
3	Insufficient light indicator	Is lit when there is insufficient light to take a photograph. In that case, use the flash.
4	Counter	Indicates: **Recording mode:** the number of photographs which can still be taken. **Play mode**: the recording number. **Video mode**: the maximum duration of a video clip.
5	Flash	Indicates the condition of the flash (see table 9).
6	White balance indicator	Displays the selected white balance setting. Not displayed if the white balance has been set to 'Auto'. (See table 10 and chapter 10.5.4)
7	Compression	Displays the selected compression (see table 10).
8	Resolution	Displays the selected resolution (see table 10).
9	Date	Displays the date (see chapter 13).
10	Exposure	Displays the altered exposure setting. It is not displayed if EV=0 (see chapter 10.5.3).
11	Memory	Indicates whether a memory card has been inserted (see chapter 14.1).
12	Battery	Displays the battery power (see table 1).
13	Macro	Indicates when the macro setting has been selected (see chapter 10.2).
14	Digital zoom	Indicates when the digital zoom has been selected (see chapter 10.1).

Table 6: LCD screen

STANDARD CAMERA OPERATION

The following chapters explain how to take a photograph, how to view the photograph on the camera and how to save the photograph on a computer.

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6   Taking photographs

1.   Open the lens protector (9, figure 2) using the slide next to the lens (8, figure 2).

2.   Slide the On/Off switch (2, figure 4) to the right and keep it in that position for 1 second. The green indicator (8, figure 4) will flash.
(Repeat this to turn the camera off.)

3.   Release the switch. A melody will be heard after a couple of seconds. The camera has now been turned on.

Note: *'Lens Cover' will flash on the LCD screen if the lens protector has not been opened.*
Open the lens protector before turning the camera on.

4.   Set the camera to the 'Capture' mode (symbol: 📷) using the rotary button (3, figure 1).

5.   Look through the viewfinder or at the image displayed on the LCD screen and search for the image or object that you wish to photograph. The viewfinder in the image is white.

6.   Press the exposure button (1, figure 1) as far as possible. The photograph will now be taken. The green LED will start to flash.

7.   Repeat points 5 and 6 to take more photographs.

Note: *'Low light' will be displayed on the LCD screen when there is insufficient light to take a good quality photograph.*
It is recommended to set the flash to 'Automatic' or 'Fill-in' (see chapter 10.4).

Note: *The image is first brought into focus before the photograph is taken. This will take a short period of time. Take this into account when taking an action photograph.*

7   Viewing photographs

Note: *The camera must be turned on.*

1.   Use the rotary button to set the camera to the 'Playback' mode (symbol: ▶). The last photograph or video clip will be displayed on the LCD screen.

2.   Use the control button to move up or down to the previous or next photograph or video clip.

8 Connecting the camera to a computer (PC/MAC)

The software must be installed before connecting the camera to a computer.

8.1 Installing the driver in Windows 98 / Windows 2000

Note: *If you use Windows ME, Windows XP or a Macintosh, you can ignore this chapter and continue from chapter 8.2.*

Note: *The latest driver can be downloaded from www.trust.com/13806. Check whether a new driver is available and use this for the installation.*

Note: *Make sure all other programs are closed during the installation.*

Note: *In the example, 'D:\' is used to indicate the CD-ROM drive. This may be different for your computer.*

1. Insert the CD-ROM into your computer's CD-ROM drive. The installation program will start automatically. If it does not start automatically, carry out the following:

   a Select 'Run' from the Windows Start menu.

   b Type [D:\SETUP.EXE] and click on 'OK' to start the Trust Software Installer.

3. The Trust Software Installer window will appear (see figure 8).

4. Select the language (in the top right-hand corner) you wish to use for the installation.

5. Select 'Install driver'.

6. Follow the on-screen instructions.

8.2 Connecting the camera to a USB port on a computer (PC/MAC)

Note: *If you use Windows 98 or Windows 2000, make sure the driver has been installed before connecting the camera.*

1. Set the camera to the 'Playback' mode. Turn the camera on.

2. Connect one end of the USB cable to the camera.

3. Connect the other end of the USB cable to the computer.
   New hardware will be detected and the driver will be automatically installed.
   The LCD screen will turn off and the green indicator will be lit.

Windows 98 / Windows ME / Windows 2000

   a. Open 'My Computer'.

   b. Open the 'Removable Disk'.

Note: *The drive letter of the 'Removable disk' can vary for different computers.*

   c. Open the 'DCIM' folder.

   d. Click on 'View' in the menu bar and select 'Thumbnails' (Windows ME, Windows 2000) to see thumbnails of the pictures.

   e. Double-click on a file to open or edit it.

Windows XP

a.   A window will appear automatically which gives you various options. Select 'Using folder to view files' (see figure 9).

b.   Double-click on the 'DCIM' folder.

c.   Double-click on the '100MEDIA' folder. This folder contains all the recordings saved on the camera.

d.   Click on 'View' in the menu bar and select 'Filmstrip'.

e.   Double-click on a file to open or edit it.

Macintosh

a.   An icon labelled 'UNLABELED' will be displayed on the desktop.

b.   Double-click on the 'Unlabeled' icon.

c.   Double-click on the 'DCIM' folder.

d.   Double-click on the '100MEDIA' folder. The recordings are saved in this folder.

e.   Double-click on a file to open or edit it.

