

AQUAPIX

DX-3100

UnderWater
Digital imaging Gear

Thank you for choosing a Sea & Sea product, and welcome to the world of underwater digital imaging! Before you start using your AQUAPIX, please read this instruction manual carefully to learn how to use your AQUAPIX and get the best results from it. When you're finished, we recommend keeping this manual close at hand so you can refer to it for details when you need them.

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Maintaining O-Rings

O-rings make openings on the AQUAPIX watertight when closed. Maintaining o-rings is important. Failure to maintain them properly may cause them to fail and allow your AQUAPIX to flood, ruining the AQUAPIX. Please follow these instructions to maintain your o-rings.

⚠ Caution

Sea & Sea cameras use blue o-rings for some of their seals. These o-rings have special properties and require different maintenance techniques than standard o-rings. A blue o-ring seal contains silicon oil that gradually exudes from the o-ring over time to keep it lubricated. When it requires external lubrication, it must be lubricated with Sea & Sea pure silicon grease designed for blue o-rings. The grease comes in a tube with blue lettering and a blue cap.

Do not use silicon greases made by other manufacturers or Sea & Sea silicon grease not designed for blue o-rings. (Other Sea & Sea silicon grease is labeled in black text.) These greases cause blue o-rings to crack and age prematurely. Once this happens, the blue o-ring can't be restored and must be replaced with a new one.

If you use a degraded blue o-ring, the o-ring may stick and make openable parts unopenable. The o-ring's seal may also fail and flood the AQUAPIX when underwater.

⚠ Caution

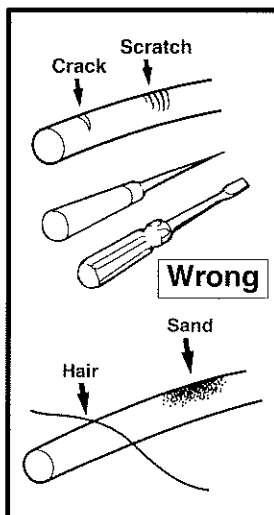
Follow these steps to maintain your o-rings.

- **Inspect each o-ring regularly for scratches or cracks.**

Remove the o-ring from the seal from the o-ring groove and look closely at it. Don't use a pointed metal object to remove the o-ring because it may damage the o-ring. Use the o-ring remover included with the AQUAPIX. If you find a scratch or crack in the o-ring, replace it immediately with a new o-ring.

- **Be careful not to get dust, sand or hair on the o-ring, the o-ring groove, or the contact surface before sealing it.**

If you find any, carefully remove it. Small particles on the o-ring can easily ruin the seal and flood the AQUAPIX underwater.



- **Periodically apply silicon grease to the o-ring to keep it supple and to reduce friction between the o-ring and the contact surface.**

Use your finger to apply a thin coat over the entire o-ring. Feel for cracks, scratches, or particles while applying. If you apply too much grease, dust or other particles may stick to the o-ring, ruin its seal, and flood the AQUAPIX underwater.

- **Do not twist the o-ring when you put it in the o-ring groove.**

If the o-ring is twisted, the twist may ruin its seal and flood the AQUAPIX underwater.

- **Don't store loose o-rings in direct sunlight or hot places, don't put them under a heavy object, and don't store them while twisted.**

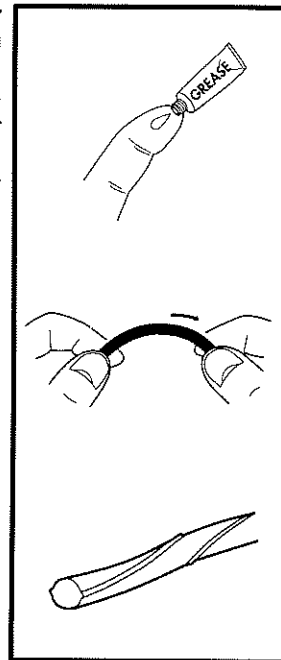
These conditions deform o-rings. Deformed o-rings used in the AQUAPIX will ruin the seal and flood the AQUAPIX underwater.

- **Replace o-rings at one year intervals.**

The life of an o-ring is typically one year, but may vary depending on maintenance quality, frequency of use, and quality of storage. We recommend replacing each o-ring on the AQUAPIX yearly.

- **Remove and inspect your o-rings each time before you use your AQUAPIX.**

Whenever you use your AQUAPIX underwater, take time beforehand to remove your o-rings and inspect them. Inspect the o-ring groove and the contact surface as well.



Precautions When Using the AQUAPIX

Following these precautions will help you get better results from your AQUAPIX:

- Capture a trial image to make sure the AQUAPIX is working correctly before you use the AQUAPIX to capture important images.
- Make periodic backups of important images to another medium such as a computer in case you accidentally delete the images from the AQUAPIX or the image data is damaged.
- Don't always expect images and video stored by another camera or computer on a SmartMedia Card to display correctly on the AQUAPIX. And don't always expect images and video stored by the AQUAPIX to display correctly on other devices.

A SmartMedia Card is a standardized digital storage medium that the AQUAPIX can use to store images and video. Other cameras and personal computers can use it for the same purpose. Because other devices may use different storage formats, the AQUAPIX may not be able to display images and video stored on a SmartMedia Card by other devices. Other devices may not be able to display images and video stored by the AQUAPIX.

If it's important to swap images and video between the AQUAPIX and another device using a SmartMedia Card, be sure to try it out in advance to make sure it works.

- Disregard a black, white, red, green, or blue point that may appear permanently on the LCD screen on the back of the AQUAPIX. It is not recorded in any images captured by the AQUAPIX.
- Don't press hard on the LCD screen. It may cause uneven display or break the screen.
- Disregard a ghost image on the LCD screen when using the AQUAPIX in cold conditions. The ghost image is caused by the cold and isn't recorded by the AQUAPIX.
- Don't use the AQUAPIX in environments with high intensity radio waves or radiation. The AQUAPIX may not work correctly.
- Don't use the AQUAPIX near a television set or radio. The television or radio may generate interference in the AQUAPIX.
- Be careful not to infringe a copyright when capturing an image with the AQUAPIX.

