

ENGLISH

CONGRATULATIONS

Congratulations on the purchase of your new camera. Your camera has been carefully engineered and manufactured to give you dependable operation. Read this manual before operating the camera to become more familiar with it and to obtain the performance that will bring you continued enjoyment for many years.

This manual has been written and formatted with depth and detail so that you can easily follow the instructions to maximize the features of your camera.

Table of Contents

Important Information	3
Camera Features	5
System Requirements	5
1. The Camera	
Overview of your Concord Eye-Q Duo LCD Camera	6
Loading the Batteries	7
Turning the Camera On and Off	8
Camera Memory	18
Using the LCD	9
Turning the LCD On and Off	8
LCD Status Messages	8
Camera Ready LED Status	9
2. Camera Mode	
Taking Pictures	10
Main Menu	11
Mode Select	11
Video Clips	12
Self-timer	13
Quality	13
Flash	14
WB (White Balance)	
Brightness	
Set-up	19
2X Digital Zoom	11
3. Review Mode	
2X Enlargement	10
Viewing Video Clips	11
Main Menu	11
Delete	13
Thumbnail	14
Brightness	15
Set-up	19
Transfer	19
4. Software Installation	
Installing the Camera Drivers and ArcSoft Applications	20

5. Transferring Photos to the Computer	
Connecting the Camera to the Computer	21
Retrieving Pictures From the Camera	22
<i>Mass Storage Mode (HDD)</i>	23
<i>WDM/TWAIN Drivers (PC)</i>	24
<i>ArcSoft PhotoImpression</i>	19
6. Special Features	
PC Video Clips.....	23
Web Cam	25
TV Mode	26
Interchangeable Face Plates	31
7. Camera Maintenance	
Cleaning the Eye-Q Duo LCD.....	32
8. Tips and Troubleshooting	33
9. Getting Help	37
10. Camera Specifications	38
11. Warranty Information	40

IMPORTANT INFORMATION

FCC INFORMATION

FCC WARNING: This equipment meets the limits for a Class B digital device, pursuant to Part 15 of FCC rules. Only the cable supplied with the camera should be used. Operation with other cables is likely to result in interference to radio and TV reception and could void the user's authorization to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

*Tested To Comply
With FCC Standards
for HOME OR OFFICE USE*

Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment.

USER INFORMATION

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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

VCCI INFORMATION

This is a Class B product, to be used in a domestic environment, based on the Technical Requirement of the Voluntary Control Council for Interference (VCCI) from Information Technology Equipment. If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Please install and use the equipment according to the instruction manual.

PRECAUTIONS

Be sure to observe the following precautions when using the camera:

- Do not open the case of the camera or attempt your own repairs. Always leave this service to authorized repair facilities.
- Keep the camera away from water and other liquids, and never let it get wet. Never use outdoors when it is raining or snowing.
- Should foreign matter or water get into the unit, immediately turn the power off and contact your local authorized service center.
- Physical damage and malfunction of this unit can cause the image data stored in its memory to be deleted. Be sure to always keep backup copies of data by transferring them to a personal computer.
- Under the environment with electrostatic discharge, the camera may malfunction and require the user to reset the camera.
- Do not leave the camera in places subject to extremely high temperatures, such as in a closed vehicle or in direct sunlight.
- Remove the battery when camera is not used for long periods of time.
- Use LR6 AA batteries only.
- Dispose of the batteries in a manner that complies with applicable laws.
- Do not place the camera in unstable locations where the camera may fall and be damaged.
- Do not press on the LCD or lens.
- Do not unplug the camera from the TV or computer while the camera is in operation, otherwise the memory may be corrupted.
- Do not turn the power off or open the battery compartment when the LED is blinking or lit up, otherwise the image may not get stored.

Camera Features

- Stores up to 16 Fine, 32 Normal or 60 Economy mode photos with 8MB internal memory
- Virtually unlimited storage using the removable MultiMediaCard (MMC). (MMC memory cards sold separately)
- LCD
- USB connection and cable
- TV connection (NTSC and PAL) and cable
- Built-in automatic flash
- Focus free from 4 feet (1.2 meter) to infinity
- 1280 x 960 pixel resolution (1.3 Mega Pixel)
- TV On Screen Display (OSD) menu
- Video Clip Mode
- PC Video Clips and Web Camera
- Self-timer
- Interchangeable face plates
- Tripod socket
- 2X Digital Zoom