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Other functions and operating the camera

9   General functions

9.1   Rotary button

The camera can be set to a certain mode using the rotary button (3, figure 1).

Symbol	Function	Description
📷	Capture mode	Takes photographs.
▶	Playback mode	Displays photographs and video clips.
🎥	Video mode	Records video clips.
SET	Setup mode	Configures the camera.

Table 7: Mode settings

9.2   LCD screen

The LCD screen allows you to view the photographs and video clips, use the menu, etc.

Capture mode or video mode:
- Press the LCD button (6, figurer 4) to turn off the details.
- Press the LCD button again to turn the LCD screen off.
- Press the LCD button again to make everything visible again.

Note: *You cannot alter anything in the menu when the LCD screen is turned off.*

Playback mode:
- Press the LCD button to display details about the recording (resolution, date, time and flash).
- Press the LCD button again to return to the normal image.

Setup mode: it is not possible to turn the LCD screen off in this mode.

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9.3   Stand

The stand supplied with the camera can be used to keep the camera stable. It is recommended to use the stand when using the automatic exposure function or when using the macro setting.

1.   Screw the stand into place on the bottom of the camera (2, figure 3).
2.   Unfold the feet, unlock the stand using the handle and place the camera in the desired position.
3.   Lock the stand by placing the handle back in the starting position.

9.4   Attaching the wrist strap

You can attach the wrist strap to the camera for optimal ease of use and safety.

1.   Insert the thin end of the wrist strap through the eye (4, figure 4).
2.   Make a loop from the part of the wrist strap which has been inserted through the eye.
3.   Thread the other end of the wrist strap through the loop.

10   Taking a photograph

10.1   Zooming in or out

This camera has a 4x digital zoom. The digital zoom increases the size of the image by digitally processing it.

Press the control button to the right to zoom in. Press the control button to the left to zoom out.

Whilst zooming in or out, the increase in size is displayed in the zoom bar on the left-hand side of the LCD screen.

Note: *Use the LCD screen when using the digital zoom. Images are not displayed in the viewfinder when using the digital zoom.*

Note: *The quality of the image is reduced when using the digital zoom.*

Note: *The digital zoom does not work when recording video clips.*

10.2   Using the macro function (close-up photographs)

The Trust 960 PowerC@m CCD has a macro function which can be used to take photographs at a minimum distance of 20 cm.

Selecting the macro mode:
Slide the macro button (5, figure 2) upwards or downwards (see table 8 for an explanation).

🕴	Standard mode
	Distance: 80 cm to infinity.
♣	Macro mode (for taking close-up photographs)
	Distance: 20 cm
	The macro symbol will be displayed in the bottom left-hand corner of the LCD screen when this mode is selected using the macro button (5, figure 2).

Table 8: Macro options

Note: *It is recommended to use the stand and the automatic exposure function (see chapter 10.3) when using the macro function.*

10.3   Automatic exposure

The camera has an automatic exposure function which gives a time delay of 10 seconds before the photograph is taken. You can use the automatic exposure function to take a photograph of yourself.

The default setting when the camera is turned on is off. The automatic exposure function can be turned on as follows.

1.   Set the camera to the 'Capture' mode.
2.   Press the control button upwards to select the automatic exposure function. The symbol for the automatic exposure function will appear on the LCD screen.

Press the exposure button (1, figure 1) to take a photograph using the automatic exposure function.

Whilst counting down (10 seconds):
- A beep will be heard.
- The number of seconds remaining will be displayed on the LCD screen.
- The automatic exposure indicator (4, figure 2) will flash.

Note: *It is recommended to use the stand when taking a photograph using the automatic exposure function.*

10.4   Setting the flash

The camera has variou flash options.

Selecting the flash:

1.   Set the camera to the 'Capture' mode.
2.   Press the control button downwards. Repeat this until the correct setting has been reached (see table 9).

Symbol	Description
🚫	Flash off.
⚡A	Automatic flash. The flash will work automatically when there is insufficient light.
👁	Automatic flash with red-eye reduction. The flash will work automatically when there is insufficient light. An extra flash will be given to avoid the red-eye effect.
🌙	Synchronization of a low shutter time (Night Scene). The flash works with a low shutter speed to produce the correct lighting. It is recommended to use the stand.
⚡	Flash on. The flash will work every time, regardless of the lighting conditions.

Table 9 : Flash

Note: *The batteries become empty quickly when the flash is used a lot.*

Note: *Under normal circumstances, it takes between 6 and 10 seconds to recharge the flash, depending on the battery power.*

Note: *The flash cannot be used when the battery power is low. Replace the batteries*

10.5   Menu settings when in the 'Capture' mode

The following settings can be altered in the menu when the camera is in the 'Capture' mode: image size, image quality, voice memo, exposure and white balance.

1.   Set the camera to the 'Capture' mode'.
2.   Press the 'Menu' button.
3.   Scroll through the functions by pressing the control button up and down. Confirm an option by pressing the control button to the right. The next menu will then be displayed.
      Press the 'Menu' button to return to the previous level.
4.   See the table below for a summary of the functions.