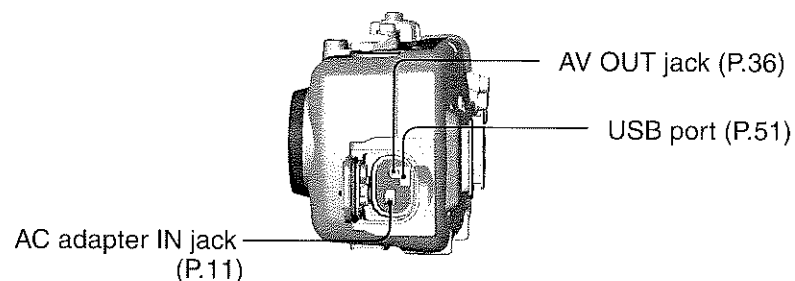
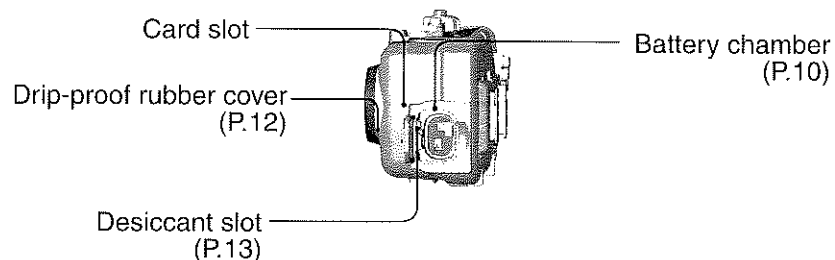
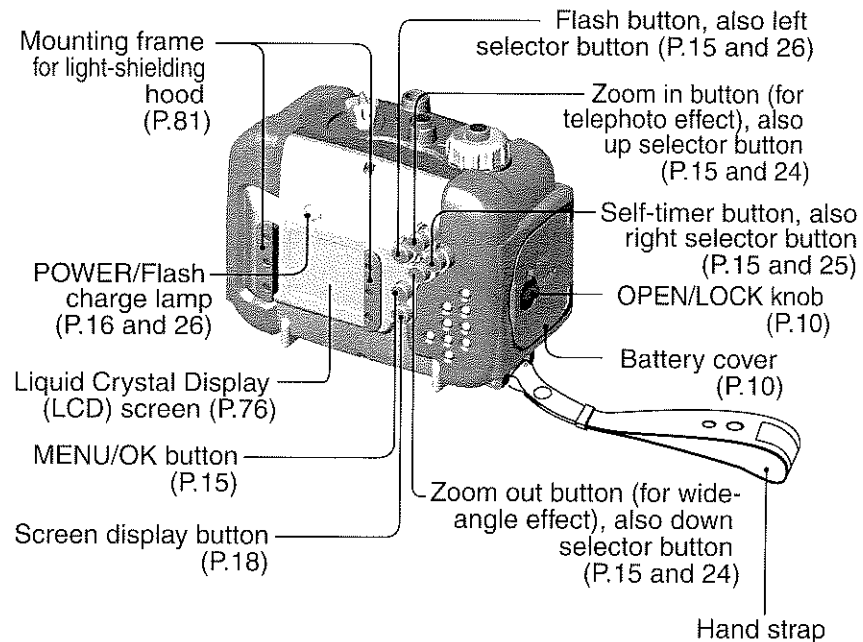
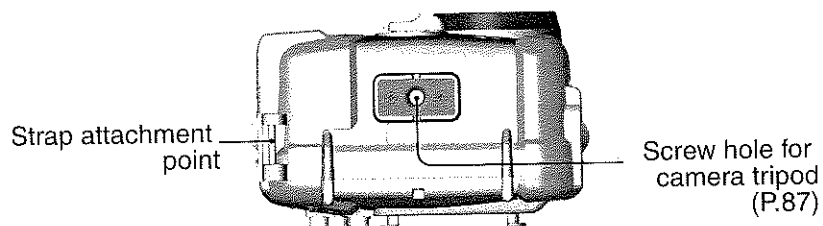
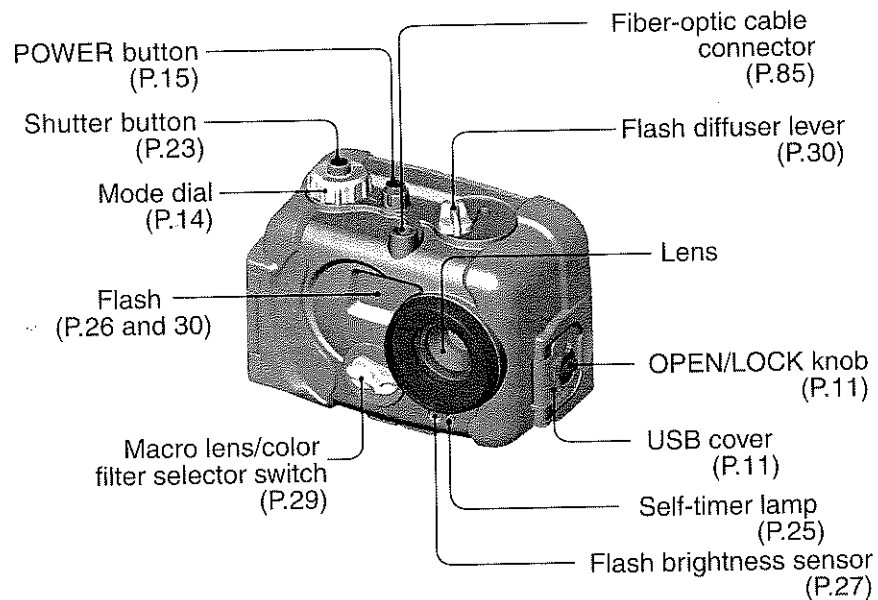
Some still or moving images are copyrighted. It may not be legal to capture or make a video of these images even if it's only for personal use. If you think an image may be copyrighted, be sure to get the permission of the copyright holder before you capture it.

- Please don't make an unauthorized copy of the copyrighted software included with the AQUAPIX either for business purposes or for distribution over computer networks unless you have permission from the copyright holders.
- The images and illustrations in this manual are composite images designed to explain AQUAPIX operation. Note that the AQUAPIX, illustrations, and menu screens shown in this manual may be slightly different from the real ones.

- SmartMedia is the trademark of Toshiba.
- Microsoft Windows is the trademark of Microsoft Corporation in the United States.
- Macintosh, Mac OS and Quick Time are the registered trademarks or trademarks of Apple Computer, Inc.
- The other names, company names and camera names described in this manual are the registered trademarks or trademarks of the corresponding companies.

Part Names

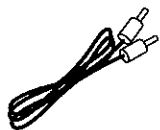
※Page numbers are in parentheses.



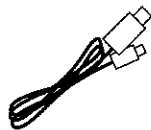
Checking Accessories

Before using the AQUAPIX, please make sure that all these accessories are included in the package:

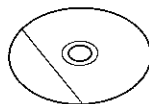
● AV cable



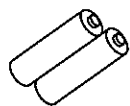
● USB cable



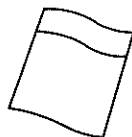
● CD-ROM



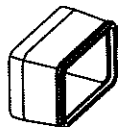
● Size AA batteries (x2)



● Desiccant packages (x5)



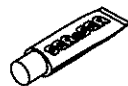
● Light-shielding hood



● O-rings (x2)



● Silicon grease



● O-ring remover



○ The SmartMedia Card is an optional accessory used to record images with the AQUAPIX. The AQUAPIX has its own built-in memory for recording images. The built-in memory has a capacity of 16 MB.

Viewing Battery Conditions

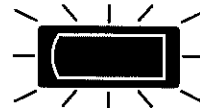
The LCD screen displays battery conditions:



: The batteries are full.



: The batteries are low.



: The batteries need replacement.

- The remaining battery life is indicated in white as shown in the illustration above. It takes about a minute to display the correct remaining battery life after the LCD screen turns on. In some conditions and environments the battery indicator may not accurately display remaining battery life.
- Battery conditions are not displayed when power is supplied using an AC adapter (available as an optional accessory).