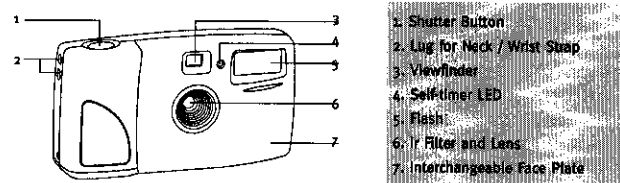
System Requirements

- VGA monitor, 256 color (1024 x 768 16 bit color recommended)
- Microsoft Windows ME, Windows 98, Windows 2000, Windows XP and Mac
- 175 MB free hard disk space
- 32 MB RAM (64 MB recommended)
- CD-ROM drive
- Mouse
- USB port
- IBM PC/AT or compatible, 200 Mhz or higher

1. The Camera

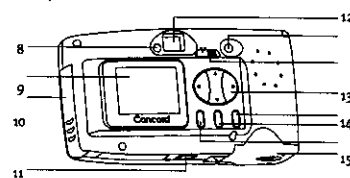
Overview of Your Concord Eye-Q Duo 1300 Camera

FRONT/TOP



- 8. Camera Ready LED
- 9. Cable Connection Panel
- 10. Menu Button
- 11. OK Button
- 12. LCD On/OFF
- 13. Mode Switch
- 14. Tripod Socket
- 15. Power Button
- 16. LCD
- 17. Select Button
- 18. Battery Door

BACK/BOTTOM



Loading the Batteries

The Concord Eye-Q Duo LCD uses 2 LR6 AA batteries.

Loading the Batteries:

1. Locate the battery door on the bottom of the camera.
2. Slide the button on the battery door towards the center of the camera. (fig.1.1)
3. Lift the battery door to open.
4. Insert the batteries with the positive terminal toward the + sign, and the negative terminal toward the - sign. (fig.1.2)
5. Close the battery door.



fig.1.1

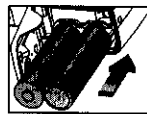


fig.1.2

Note: Remove the batteries from the Concord Eye-Q Duo LCD if the camera will not be used for an extended period of time to prevent corrosion or battery leaks.

Checking the Batteries

The camera has a battery indicator that shows the current battery level.



FULL
Batteries are full
and ready to use.



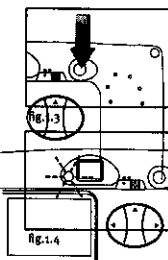
LOW
Batteries are low
and need to be
replaced.

Turning the Camera on and off

When the camera is turned on, the camera ready LED on the back of the camera blinks and the Status LCD panel displays the default settings. To extend battery life, the camera automatically powers off after 60 seconds of inactivity by default.

Turning the Camera on and off:

1. Press the **Power** button to turn the camera on. (fig.1.3)
2. The camera is ready for picture taking when the camera ready LED stops blinking and the icons appear on the Status LCD. (fig.1.4)
3. To turn the camera off, press the **Power** button for a few seconds.



Camera Memory

The Concord Eye-Q Duo LCD can store pictures in one of two ways using either the camera's 8MB internal memory or the removable MultiMediaCard (MMC).

- When the MMC is inserted, the internal memory will be transferred automatically onto the memory card.

LCD	Default Memory
()	MMC
No ()	Internal Memory (8MB)

Note: If a MMC with insufficient memory is inserted, there will only be a partial transfer and the memory card will be filled. Please insert a memory card with sufficient memory, or delete images. Please refer to the Deleting Photos section for instruction. (P)

The Memory Is Full When:

- **FULL!** is displayed in the LCD when the shutter button is pressed.

When the camera's internal memory or the MMC is full, you will need to delete images to continue to take pictures. Please refer to the Deleting Photos section for instructions.

Note: there may be available storage space by using a lower photo quality setting. Refer to the QUALITY section to select a lower quality setting on P.

Using the MultiMediaCard

Inserting the memory card:

1. Locate the battery door on the bottom of the camera.
2. Slide the button on the battery door towards the center of the camera.
3. Insert the MMC as indicated by the arrow. (fig.1.5)
4. Close the battery door.

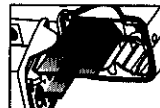


fig.1.5

Note: For better performance, please use MMC memory cards with 16 MB of storage or higher.

Note: If the internal memory or the MMC is corrupted, the LCD will read ERROR! The memory needs to be formatted. Please refer to the Deleting Photos section for further instructions.

Turning the LCD On and Off

By default, the LCD automatically turns on when the camera is powered on. You may use the () to turn the LCD on or off.