Point	Options	Symbol on the LCD screen	Comments
Resolution (Image Size)	2560 x 1920 (XL)	🗔XL	Sets the resolution for taking a photograph (see chapter 10.5.1).
	2048 x 1536 (L)	🗔L	(2560 x 1920 = 5 Megapixel 2048 x 1536 = 3.1 Megapixel
	1600 x 1200 (M)	🗔M	1600 x 1200 = 2 Megapixel

Point	Options	Symbol on the LCD screen	Comments
	1280 x 960 (S)		1280 x 960 = 1.3 Megapixel)
Compression (Quality)	Super Fine		Sets the compression ratio (see chapter 10.5.2).
	Fine		
	Normal		
Audio recording (Voice Memo)	Off		Records sound after a photograph has been saved.
	10 sec		The duration of the sound recording can be set to 10 seconds, 20 seconds, 30 seconds or 'Manual'.
	20 sec		
	30 sec		
	Manual		If 'Manual' is selected, press the exposure button to save the voice memo.
Exposure	-2.0 → 0 → +2.0 (step 0.5)	±0	Sets the exposure (see chapter 10.5.3).
White Balance	Auto	AUTO	Sets the white balance (see chapter 10.5.4).
	Daylight		
	Sunset		
	Fluorescent		
	Tungsten		

Table 10 : Menu settings in the capture mode

10.5.1 Resolution

Photographs can be saved in the memory in four different resolutions. The lower the resolution, the more photographs you can save in the camera's memory. The higher the resolution, the more detailed the photograph will be.

Use a low resolution if you wish to upload photographs onto the Internet.
Use a high resolution if you wish to print or edit photographs.

10.5.2 Compression

You can determine the quality of the photographs using the compression.

The higher the quality setting (Super Fine), the better the final image. A higher quality requires more memory and limits the number of photographs which can be saved in the camera's memory.

Super Fine is the best quality setting. Normal is the lowest quality setting. The quality setting can be altered as desired.

See the table below for a summary of the number of photographs than can be saved in the camera's internal memory.

Note: *The numbers given in the table below are only an indication of the expected capacity.*

Resolution	2560 x 1920	2048 x 1536	1600 x 1200	1280 x 960

Quality	(XL)	(L)	(M)	(S)
Super Fine	9	13	20	30
Fine	18	25	37	56
Normal	27	37	57	81

Table 11: Number of photographs that can be saved in the camera's internal memory

10.5.3 Exposure

You can adjust the exposure to underexpose or overexpose photographs. This will make darker objects lighter or objects which are brightly lit less bright.

Note: *A higher value (+2.0) produces a very bright photograph.*

10.5.4 White balance

Under normal circumstances, the white balance is set automatically. You can select the white balance manually for conditions which do not change or for certain lighting conditions.

- <u>Auto</u>: automatic setting (indoor and outdoor photography).
- <u>Daylight</u>: setting for sunny weather (outdoor photography).
- <u>Sunset</u>: setting for cloudy weather (outdoor photography).
- <u>Tungsten</u>: setting for incandescent lighting (indoor photography).
- <u>Fluorescent</u>: Setting for fluorescent lighting (indoor photography).

Tip: *A photograph is sensitive to the light conditions. In sunlight, the photograph appears blue and under fluorescent lighting, the photograph appears green. The human eye can solve this problem. The camera, however, cannot solve this problem without making alterations.*
Under normal conditions, the white balance is adjusted automatically by the camera. If there are strange colours, it is recommended to alter the white balance manually.

11   Recording a video clip

1. Set the camera to the 'Video' mode.
2. Press the exposure button to start recording. A camera and microphone symbol will flash in the top left-hand corner of the LCD screen.
3. By default, the recording will be stopped after 10 seconds and saved in the camera's memory.

Altering the duration of a video recording:

Press the 'Menu' button to alter the duration of a video recording. You can choose 10 seconds, 20 seconds, 30 seconds or 'Manual'.
If you select 'Manual', the recording is stopped by pressing the exposure button.

Recording a video with a delayed start:

You can delay the start of a video recording by using the automatic exposure function (see chapter 10.3).

Recording a close-up video clip:

A video recording can be made in both the normal mode or the macro mode (see chapter 10.2).

Note:	*'Low light!' is displayed on the LCD screen when there is insufficient light. Improve the lighting conditions or record a video clip in a different location. Increasing or reducing the distance to the object may also solve the problem.*
Note:	*The digital zoom cannot be used when recording a video clip.*
Note:	*Sound is recorded with the video clips. It is not possible to turn the microphone off.* *The noise of the surroundings will be included in the video clip.*

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12   Viewing photographs and video clips

The 'Playback' mode allows you to view photographs and video clips saved in the memory. Other options in this mode include 'Delete', 'DPOF', 'Slide show', etc.

Set the camera to the 'Playback' mode to view photographs and video clips.

Scroll to the next or previous recording by pressing the control button up or down. A symbol of a video camera will be displayed in the top left-hand corner of the LCD screen when the recording is a video clip.