Inserting and Removing Batteries

【To Insert Batteries】

1. Make sure the power is off.
2. Rotate the OPEN/LOCK knob to open the battery cover. (Figure 1)
3. Insert each of the batteries in the direction indicated by the diagram inside the battery well. (Figure 2)
4. Make sure the o-ring is free of debris.
5. Firmly close the battery cover and lock it. (Figure 3)

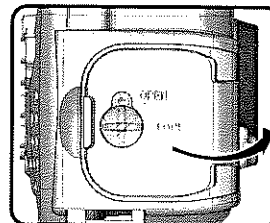
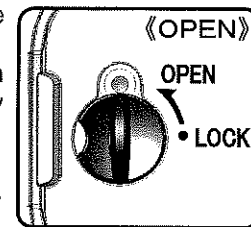


Figure 1

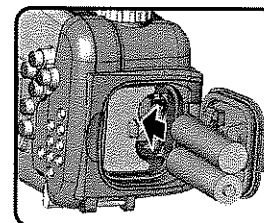


Figure 2

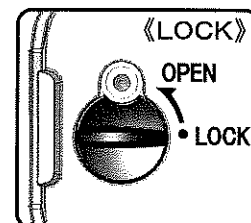


Figure 3

【To Remove Batteries】

1. Make sure the power is off.
2. Rotate the OPEN/LOCK knob to open the battery cover. (Figure 1)
3. Remove the batteries.
4. Make sure the o-ring is free of debris.
5. Firmly close the battery cover and lock it.

◎ Remove batteries when you don't use the AQUAPIX for a long time—it ensures that old batteries won't leak and ruin the AQUAPIX. Don't open the battery cover while accessing the data card because data stored on the card may be damaged by the power disruption. Be careful not to get the o-ring caught in the battery cover when you close the cover.

Using the AQUAPIX with an AC Adapter (available as an optional accessory)

If you use an AC adapter to power the AQUAPIX, you'll conserve battery power.

1. Rotate the OPEN/LOCK knob to open the USB cover. (Figure 4)
2. Insert the plug of the AC adapter into the AC Adapter IN jack. (Figure 5)
3. Insert the power plug into an outlet. (Figure 6)

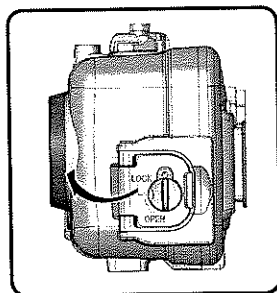


Figure 4

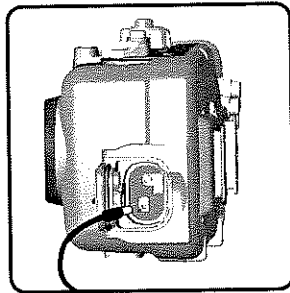


Figure 5

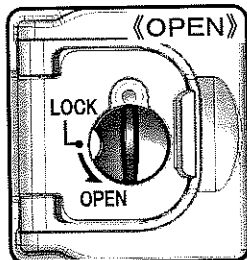
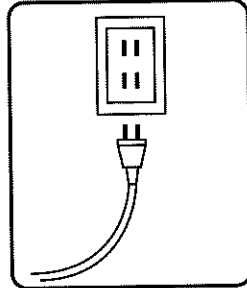


Figure 6



◎ The AQUAPIX may warm up while using the AC adapter. This is normal. Remove the AC adapter if you don't need it. You can use the AC adapter in other countries with different AC voltages. Note that the AC adapter does not charge the batteries—it's an independent power supply only.

Inserting and Removing a Data Card

【To Insert an Optional Data Card】

1. Make sure the power is off.
2. Rotate the OPEN/LOCK knob to open the battery cover. (Figure 1)
3. Make sure the card is pointing in the right direction before inserting it.
4. Caution: Don't touch the connection terminals on the back of the card. It may lead to terminal corrosion.
5. Lift the drip-proof rubber cover and fully insert the card into the slot (Figure 7).
6. Make sure the card is inserted all the way into the slot. If it isn't, it won't be connected properly so the AQUAPIX can't record images to or play images from the card.
7. Firmly close the drip-proof rubber cover, check the o-ring for debris, then close the battery cover and lock it. (Figure 3).

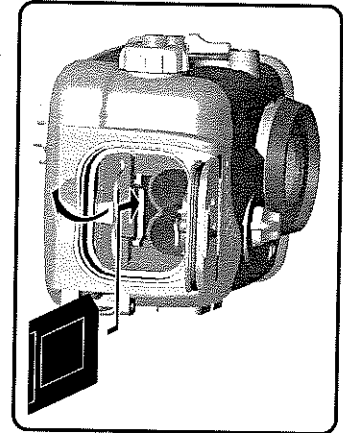


Figure 7

【To Remove a Data Card】

1. Make sure the power is off.
2. Rotate the OPEN/LOCK knob to open the battery cover. (Figure 1)
3. Open the drip-proof rubber cover and pull the card straight from the slot. (Figure 8)
4. Firmly close the drip-proof rubber cover, check the o-ring for debris, then close the battery cover and lock it. (Figure 3)

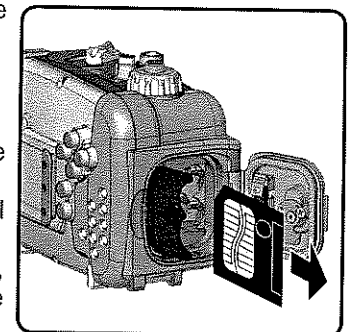


Figure 8

◎ Before the AQUAPIX can use the data card, its active memory must be set to the card as described in page 22.

Inserting Desiccant (Drying Agent)

The AQUAPIX comes with packs of desiccant. These packs of silica gel (desiccant) prevent the formation of condensation inside the AQUAPIX. Condensation may result from humid air sealed inside the AQUAPIX in combination with submersion in water colder than the air temperature. If you notice condensation, insert a desiccant pack before the next time you use the AQUAPIX.

1. Make sure the power is off.
2. Rotate the OPEN/LOCK knob to open the battery cover. (Figure 1)
3. Lift the drip-proof rubber cover and push the desiccant pack all the way into the area between the data card slot and the battery well. (Figure 9)
 - ⊙ Fold down the edge of the pack to insert it. (Figure 10)
Make sure to insert the desiccant pack all the way in so its edge doesn't protrude past the drip-proof rubber cover. If you insert it without folding, the edge of the pack may protrude past the battery cover and keep the cover from sealing, which may lead to the AQUAPIX flooding.
4. Firmly close the drip-proof rubber cover, check the o-ring for debris, then close the battery cover and lock it. (Figure 3)

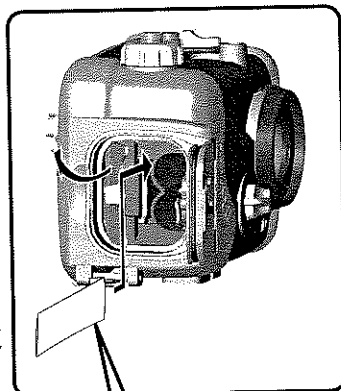


Figure 9

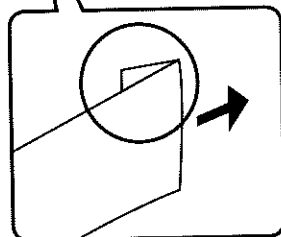
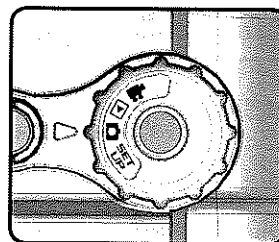






Figure 10

⊙As a desiccant pack soaks up moisture, it reduces its ability to prevent condensation. The life of silica gel in a pack depends on how often you use the AQUAPIX and how humid conditions are when you open the AQUAPIX. As silica gel absorbs moisture and loses its desiccant ability, it becomes stiff. We recommend that you replace desiccant packs before they get too stiff to ensure that they work when you need them.