Using the () Display ON/OFF Button:

1. Press once to turn the icons on the LCD off.
2. If the icon's are not on, pressing () will turn the LCD off.
3. Once the LCD is off, pressing () will turn the LCD on again.

LCD Status Messages

Messages on the LCD indicate if the memory is full or if there is a problem with the memory.

LCD MESSAGE	STATUS
FULL!	The camera's internal memory or the MMC is full.
ERROR!	The camera's memory or the MMC's memory may be corrupted.

Camera Ready LED Status

When the Camera Ready LED is:

1. Steady

The camera is in picture capture mode. Please hold the camera steadily during this time, otherwise the image may come out blurry.

2. Blinking

The flash is recharging or the camera is in background storage mode. You may move the camera in this mode.

Note: Do not open the battery door or turn the power off while the Camera Ready LED is steady or blinking, otherwise the images or video clips in the camera may be damaged.

2. Camera Mode

Taking Pictures:

1. Set the camera to Camera Mode by moving the Mode Switch to ().
2. Position the subject in the viewfinder OR the LCD.
3. Gently press the **Shutter** button (fig.2.1) and keep the camera still until the camera ready LED next to the viewfinder flashes. (fig.2.2)
4. When the image has been captured, the camera ready LED next to the viewfinder begins to blink. This indicates that the image is being processed.
5. A preview of the image will be displayed on the LCD for 2 seconds after it is captured and the file counter number displayed in the LCD will be updated.

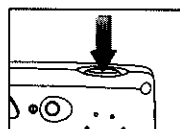


fig.2.1

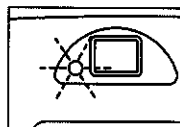


fig.2.2

MAIN MENU

1. In Camera Mode, press MENU.
2. Press ▲ or ▼ toggle between the options.
3. Press ► to view the sub-menu of the selected option.
4. If you would like to exit any menu, press ▼ until (exit) is highlighted to return to the previous menu.

MODE SELECT

Taking Video Clips

1. When Video Clip is highlighted in the MODE SELECT menu, press OK.
 2. Press the shutter button to begin recording a continuous video clip.
 3. The camera ready LED will blink when the camera is recording.
 4. Press the **Shutter** button again to stop recording.
- OR
5. The camera will continue recording until the memory is full.

Note: When the video clip session is complete, the camera will return to Camera Mode.

Note: The camera ready LED will blink rapidly when the camera is storing the Video Clip. Do not open the battery door or turn the camera off while the LED is blinking, otherwise the video clip may not be stored.

Note: If you would like to cancel your video clip session before pressing the shutter button, press MENU to exit.

Self-timer

1. When Self-timer is highlighted in the MODE SELECT menu, press OK.
2. Position the subject in the camera
3. Press the **shutter** button.
4. The camera ready LED and the self-timer LED will blink for 10 seconds and then the image will be captured.

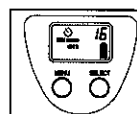


fig. 4.8

QUALITY

1. In the QUALITY menu, press ▲ or ▼ to toggle between Fine, Normal and Economy.
2. Press OK to select the quality mode and to return to Camera Mode.

	Fine	Normal	Economy
JPEG ratio	5.5:1	12:1	24:1
Images taken with 8MB of Memory	16	32	60

Note: The selected option will be marked by ().

Flash

1. In the FLASH menu, press ▲ or ▼ to choose between Auto (), Flash (), and Flash Off ().
2. Press OK to select the flash mode and to return to Camera Mode.

Flash Status	Distance from subject
Auto ()	8.5ft (2.5m) and 3.9ft (1.2m).
Flash ()	8.5ft (2.5m) and 3.9ft (1.2m).
Flash OFF ()	8.5ft (2.5m) to Infinity

Note: The flash may need time to recharge between photos. While it is charging, the Flash icon () on the LCD blinks and the camera ready LED blinks. When both stop blinking you are ready to take another picture. If the batteries are low, the flash will not work. Insert fresh batteries.

WB (WHITE BALANCE)

1. In the WB (WHITE BALANCE) menu, press ▲ ▼ to choose between AWB, (Sunny), (Fluorescent), (Tungsten).
2. Press OK to select the white balance mode and to return to the Main Menu.

White Balance Option	Explanation
AWB (Auto White Balance)	The camera will automatically choose the white balance setting.
(*) Sunny	To be used outdoors with sufficient sunlight.
(☐) Fluorescent	To be used indoors with fluorescent light conditions.
(⚡) Tungsten	To be used indoors with tungsten light setting.

BRIGHTNESS

Use this option to change the LCD brightness.