Photo:	Press the control button to the right to zoom in on a photograph.
Video:	Press the control button to the right to play a video clip.
Note:	*Press the control button to the right to stop playing a video clip (pause). Press the control button to the right again to continue playing the video clip.*
Note:	*The image is unfocused when first displayed on the LCD screen. The image will become focussed after 2 seconds. This is normal.*
Note:	*You can scroll to the next or previous recording after the image has become focussed . Take this 2 second delay into consideration when scrolling through the recordings in the camera's memory.*
Note:	*You cannot listen to the sound recorded with the video clip on the camera. Connect the camera to a computer to listen to the sound.*

12.1.1   Displaying thumbnails

1.   Press the control button to the left. Nine thumbnails will be displayed on the LCD screen.

2.   Press the control button up or down to search for the desired recording. Press the control button to the left or right to see the full-size image on the LCD screen.

3.   Press the control button up or down to go to the previous or next photograph or video clip.

12.1.2   Display with the digital zoom

The camera has a 4x digital zoom. This allows you to increase the size of the photograph to four times the size of the original.

1.   Press the control button to the right. The zoom bar will be displayed on left-hand side of the LCD screen.

2.   Determine the desired increase in size by pressing the control button up or down.

3.   Press 'Set' (press the control button to the right) to confirm the increase in size. You can now move around the photograph using the control button.

Press the 'Menu' button to return to the original size.

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12.2 Menu settings

The following settings can be altered in the menu when the camera is in the 'Playback' mode: Delete, Slide show and Protect.

1. Set the camera to the 'Playback' mode.
2. Press the 'Menu' button.
3. Scroll through the functions by pressing the control button up and down.
Confirm an option by pressing the control button to the right. The next menu will then be displayed.
Press the 'Menu' button to return to the previous level.
4. See the table below for a summary of the functions.

Point	Options	Comments
Delete	Delete Image	Delete a photograph or video clip, delete all the photographs and video clips or format the memory.
	Delete All	
	Format	
Slide Show	1, 3, 5, 7, 9 sec	Time delay setting for a slide show.
Protect	Unlock	Protection to prevent photographs or video clips from being deleted.
	Lock ⊕▭	
Print [1]	X0 → X9 ▤	Set number of copies to be printed on a printer.

Table 12: Menu settings

[1] This option is only available when a memory card has been inserted into the camera.

12.2.1 Deleting photographs and video clips

Deleting a photograph or a video clip

1. Open the menu.
2. Select 'Delete'.
3. Select 'Delete Image'.
4. Select 'Yes' to delete the image.
Select 'No' to cancel the deletion.

Note: *Photographs and video clips cannot be deleted if they are protected against being deleted. Remove the protection if you wish to delete a photograph or a video clip.*

Deleting all the photographs and video clips

1. Open the menu.
2. Select 'Delete'.
3. Select 'Delete All'.
4. Select 'Yes' to delete all the photographs and video clips.
Select 'No' to cancel the deletion.

Note: *All the photographs and video clips will be deleted. The photographs and video clips protected against being deleted will not be deleted.*

Formatting the memory

1. Open the menu.
2. Select 'Delete'.
3. Select 'Format'.

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4.   Select 'Yes' to format the memory.
      Select 'No' to cancel the formatting.

Note: *All the photographs and video clips will be deleted when the memory is formatted, included the photographs and video clips protected against being deleted.*

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12.2.2   Slide show

1.   Open the menu.
2.   Select 'Slide Show'.
3.   Set the time.
4.   Press 'Set'.
5.   All the photographs will now be displayed in turn for the time which has been set. The camera will make two beeps when the final photograph has been displayed.

Note: *It takes 2 seconds before the photograph becomes focussed on the LCD screen. It then takes x seconds before the next photograph appears.*

12.2.3   Print

Note: *This option is only available when a memory card has been inserted into the camera and the photographs have been saved on the memory card.*

1.   Open the menu.
2.   Select 'Print'.
3.   Select the number of copies to be printed (1 to 9).
4.   Press 'Set'.

If the memory card is inserted into a printer with a card reader, it is possible to print the selected photographs directly. A computer is then not necessary.

See the instruction manual provided with your printer.

13   Fixed settings

You can change the fixed settings in this menu, such as the sound, energy saving function, etc.

1.   Turn the camera on.
2.   Set the camera to the 'Setup' mode.
3.   Scroll through the functions by pressing the control button up and down. Confirm an option by pressing the control button to the right. The next menu will then be displayed.
      Press the 'Menu' button to return to the previous level.

Function	Options	Description
Beep	On	Sound signal when using the camera.
	Off	
Power off	Cancel	Energy saving setting which can be set between 1 and 10 minutes or turned off.
	1 – 10 min	
Date Stamp	On	For displaying the date the photograph was taken.
	Off	
Date Type	YY/MM/DD	The way in which the date is displayed on the photograph.
	MM/DD/YY	
	DD/MM/YY	
Date set		Set the date and time.
		(Reset the date and time after replacing the batteries.)
Quick view	On	Select a quick view of the last recording.
	Off	
Language	English	Language setting for the LCD screen.
	Francais	
	Deutsch	
	Espanol	
	Italiano	
Reset		Return to the default settings.

Table 13: Settings

14   Inserting/removing a memory card

The Trust 960 PowerC@m CCD has a 16 MB internal memory. By default, photographs and video clips are saved in the internal memory. This memory can be increased by using a SD (Secure Digital) memory card. The photographs and video clips are automatically saved on the memory card when one has been inserted into the camera.