Mode Dial

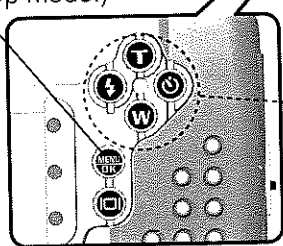
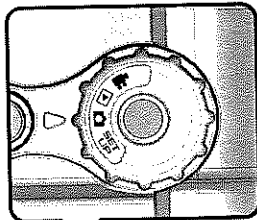
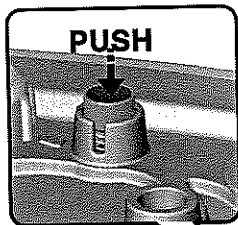






| Mode Icon | Mode Name | Description |
|---|-----------|--|
|  | Set Up | This mode changes and confirms the AQUAPIX settings. |
|  | Photo | This mode captures still images. |
|  | Playback | This mode plays back images or video from memory. |
|  | Video | This mode captures moving video. |

Using the Menu

Each mode of the AQUAPIX offers a different set of menus that you can use to set the AQUAPIX's operation. To use them:


1. Press the POWER  button to turn on the AQUAPIX.
 2. Rotate the mode dial to put the AQUAPIX in either photo or playback mode.
 3. Press the MENU/OK  button. (Not necessary in Set Up mode.)
 4. Press the self-timer  flash  buttons to select a menu item.
 5. Press the zoom-in  and zoom-out  buttons to select values for the item.
 6. Press the MENU/OK  button.
- ※ The value is set. In some cases, the menu screen disappears. If not, you can exit the menu screen (except in Set Up mode) by selecting a value of EXIT in a menu.




The cluster of four , , , and  buttons on the back of the AQUAPIX select menu items. The self-timer and flash buttons move selection left and right. The zoom in and zoom out buttons move selection up and down.

Turning the Power On and Off

【Turning the Power On】

- Press the POWER  button to turn on the power. (Figure 11)
- ※ The POWER lamp lights up in green to indicate that the AQUAPIX is turned on.

【Turning Off the Power】

- Press the POWER  button a second time to turn off the power. (Figure 11)

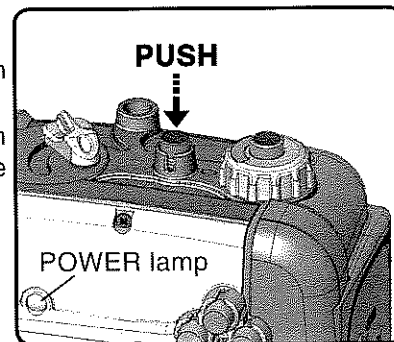




Figure 11

Auto Power Off Function

If you leave the AQUAPIX on under battery power for a period of time and the AQUAPIX doesn't detect any user activities (capturing an image, playing a video, or setting up for example), the AQUAPIX automatically turns itself off to cut battery drain. There are some instances where auto power off won't occur:

- While you are playing a video
- While you are playing a slide show
- When the AQUAPIX detects a cable plugged into its USB port or its AV OUT jack
- Any time when the AQUAPIX is powered by the AC adapter

※ You can set the auto-power-off period to one, three, or five minutes or turn auto power off completely so the AQUAPIX won't turn itself off:

1. Rotate the mode dial to put the AQUAPIX in the SET UP mode . (Figure 12)
2. Use the self-timer button to select the AUTO OFF menu. (Figure 13)
3. Use the zoom-in and zoom-out buttons to select an AUTO OFF setting. OFF turns auto power off; 1 MIN sets the interval to one minute; 3 MIN sets the interval to three minutes; 5 MIN sets the interval to five minutes.
4. Press the MENU/OK  button.

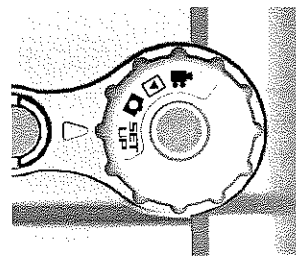


Figure 12

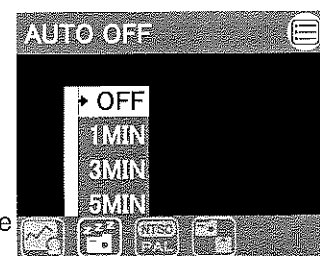






Figure 13

Setting the Date and Time

The AQUAPIX's internal clock keeps the current date and time. For accurate time, you must set the date and time when you first use the AQUAPIX, whenever you change time zones on trips, or whenever daylight savings time starts or ends.

The AQUAPIX can display the date in year/month/date (Y/M/D) format, day/month/year (D/M/Y), or month/day/year (M/D/Y) formats. Its set in Y/M/D format by default. The AQUAPIX displays time in a 24-hour clock format. The date may be set to any day from 2003/01/01 to 2099/12/31. To set time and date:

1. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
2. Press the MENU/OK  button.
3. Select the CLOCK menu, then choose the SET value.
4. Press the MENU/OK  button. (Figure 15)
5. Press the flash and self-timer buttons to move through the date and time fields; press the zoom-in and zoom-out buttons to set a field value up or down. (Figure 16)
6. Date format can be set to Y/M/D, M/D/Y and D/M/Y. (Figure 17)
7. Press the MENU/OK  button again to complete the setting.

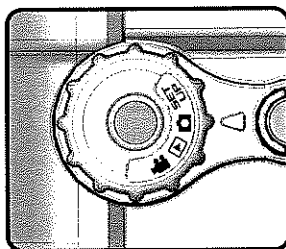


Figure 14

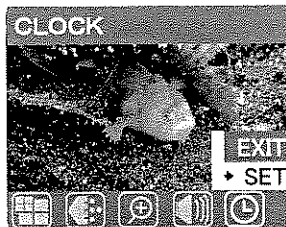


Figure 15

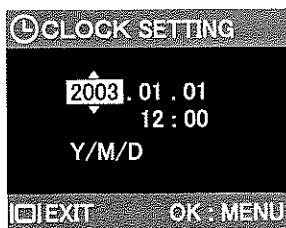


Figure 16

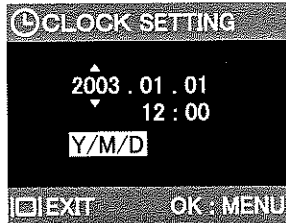



Figure 17

Changing the Display on the LCD Screen

You can set the amount of information you see on the LCD screen in all modes except the Set-Up mode. Each time you press the screen display  button, the display on the LCD screen changes as follows. (Figure 18)

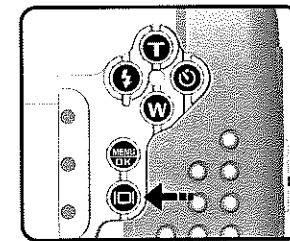
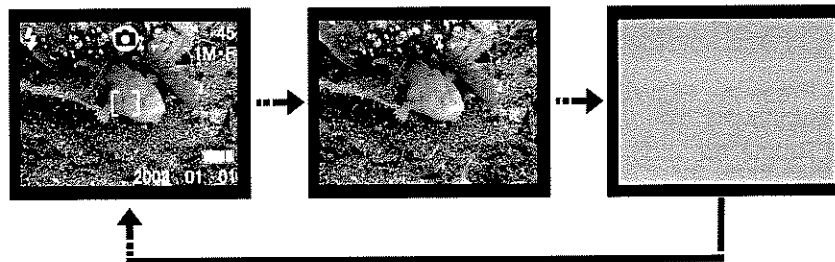
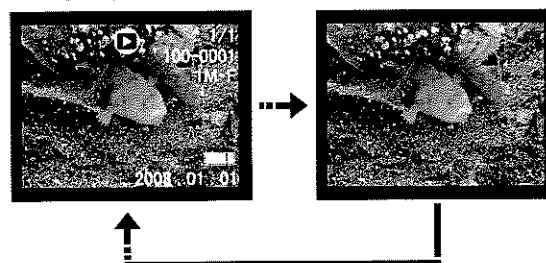


Figure 18

[Capturing images or video]







[Playing images or video]



※ In Photo and Video modes, the display cycles through full data display, no data display (for clear image visibility), and blank screen (to conserve battery power). In Playback mode, the display cycles between full data display and no data display. When the screen displays no data, it shows the battery indicator for three seconds, then removes it.