1. In the BRIGHTNESS menu, press ◀ ▶ to toggle between both options.
2. Press OK to select your option and to return to the Main Menu.

SET-UP

Set-up Option	Selection Options	Explanation
Timeout	15, 30, 60, 90	Sets the automatic power off option.
	None	Deactivates the automatic power off option.
Driver	PC	WDM/TWAIN Driver. Use this mode when using ArcSoft or video conferencing software
	HDD	Mass Storage mode. Use this mode to view your images and video clips using Mass Storage.
TV	NTSC	Sets the mode the camera needs to adapt to your TV (in North America).
	PAL	Sets the mode camera needs to adapt with your TV (in Europe).
Language		English is the only language available
Default		Sets all camera settings to the factory default.

Using the SET-UP menu:

1. Use ▲ ▼ to toggle between the options.
2. When the option is highlighted, use ► to scroll between the options
3. Press the down arrow to select and scroll to the next option or press OK to return to the main menu.

TIMEOUT

To extend battery life, the camera will automatically power off after 30 seconds. Use this option to change the default setting.

DRIVER

Change the driver mode depending on what features you will use with your PC. Please refer to the Transferring Files to the Computer section on (P.) for further information.

TV

Change the TV Mode to adapt to your TV. Please refer to the TV Mode section on (P.) for further information.

LANGUAGE

English is the only option for this menu.

DEFAULT

To set your camera to default settings:

1. When the Default option is highlighted, press OK.
2. The camera will reset to the factory defaults and it will return to the Main Menu.

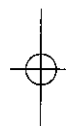
Mode	Default Setting
Flash	Auto ()
White Balance	AWB
Quality	Fine
Timeout	30
Driver	PC
TV	NTSC

2X Digital Zoom

The Concord Eye-Q Duo LCD can use 2X Digital Zoom to take pictures.

Setting the 2X Digital Zoom Mode:

1. In Camera and/or Video Clip mode, press ▲ to zoom into the subject.
2. Press ▼ to zoom out and to return to normal mode.



3. REVIEW MODE

In review mode, you can review your captured images and video clips through the LCD.

Using REVIEW mode:

1. Slide the mode switch towards ().
2. Press the ◀ or ▶ to scroll through each file.

File Type	Format
Image	JPG
Video Clip	AVI

Viewing Images (JPEG)

When viewing images, you may use 2X digital zoom to zoom into the stored image.

To use 2X Enlargement:

1. While viewing a JPEG file, press ▲ to zoom into the image that you are viewing.
2. Press ▼ to zoom out and to return to the image.

Viewing Video Clips (AVI)

To view video clips:

1. While viewing an AVI file, press the Shutter button to play the video clip.
2. Press the Shutter button to play the video and press the Shutter button to stop.

MAIN MENU

In this mode, you can review your images and video clips instantly through the LCD.

To use the MAIN MENU in Review Mode:

1. Press MENU to enter the MAIN MENU.
2. Use ▲ ▼ to toggle between the options.
3. When the option is highlighted press ► to enter its submenu.
4. If you would like to exit any menu, press ▼ until (exit) is highlighted to return to the previous menu.

DELETE

To delete a single file from the internal memory:

1. When Delete One is highlighted in the DELETE menu, press ►.
2. The next screen will read "Delete This File?" Press ▼ to select No or Yes.
3. If Yes is selected, the file will be deleted and the camera will return to the (Review) Main Menu.
4. If No is selected, no change will be made, and you will return to the (Review) Main Menu.

To delete ALL files from the internal memory:

1. When Delete All is highlighted in the DELETE menu, press ►.
2. The next screen will read "Delete All Files?" Press ▼ to select No or Yes.
3. If Yes is selected, ALL FILES will be deleted and the camera will return to the (Review) Main Menu.
4. If No is selected, no change will be made, and you will return to the (Review) Main Menu.

To Delete Files from the MMC:

1. Insert the MMC into the camera.
2. Follow the steps above.

Note: Once images have been deleted, you will not be able to recover them.

Note: If ERROR! is displayed on the LCD screen, this means that the internal memory of the MMC is corrupted. Please delete ALL files to continue.

THUMBNAIL

1. When Thumbnail is highlighted in the (Review) Main Menu, press OK to enter the Thumbnail mode.
2. Use (all arrows) to navigate between all of the stored files.
3. Press OK to view the selected file.

BRIGHTNESS

Please refer to the Brightness section on P.

SET-UP

Please refer to the Set-up Menu on P.

TRANSFER

(Optional)