Memory cards can be purchased from, for example, a photography shop.

Note: *To avoid damage to the memory card and the camera, only insert or remove a memory card when the camera has been turned off.*

Note: *The internal memory CANNOT be removed.*

14.1   Inserting/removing a memory card

Follow the instructions given below to insert a memory card.

1. Turn the camera off.
2. Open the battery cover.
3. Insert the memory card into the camera as indicated in the battery compartment (see figure 7). Press the memory card into the slot until it clicks into place.

Remove the memory card by pushing it so that the lock is released. Remove the memory card from the camera

4.   Close the battery cover.

Note: *The memory card can only be inserted into the camera in one way. Do not force the card into the slot. This could damage both the memory card and the camera.*

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Note: *The camera automatically save photographs and video clips on a memory card when one has been inserted into the camera.*

The external memory card must first be formatted for optimal use.

Symbol which is displayed on the LCD screen (11, figure 5) when a memory card has been inserted into the camera.

The symbol flashes when the memory card has been write-protected. Remove the protection.

Note: *NEVER remove a memory card whilst the camera is still processing data (indicator flashes green (8, figure 4)). This may result in the loss of data or damage.*

14.2   Formatting the memory

For optimal use of the internal memory or a memory card, these must first be formatted before being used.

1.   Set the camera to the 'Playback' mode.

2.   Press the 'Menu' button (3, figure 4).

3.   Select 'Delete' and press the control button (5, figure 4) to the right ('Change').

4.   Select 'Format' and press the control button to the right ('Set').

5.   Select 'Yes' and press the control button to the right ('Set'). The memory will now be formatted. 'No image!' will be displayed on the LCD screen once the memory has been formatted.

SOFTWARE (installation and use)

15   Trust Photo Site

Trust offers you the possibility to publish your photographs on the Internet at
www.trustphotosite.com. There are a number of conditions attached to the use of this
site. The conditions can be found at www.trustphotosite.com.

15.1   Installing the Trust Photo Upload software

This software can be used to upload your photographs to the Trust Photo Site.

Note: *The latest version of the Trust Photo Upload software can always be*
            downloaded from the Trust website.

1.   Start the Trust Software Installer.

2.   Select 'Install software'.

3.   Select 'Trust Photo Upload'.

4.   Follow the on-screen instructions to complete the installation.

15.2   Using the Trust Photo Site

You must first register with Trust before you can upload photographs to the Trust
Photo Site.

15.2.1   Registering

15.2.1.1   For non-registered users

1.   Go to the Trust website (www.trust.com) to register yourself and your camera.
      After registering, you will receive a confirmation e-mail.

2.   Sign in using the confirmation code which is sent to you.

3.   Next, follow the instructions for registered users.

15.2.1.2   For registered users

1.   Go to the Trust Customer Care section of the website
      (www.trust.com/customercare). Register using your e-mail address and
      password (the password for the Trust website).

2.   Enter the item number of your digital camera and click on 'Search' to go to the
      support page for your camera

3.   To create an account, click on 'Create account' on the right-hand side of the
      Trustphotosite.com banner.

4.   Click on the 'Create trustphotosite.com account' button. It may take a while
      before the next window appears.

5.   Click on 'Continue'. In the window that appears, you can download software
      for uploading your photographs to the Trust Photo Site. You can download the
      latest version of the software here. (The Trust Photo Upload software is also
      included on the CD-ROM supplied with the camera.)

15.2.2   Using the Trust Photo Upload software

1.   Start Trust Photo Upload from the Windows Start menu (Start – Programs –
      Trust – Trust Photo Upload).

2.   Use the 'Explorer' to select the photographs you wish to upload. You can use the buttons on the right-hand side of the Explorer to select photographs, unselect photographs, view photographs, edit photographs, etc.

3.   Click on 'Upload'.

4.   Enter your e-mail address and the password for your Trust registration (not the password for your e-mail account).

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5.   Click on 'Next'. Your login information will be checked. This may take some time.

6.   Select the photo album where you wish to upload the photographs to or create a new album.

7.   Click on 'Next'. The photographs will now be uploaded. The progress will be displayed on your monitor. This may take a long time if you use an analogue modem.

8.   Click on 'Close' to close the window.

Go to the website www.trustphotosite.com and sign in.

You can now view your photographs, arrange them, etc. See the Help function on the website for more information.

16   ULEAD PHOTO EXPLORER 7.0 SE Platinum

Ulead® Photo Explorer contains options to quickly and easily open photographs, to edit photographs and to share digital photographs, as well as video files.

More information can be found at www.ulead.com/pex.

16.1   Installation

1.   Start the Trust Software Installer.

2.   Select 'Install software'.

3.   Select 'Ulead PhotoExplorer 7.0 SE Platinum'.

4.   Select the language you wish to use to install the program. Follow the on-screen instructions to start the installation.

Comment: *For TV System, enter the TV settings used in your country (PAL is supported in must European countries).*

Comment: *File association: Nothing will be changed if you select 'Do not change current file association'. If you select the second or third option, then the program will be linked to a certain file format, such as JPG.*

5.   Follow the on-screen instructions to complete the installation.

6.   Restart the computer when requested to do so. The Trust Software Installer will appear again when the computer is restarted.