Capturing a Still Image

Selecting an Image Size

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
 2. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
 3. Press the MENU/OK  button.
 4. Use the selector buttons to select the IMAGE SIZE menu and either the 3M, 2M, 1M or VGA value there. (Figure 19)
 5. Press the MENU/OK  button.
- ※ The screen returns to the normal display.

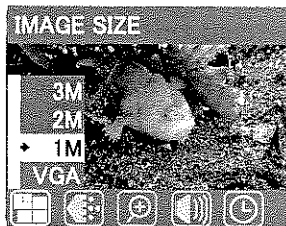






Figure 19

Selecting a Quality Mode

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
 2. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
 3. Press the MENU/OK  button.
 4. Use the selector buttons to select the QUALITY menu and either the FINE or STD value. (Figure 20)
 5. Press the MENU/OK  button.
- ※ The screen returns to the normal display
- ※ Once you've set image size and quality, the selected size (3M, 2M, 1M, or VGA) and quality (F for fine or N for standard) appears on the screen.

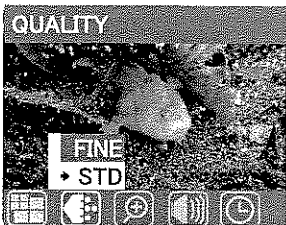
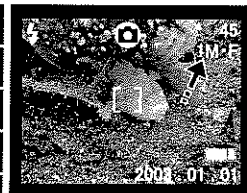


Figure 20

Image Size and Quality

You can set the size (number of pixels) and quality (compression rate) of the images you capture to balance image quality with number of images you can capture. The bigger the image and the higher its quality, the sharper the image—but the more memory it takes to store. Setting bigger images with higher quality reduces the number of images you can capture. Setting smaller images with lower quality increases the number of images you can record. Choose the size and quality of image that best suits your available memory.

| Image Size | | Application |
|------------|-------------|---|
| 3M | 2048 × 1536 | To print an image on letter-sized paper |
| 2M | 1600 × 1200 | To print an image on smaller paper |
| 1M | 1280 × 960 | To print an image on a postcard |
| VGA | 640 × 480 | To create an image for a home page |

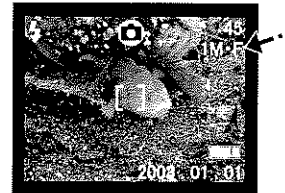


- ◎ Capturing video is fixed at 320 x 240 pixels resolution and a single quality so you don't need to set video size and quality.
- ◎ You can choose from four image sizes. The following table lists the sizes (M stands for megapixels) along with a suitable application for each size. If you want a clearer image, select a larger size.

You can choose from two different qualities shown in the following table.

| Quality of Image | |
|----------------------------|--|
| FINE (low compression) | Highest quality, takes more memory for storage |
| STD (standard compression) | Standard quality, allows more images to be stored in memory. |

- ※ FINE: fine
- ※ STD: standard



Memory Capacity




The memory available in the AQUAPIX for storing images and video is 16 megabytes (MB). You can increase storage capacity by adding an optional SmartMedia Memory Card.

The table below shows the approximate image and video recording capacity of different sized cards. The top row shows the size of the card in megabytes; the left row shows the size of the still image in both fine (F) and standard (N) quality. The table shows capacity as the number of possible recorded still images except for the Video row, which lists the possible length of video recording time.

| | | 8MB | 16MB | 32MB | 64MB | 128MB |
|-------------------------------|---|------|------|------|-------|-------|
| 3 megapixels (2048 x 1536) | F | 10 | 21 | 43 | 88 | 177 |
| | N | 21 | 44 | 91 | 183 | 369 |
| 2 megapixels (1600 x 1200) | F | 13 | 27 | 55 | 111 | 223 |
| | N | 29 | 61 | 125 | 253 | 509 |
| 1 megapixel (1280 x 960) | F | 22 | 46 | 95 | 192 | 385 |
| | N | 46 | 96 | 196 | 396 | 795 |
| VGA (640 x 480) | F | 82 | 171 | 349 | 704 | 1414 |
| | N | 148 | 308 | 628 | 1267 | 2546 |
| Video (min:sec) | | 1:17 | 2:46 | 5:44 | 11:39 | 23:30 |

Deciding Where to Store Images and Video

If you have an optional SmartMedia Card installed in the AQUAPIX, you can specify where to store captured images or video: in the AQUAPIX's built-in memory or on the SmartMedia Card.

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in the SET UP mode . (Figure 12)
3. Use the selector buttons to select the STORAGE menu and either the INT. or CARD value there. (Figure 21)
4. Press MENU/OK  button.

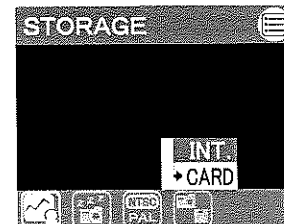


Figure 21

※The selected medium is indicated by an arrow.

- When you put the AQUAPIX in Photo mode or Video mode, the selected medium is displayed in the right corner of the LCD screen. (Figure 22)

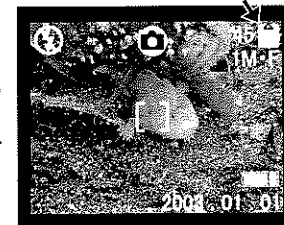



Figure 22

No indication: Images are stored on the built-in memory (INT.).

: Images are stored on the SmartMedia Card (CARD).

- If you select CARD when there's no SmartMedia Card in the AQUAPIX, NO CARD appears on the LCD screen and flashes on and off. (Figure 23) Insert a SmartMedia Card into the AQUAPIX (after power off) and set the medium again.

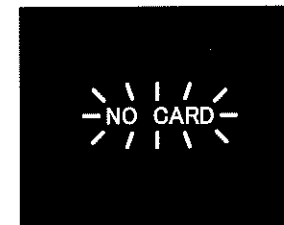




Figure 23

○ The default value is INT., which selects the built-in memory with 16 MB capacity.

Capturing an Image

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
3. Put your subject in the center of the frame and press the shutter button. (Figure 24)
4. When you press the shutter button, hold the AQUAPIX as still as possible until the image appears on the LCD screen. If you move the AQUAPIX, the image may be distorted.
The captured image is displayed on the LCD screen for about 3 seconds. (Figure 25) RECORDING then appears on the screen to indicate that the image is being stored to memory. (Figure 26) The screen goes blank for a second or two after the RECORDING message. This is normal operation. Don't turn off the power.
5. You can capture another image as soon as RECORDING disappears from the screen.

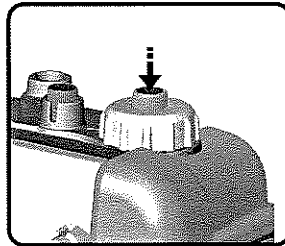
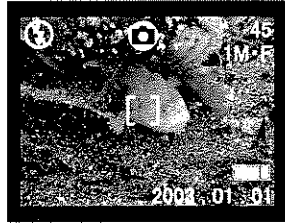


Figure 24

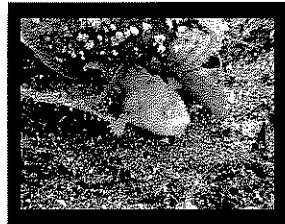



Figure 25







Figure 26

- The amount of time it takes to store an image depends on the size and quality of the image.
- The brightness of the image on the LCD screen may differ from the brightness of the subject.
- If the auto power-off function is activated (P.16), the AQUAPIX may turn off in between image captures if you don't work with the AQUAPIX during the period set for auto power off. To turn the AQUAPIX back on, press the POWER  button again.

Using Digital Zoom

When digital zoom is turned on, the image captured by the AQUAPIX can be magnified up to three times.

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
3. Press the MENU/OK  button.
4. Use the selector buttons to select the DIGITAL ZOOM menu and to select the ON value. (Figure 27)
5. Press the MENU/OK  button.
6. The screen returns to its normal display.
7. Zoom in on an image by pressing the zoom in (T) button; zoom out by pressing the zoom out (W) button. (Figure 28)

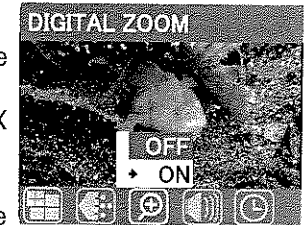


Figure 27

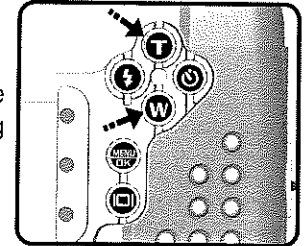
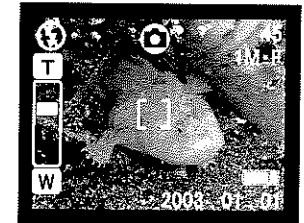
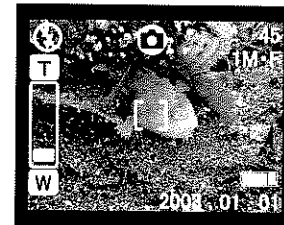


Figure 28



- When digital zoom is turned on, a zoom indicator appears on the LCD screen. To turn digital zoom off, follow the instructions above but set the DIGITAL ZOOM menu to the OFF value.

Using the Self-Timer

Using the self-timer delays the shutter for 10 seconds after pressing the release button. You can use this delay to put yourself in the image.

1. Rotate the mode dial to put the AQUAPIX in the Photo mode . (Figure 14)
2. Press the self-timer button. (Figure 29)
 - The self-timer icon appears on the LCD screen.
3. Press the shutter release button.
 - The self-timer symbol on the screen and the self-timer lamp will flash until the shutter is released 10 seconds later. (Figure 30)

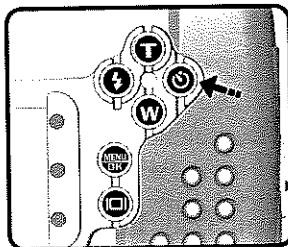


Figure 29

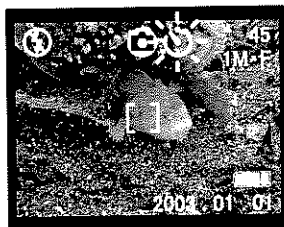
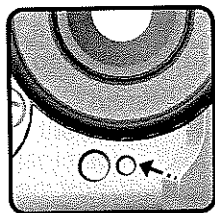


Figure 30

【Canceling the Self-Timer】

You can cancel the self-timer at any time by pressing the self-timer button.

- The self-timer works in Video mode as well as Photo mode. The self-timer works best when you have the AQUAPIX mounted on a tripod to hold it in place.

Selecting the Onboard Flash Mode

Use the AQUAPIX's onboard flash to capture an image in dark conditions.

1. Rotate the mode dial to put the AQUAPIX in Photo mode . (Figure 14)
2. Press the flash button to select a flash mode . (Figure 31)

Each time you press the flash button, the display changes as follows. (Note: While the flash is charging, the POWER/flash charge lamp blinks and nothing displays in the LCD screen. After the flash is fully charged, the lamp goes off and the screen displays.)

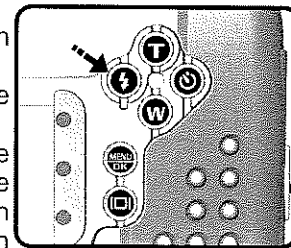
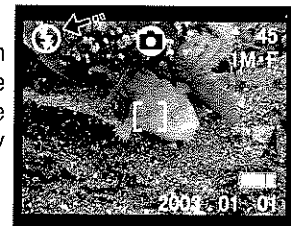


Figure 31

Standard flash

The flash fires every time you capture an image. Use this mode when you capture an image with strong light in the background or if the subject is lit by fluorescent lamps.



No flash symbol: Auto

The AQUAPIX determines when to fire the flash. It fires the flash in low-light situations but does not when there's enough ambient light present for a good image.

Red-eye reduction

This mode minimize flash reflection in a subject's eyes by rapidly flashing just before image capture. The pre-flash reduces the size of the subject's pupils, which reduces flash reflection.



No flash

The flash doesn't fire at all, even in dark conditions. Use this mode in places where flash is prohibited.

- The flash is not available in the Video mode.

3. Capturing an image using the flash

- Select a flash mode that allows flash, then follow the steps described on Page 23 to capture an image.

- ⦿ Don't cover the flash brightness sensor with your finger. If covered, the sensor can't detect lighting conditions. (Figure 32)
- ⦿ The amount of flash may not always be sufficient for some lighting situations. If so, you can add an external strobe. (Page 85)
- ⦿ The effectiveness of red-eye flash reduction  differs from subject to subject. The reduction isn't as effective when the subject is too far from the AQUAPIX or when the subject doesn't look at the pre-flash.
- ⦿ If you press the flash  button while the POWER/flash charge lamp is blinking, you cancel the selected flash mode. If you use an external strobe underwater, don't select the red-eye reduction.
- ⦿ We recommend using standard flash mode when capturing images underwater where the light is usually dim.

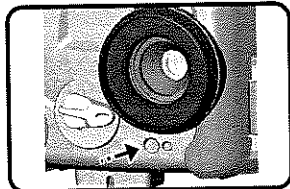




Figure 32

Setting Date Imprinting

Date imprinting adds the date to the bottom right corner of each image captured while data imprinting is turned on. To turn it on:

1. Rotate the mode dial to put the AQUAPIX in SET UP mode . (Figure 12)
2. Use the selection buttons to select the DATE IMPRINT menu and to select the ON value. (Figure 33)
 - ⦿ If ON is selected, ON is displayed in yellow.
3. Press MENU/OK  button.

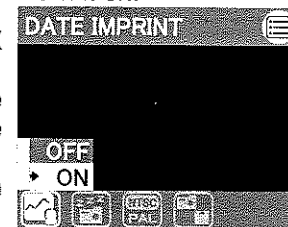
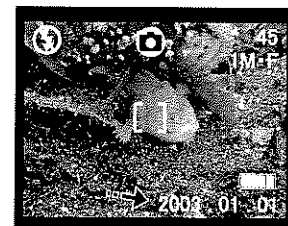


Figure 33



- ⦿ When a captured image has a date imprinted, the imprint is embedded in the image and isn't erased when date imprinting is turned off.