16.2   Using Ulead Photo Explorer

You can use Ulead Photo Explorer 7.0 to download photographs onto your computer. A short description of how to use Photo Explorer is given below.

For a detailed description of Photo Explorer, see the program's Help function or the instruction manual included on the CD-ROM.

Set the camera to the 'Playback' mode and connect it to a computer.
Follow the instructions given below to use Photo Explorer.

1.   Click on 'Start – Programs - Ulead Photo Explorer 7.0 SE Platinum – Ulead Photo Explorer 7.0 SE Platinum'.

2.   The main window will appear. A 'Set-up Internet Connection' or 'Sign-up for Ulead's Mira' window may also appear. Click on the 'Skip for now' button to close these windows if they appear.
     The Trust camera will be visible as a 'Removable disk' in the list on the left-hand side of the window. (Click on My Computer.)

3.   Open the '100MEDIA' folder (My Computer – Removable disk – DCIM). Your photographs will slowly become visible. The window will now look like figure 10.

4.   Click on one of the thumbnails in the main window to edit the photograph, print the photograph, etc.

Note: *You will edit the original photograph and changes cannot be undone. It is recommended to first make a copy of a photograph before editing it.*

5.   Use the 'Digital Camera Wizard' (8th option from the left, camera symbol) to download your photographs onto your computer.
     You will have to use the 'Configure...' button once to indicate where the photographs must be saved to and whether these must be renumbered.

See the program's Help function for more information. Also see the software's instruction manual included on the CD-ROM.

Note: *The program has the option to publish your photographs on the Internet via Ulead Mira (if you have an Internet connection). This is useful if you wish to show your photographs to friends. Remember that anybody will then be able to see your photographs and the company that administers the site has the right to use your photographs in advertisements. This is also often the case with other photograph sharing websites and is partly the reason why they are free. Read the conditions carefully before registering. A photo website such as www.trustphotosite.com will not use your photographs for advertising or other purposes.*

17   Ulead Cool 360

Ulead Cool 360 is an image editing program that can be used to change the photographs you have taken using your camera into panoramic photographs.

More information can be found at www.ulead.com/cool360.

17.1   Installation

Follow the instructions given below to install the driver.

1.   Start the Trust Software Installer.
2.   Select 'Install software'.
3.   Select 'Ulead Cool360'.
4.   Follow the on-screen instructions.
5.   Click on 'Finish' to complete the installation.

17.2   Using Ulead Cool 360

Comment: *To make a good panoramic photograph, it is recommended to take photographs in the portrait format.*

Follow the instructions given below to use Cool 360.

1. Click on 'Start – Programs - Ulead Cool 360 – Ulead Cool 360' (see figure 11).
2. Click on 'Start' and then on 'New Project' (right). A Wizard will appear.
3. Select the type of project (full 360^0 or widescreen).
   Give the project a name, for example, COOL.
   Click on 'Next' to continue.
4. Select the photographs which you wish to use for your project. You can use photographs which are saved on your hard drive or photographs which are saved in the camera's memory.
   You can also re-order the photographs, rotate the photographs, etc.
   Click on 'Next' to continue.
5. Select 'Generic Camera'.
   Use the 'Disable Warping' and 'Disable Blending' options as required.
   Click on 'Finish'.
6. In the next window, you can alter a number of settings, such as the brightness, contrast, etc.
   The project can be completed once you have altered all the settings as required. Click on 'Finish' at the top of the main window.
7. Click on 'Save' to save the project. Depending on the number of photographs used, this can take a couple of minutes.

See the program's Help function for more information. Also see the software's instruction manual included on the CD-ROM.

18   Other programs

Apple QuickTime and Microsoft DirectX are used to provide extra support for the camera and as extra applications.

18.1   Apple QuickTime

The QuickTime Player is a user-friendly program for playing and viewing audio, video, VR or image files.

The latest release of Apple QuickTime can be downloaded from www.apple.com/quicktime.

If you have not already installed the program on your computer, you can install it now. Follow the instructions given below to do this.

1. Start the Trust Software Installer.
2. Select 'Install software'.
3. Select 'QuickTime 5.0'.
4. Follow the on-screen instructions. You do not need to register this program.

18.2   Microsoft DirectX 8.0

DirectX is a standardized group of technologies designed by Microsoft to ensure than Windows computers form an ideal platform for playing the latest DVD's and games, as well as for using various applications in which use is made of full-colour images, video files, 3D animations and surround sound.

The latest release of DirectX can be downloaded from www.microsoft.com/directx.

Carry out the following to install DirectX.

1. Start the Trust Software Installer.
2. Select 'Install software'.

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3. Select 'DirectX 8.0'.

4. Click on 'Yes' to accept the license agreement. Continue with the installation.

5. Click on 'Install' to start the installation

6. You will have to restart your computer after the installation of DirectX has been completed.

USE WITH A MACINTOSH

This camera can be used with an Apple Macintosh computer.

19   Use with a Macintosh

19.1   Connecting

1. Set the camera to the 'Playback' mode.
   Turn the camera on.

2. Connect one end of the USB cable to the camera.

3. Connect the other end of the USB cable to the Macintosh computer.
   The LCD screen will turn off and the green indicator will be lit.