Using the Macro Lens and the Color-Correction Filter

The AQUAPIX comes with a built-in macro lens and color-correction filter. You can switch them on and off as needed to match underwater image-capturing conditions.

[Color-Correction Filter]

The color-correction filter reduces blue hues underwater to create warmer, more natural colors. To use it:

- Set Macro lens/color filter selector switch to FILTER. (Figure 34)

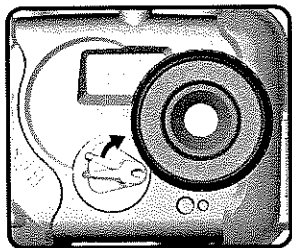


Figure 34

[Macro Lens]

The macro lens lets you put the AQUAPIX as close as 4 inches (10cm) to small subjects to reveal fine details.

- Set Macro lens/color filter selector switch to MACRO LENS. (Figure 35)

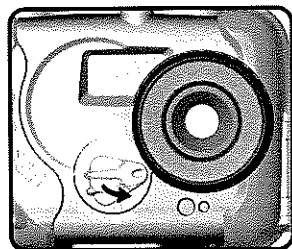


Figure 35

- Make sure the filter or the lens is fully in place when you use it. If either is only partially in place, it may partially block the image. To check the position of the filter or macro lens, look at the AQUAPIX lens.

Using the Flash Diffuser

The flash diffuser covers the onboard flash to disperse and soften its light. Use it to prevent backscatter—small particles lit up in the water that detract from your subject. To use it:

- Turn the Flash Diffuser lever in the direction of the arrow. Turn it the opposite direction to turn the diffuser off. (Figure 36)

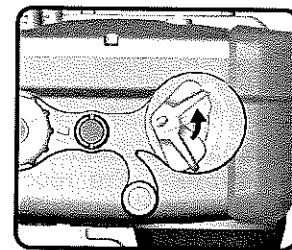
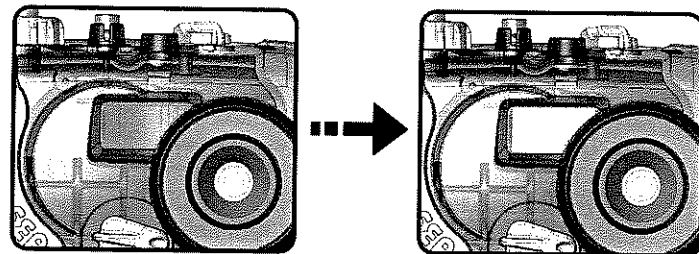




Figure 36



Recording a Video

The AQUAPIX records video as well as still images. If you record video to the built-in memory, its 16-MB capacity can store up to 163 seconds (a little less than three minutes) of video. To record video:

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in Video mode . (Figure 37)
3. Put your subject in the center of the frame and press the shutter button to start recording video. (Figure 24)

※ While you're recording video, the LCD screen displays the running time of the captured video and the remaining time available in memory.

4. Press the shutter button again to stop recording video.

◎ Before recording video, you can zoom in or out for telephoto or wide-angle effects by using the zoom buttons on the AQUAPIX. You can't zoom in or out while recording.

◎ The remaining time displayed in the LCD screen is just an estimate. Actual remaining time may vary. If the built-in memory or the SmartMedia Card is filled to capacity while recording video, recording automatically stops. Some types of SmartMedia cards may require video recording to stop before it fills the capacity of the card.

◎ The resolution of video recorded by the AQUAPIX is 320 x 240 pixels.

◎ If you use the SmartMedia card to play back your recorded video on another type of device, differences in playback technology may degrade the quality of the video or even make it unplayable in the other device.

◎ Video mode does not support date imprinting or flash. Exposure and white balance are set to a fixed value.

While recording video, do not open the battery cover, rotate the mode dial, or turn off the power.

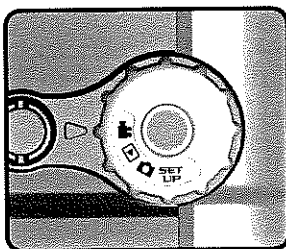
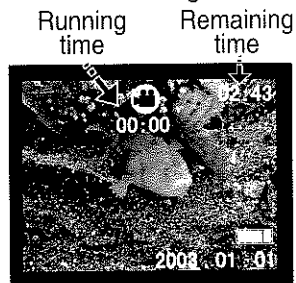




Figure 37



Viewing Still Images

Viewing Individual Images

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in the Playback mode . (Figure 38)
3. The last image you captured appears in the screen.
4. After the image appears, use the left and right selector buttons (flash and self-timer) to step backward or forward through images stored in memory.

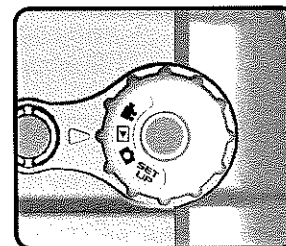
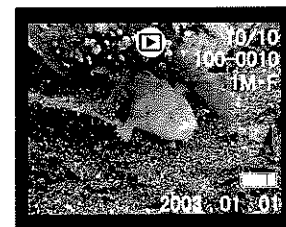


Figure 38

◎ Images are displayed in the order in which they were captured. If you step forward past the latest image, you'll see the earliest image. If you step backward past the earliest image, you'll see the latest image.




Stepping Quickly Through Images

To step quickly through recorded images, hold down the left or right selector button.

◎ Images recorded in the AQUAPIX are recorded using the JPEG format. If you try to view images recorded on another camera using the AQUAPIX, difference in technology may degrade the quality of the images or even make them unviewable.

Using Multi-Image Playback

Multi-image playback allows you to view nine images at once on the LCD screen. To use it:

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. When the LCD screen displays an image, press the down selector (W) button to view nine thumbnail images at once. (Figure 39)
3. Press the left or right selector button to select an image. (Figure 40)
4. Press the up (T) selector button to view the selected image at normal size.

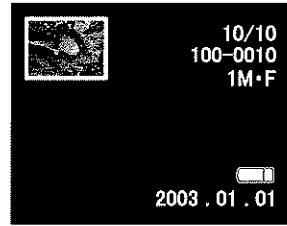


Figure 39

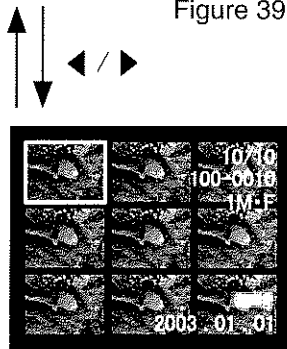




Figure 40

※ Figures 39 and 40 show examples where 10 images are recorded in the AQUAPIX's memory.

Using Zoom Playback

Using zoom playback lets you magnify an image to up to twice its original size.

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Select an image you want to enlarge. (Figure 41)
3. Press the up selector (T) button to enlarge the image. (Figure 42)
 - You can increase enlargement by pressing the button up to eight times.
4. Press the down selector (W) button to reduce the image.
5. Press the left or right selector button while the image is enlarged to move the image from left to right or right to left.
6. Press the DISPLAY  button to exit zoom playback.