4. An icon entitled 'UNLABELED' will be displayed on the desktop.

5. Double-click on the 'Unlabeled' icon, double-click on the 'DCIM' folder and double-click on the '100Media' folder. The recordings are saved in this folder.

6. Double-click on a file to open it.

19.2   Ulead Photo Explorer 2.01

19.2.1   Installation

1. Insert the CD-ROM into your CD-ROM drive. A Trust window will appear

2. Click on 'OK'. The installation window will appear.

3. Click on 'Install'. The files will now be copied to your hard drive. This may take some time. 'Finished' will then appear.

4. Click on 'Quit' to complete the installation. The 'Trust 960 PowerC@m CCD' folder will appear.

5. Double-click on 'PEX 2.0' to install Ulead Photo Explorer.
   PEX 2.0 -> English version
   PEX 2.0F -> French version
   PEX 2.0I -> Italian version
   PEX 2.0G -> German version
   PEX2.0P -> Portuguese version
   PEX2.0S -> Spanish version

6. Follow the on-screen instructions to complete the installation.

19.2.2   Use

Open the 'Photo Explorer' file in the 'Ulead Photo Explorer' folder.

This folder also contains an instruction manual for the software. See the instruction manual for further information.

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20   Troubleshooting

Method
1.   Read the solutions given below.
2.   Check for up-to-date FAQ's, drivers and instruction
      manuals on the Internet (www.trust.com/13806).

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20.1   Installation

20.1.1   Uninstalling old drivers and devices
The most common cause of faults during installation is the presence of a driver for a
similar, old device. The best solution is to first remove all drivers related to old
devices before installing the new driver. Make sure you only delete drivers for old,
unused (similar) devices.

1.   Enter the Windows 'Safe Mode' (press F8 when starting Windows and then
      select 'Safe Mode' from the menu which will be displayed).
2.   Click on 'Start – Settings – Control Panel' and double-click on the
      'Add/Remove Programs' icon.
3.   Find all the programs for similar, old devices and remove these by clicking on
      the 'Add/Remove' button. When in the 'Safe Mode', it is possible for some
      programs to appear twice. In that case, remove all the programs which appear
      twice.
4.   Restart the computer.

20.2   Checking after the installation

After installing the device and the programs, the following are installed on your
computer and can be checked.

'Start – Settings – Control Panel'. Double-click on the 'System' icon and select the
'Device Manager' tab.

Disk drives – Trust 960 PowerC@M CCD (Win 98)

Hard disk controllers – Trust 960 PowerC@m CCD (Win 98)

Hard disk controllers – USB Mass Storage Device (Win 98)

Disk drives – Trust 960 PowerC@m CCD USB Device (Win 2000, XP)

Storage volumes – Generic Volume (Win 2000, XP)

Universal Serial Bus controllers – USB Mass Storage Device (Win 2000, XP)

Start – Settings – Control Panel – Add/Remove Programs

QuickTime

Trust Photo Upload

Ulead Cool 360 1.0

Ulead Photo Explorer 7.0 SE Platinum

Note: *The information given above will vary when the installation has*
                 been altered by the user (for example, not everything has been

installed or locations other than the default locations have been selected).

Note: *Deviations may also occur as a result of using new drivers available on the Internet.*

Note: *The location or name may vary in the Control Panel for different operating systems.*

Problem	Cause	Possible solution
Windows does not detect a new device after connecting the camera.	The computer's USB port does not work.	Check the settings for your USB port. For more information, see www.trust.com/customercare/help/usb.
	The camera has not been connected to a USB port.	Connect the camera to a USB port.
	The camera has been connected to a USB hub which does not have a power supply.	Connect the camera to a USB hub which has a power supply or to a USB port on your computer.
The error message 'Capture device was not detected' is displayed.	The camera has not been connected to a USB port.	Connect the camera to a USB port.
	The camera has been connected to a USB hub which does not have a power supply.	Connect the camera to a USB hub which has a power supply or to a USB port on your computer.
The camera does not do anything.	The batteries have been inserted incorrectly or are empty.	Insert the batteries into the battery compartment as indicated (see chapter 4).
	The camera is still connected to your computer.	Disconnect the USB cable. The camera cannot be operated when it is connected to a computer.
	The camera is turned off or is in the sleep setting.	Turn the camera on again.
'Lens cover' flashes on the LCD screen.	The lens protector has not been opened.	Open the lens protector (see chapter 6).
The camera turns off after a couple of seconds.	'Lens cover' flashes on the LCD screen.	Open the lens protector and turn the camera on again (see chapter 6).
'Low Light' and/or the 'Low light indicator' appears on the LCD screen.	There is insufficient light.	Use the flash (see chapter 10.4), increase or decrease the distance to the object, use a light source or take a photograph in a different location.

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Problem	Cause	Possible solution
The recordings are not clear (hazy).	The camera was moved when taking a picture.	Try to hold the camera still or use the stand.
	The distance to the subject is too small.	Increase the distance or use the macro setting.
	There is insufficient light.	Improve the lighting.
	The macro switch is set to the wrong setting.	Set the macro switch to the correct setting.
No photograph is taken when the exposure button is pressed.	The automatic exposure function is still turned on.	Turn the automatic exposure function off.
	The memory is full.	Transfer photographs to your computer and delete the contents of the memory. You can take many more photographs using an SD or MMC card. Ask your dealer.
	The camera is still busy saving the previous photograph.	Wait until the photograph has been saved in the memory.
The colours of the photograph are incorrect.	The white balance has been incorrectly set on the camera.	Set the white balance correctly (see chapter 10.5.4).
	The background lighting is not white.	Try to adjust the white balance (see chapter 10.5.4).
	The monitor has not been set correctly.	Compare the photograph to other photographs (for example, on the Internet) where you known the colour is correct. Adjust your monitor correctly (see the instruction manual provided with your monitor).
	The printer has been set incorrectly.	If the photographs look good on your monitor, check your printer settings.
	An inkjet printer has a blocked ink cartridge.	See the instruction manual provided with your printer for instructions on how to test the printer and solve any problems.
	The paper used is unsuitable for printing photographs.	Use original paper from your printer manufacturer for the most reliable result.
There is noise in the photographs or the photographs are too dark.	The photographs are taken in dark surroundings.	Make sure there is sufficient light or use the flash.
	The flash has been used, but the distance is too great.	Use the flash up to a distance of 3 metres. The flash cannot be used for greater distances.

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Problem	Cause	Possible solution
The photographs are overexposed.	The flash has been used in bright surroundings.	The flash is not suitable for providing additional lighting. Do not use it in daylight.
	The contrast in the subject is too great.	Change the lighting or take the photographs closer by or further away.
	The photographs were taken in bright sunlight.	Take photographs in shadow or try to adjust the white balance (see chapter 10.5.4).
'File error' is displayed on the LCD screen.	The recording has been saved in the wrong format or cannot be read by the camera.	Memory card: the recording has been made using a different camera. Use a card reader to read the data contained on the memory card.
		Internal memory: delete the recording and make another one.
'Memory error' is displayed on the LCD screen.	The memory card has not been formatted.	Format the memory card (see chapter 14.2).
The problem is not listed here.	Check the Internet for the latest update of the camera Troubleshooter.	Click on www.trust.com/customercare/help/camera

If you still have problems after trying these solutions, please contact one of the Trust Customer Care Centers. You can find more information at the back of this instruction manual. Please have the following information available:

- The item number. This is 13806.
- A good description of what does not work.
- A good description of when the problem occurs.

21   Warranty conditions

- Our products have a two-year manufacturer's warranty which is effective from the date of purchase.

- If there is a fault, return the product to your dealer. Include an explanation of the fault, the proof of purchase and all the accessories.

- During the warranty period, you will receive a similar model, if one is available. If no similar product is available, your product will be repaired.

- Please contact our help desk for missing components, such as the instruction manual, software or other components.

- The warranty becomes invalid if the product has been opened, if there is mechanical damage, if the product has been misused, if alterations have been made to the product, if the product has been repaired by a third party, in the case of negligence or if the product has been used for a purpose other than that originally intended.

- Excluded from the warranty:
  - Damage caused by accidents or disasters, such as fire, flood, earthquakes, war, vandalism or theft.
  - Incompatibility with other hardware/software which is not stated in the minimum system requirements.
  - Accessories, such as batteries, fuses (if applicable).

- Under no circumstances will the manufacturer be held responsible for any incidental or consequential damage, including the loss of income or other commercial losses resulting from the use of this product.

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24 HOURS free service: www.trust.com		
Residents in the UK and Ireland should contact:		
	UK Office	
Mon - Fri	Phone	+44-(0)845-6090036
From 8:00 - 16:00	Fax	+31-(0)78-6543299
I residenti in Italia possono contattare:		
lun - ven	**Ufficio italiano**	
9:00 – 17:00	Telefono	+39-(0)51-6635947
	Fax	+31-(0)78-6543299
Les habitants de la France et de l'Afrique du Nord peuvent contacter :		
	Bureau français	
Lundi-vendredi	Téléphone	+33-(0)825-083080
De 9:00 à 17:00	Fax	+31-(0)78-6543299
Kontaktadresse für Einwohner Deutschlands:		
	Deutsche Geschäftsstelle	
Mo – Fr	Telefon	+49-(0)2821-58835
9:00 - 17:00	Fax	+31-(0)78-6543299
Los habitantes de España pueden ponerse en contacto con:		
	Oficina española	
lun – viernes		
De las 9:00 a las 17:00	Teléfono	+34-(0)902-160937
horas	Fax	+31-(0)78-6543299
Osoby mieszkające na terytorium Polski powinny skontaktować się:		
	Biuro w Polska	
Pon do pią	Tel	+48-(0)22-8739812
w godz 09:00-17:00	Fax	+31-(0)78-6543299
Inwoners van Nederland kunnen contact opnemen met:		
	Kantoor Nederland	
ma – vr	Tel	+31 (0)78-6543387
9:00 - 17:00 uur	Fax	+31-(0)78-6543299
All other countries / Alle anderen Länder / Tous les autres pays		
Tutti gli altri paesi / Todos los demás países / Alle andere landen		
	European Head Office	
Mon - Fri	Phone	+31-(0)78-6549999
From 9:00 - 17:00	Fax	+31-(0)78-6543299