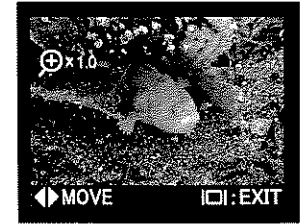


Figure 41

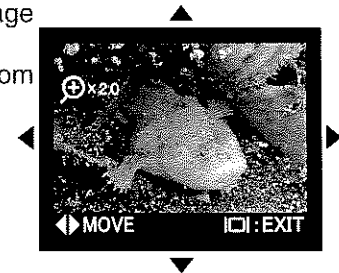





Figure 42

Note:

This feature might not be available if viewing images captured on other digital cameras.

Viewing a Slide Show

You can use the AQUAPIX to automatically view your images in the order they were captured.


1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Press the MENU/OK  button.
3. Use the selector buttons to select the SLIDE SHOW menu and the ON value there. (Figure 43)
4. Press the MENU/OK  button.

※The menu screen disappears and the slide show begins starting with the image last displayed on the screen.





Figure 43

[Stopping a Slide Show]

- Press MENU/OK  button while viewing a slide show. The last image displayed remains on the LCD screen.

Connecting the AQUAPIX to a TV

You can connect the AQUAPIX to a TV through the AV cable. Once connected, you can view images and video stored in the AQUAPIX on the TV. To connect:

1. Make sure that both the AQUAPIX and TV are turned off.
2. Connect the AV cable to the AV OUT jack of the AQUAPIX. (Figure 44)
3. Connect the AV cable to the video input jack of the TV. (Figure 45)
4. Turn the TV on and set it to display external input.
5. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
6. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)

- The AQUAPIX's current image is displayed on the TV screen. You can view images and video on the TV using the AQUAPIX's controls as described earlier.

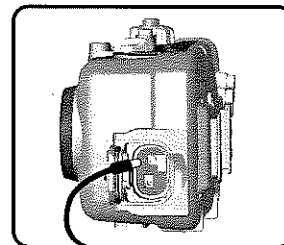


Figure 44

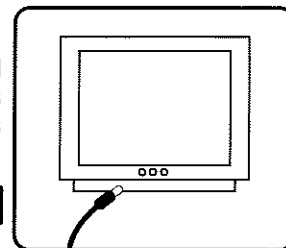



Figure 45

Viewing Images on TV in International Settings

Different countries use different standards to display TV images. To set your AQUAPIX to display properly on TVs in different countries:

1. Rotate the mode dial to put the AQUAPIX in the SET UP mode . (Figure 12)
2. Use the selection buttons to select the VIDEO OUT menu, then select one of the following values (Figure 46):
 - NTSC: The video output signal is set in NTSC mode (for the United States, Japan, and other countries).
 - PAL: The video output signal is set in PAL mode (for Europe and other locations).

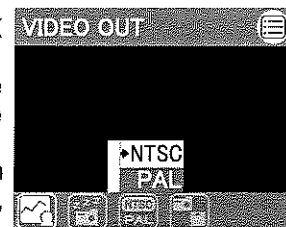




Figure 46

Ⓞ Do not use the any AV cable other than the cable that comes with the AQUAPIX. When you connect the AQUAPIX to your TV through the AV cable, always turn the AQUAPIX and TV off. While connected, we recommend that you use the optional AC adapter to provide power. See page 11 for how to connect an AC adapter to the AQUAPIX.

Playing a Video

You can play a recorded video on the LCD screen.

1. Press the POWER  button to turn on the AQUAPIX. (Figure 11)
2. Rotate the mode dial to put the AQUAPIX in the Playback mode . (Figure 38)

The last image or video you recorded is displayed.

3. Use the left and right selector buttons to select a video.

A video playback bar appears in the lower left corner when a video appears.

4. Press the shutter button to start playing the video. (Figure 47)

- If you press the Shutter button while playing, the video pauses. (Figure 48) If you press it again, the video restarts.



Figure 47




Figure 48



Deleting an Image or Video

Deleting a captured image or recorded video from memory frees up the memory for more images and video. To delete an image or video file from memory:

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Use the left and right selector buttons to choose an image or video you want to delete.

3. Press the MENU/OK  button.

4. Use the selector buttons to select the DELETE menu and then choose either ONE or ALL. (Figure 49)

- ONE: Delete the current file.

- ALL : Delete all files in memory (either built-in memory or the data card, whichever is selected.)


5. Press the MENU/OK  button.

- The selected image or video appears on the LCD screen with a DELETE? prompt. (If you chose ALL, a DELETE ALL? prompt appears instead.)

6. Press the right selector button (SET) to delete the image. (Figure 50)

- The next image or video appears on the screen along with the DELETE? prompt. (If you chose ALL, NO FILE appears to tell you that memory has been erased.)

7. Select another image or video to delete if you wish and use the same deletion steps.

8. To cancel deletion at any time, press the left selector button, then select EXIT and press the MENU/OK  button. (Figure 51)

- ※ The menu screen disappears.



Figure 49



Figure 50



Figure 51


◎ You can play a video on a TV the same way you view images on a TV. See page 36 for details.

Note that if you play back video recorded with another camera on the AQUAPIX, differences in technology might result in low quality or inability to play back the video.

◎ If an image or video is protected (page 39), you can't delete it. Protected images and video appear on the LCD screen with a protection icon (Ⓜ).

Protecting an Image or Video

Protecting an image or video file keeps valuable files from being accidentally erased.

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Select the image or video you would like to protect using the selector buttons.
3. Press the MENU/OK button.
4. Use the selector buttons to select the PROTECT menu then select a ONE or ALL value. (Figure 52)
 - ONE: protect one selected image file.
 - ALL: protect all image files.
5. Press the MENU/OK button.
 - The image or video you want to protect is displayed with a PROTECT? prompt. (If you chose ALL, a PROTECT ALL? prompt appears.)
6. Press the right selector button (SET) to protect the image. (Figure 53)
 - ※ The protect icon () appears on the protected image(s) and video(s). (Figure 54)
7. Select another image or video to protect if you wish and use the same protection steps.
8. To exit protection, press the left selector button, then select EXIT and press the MENU/OK button. (Figure 55)
 - ※ The menu screen disappears.

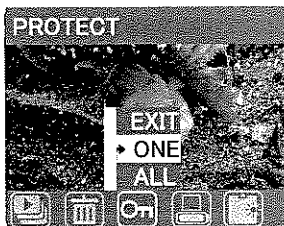


Figure 52

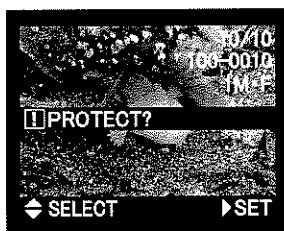


Figure 53

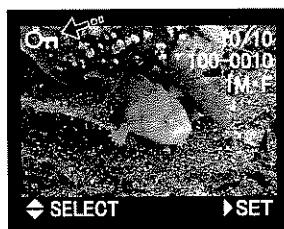



Figure 54



Figure 55

○ Protected images are not protected from erasure when internal memory or a SmartMedia card is formatted. (Page 43)
Protected images are also not protected from erasure if they appear on another digital camera.

Canceling Image or Video Protection

1. Follow the first five steps used to protect an image or video on page 39 to select the files you want to unprotect.
 - The image or video to be unprotected and an UNPROTECT? prompt appears on the LCD screen.
2. Press the right selector button (SET) to unprotect the image. (Figure 56)
 - ※ The protect icon () disappears from the upper left corner of the screen. (Figure 57)
3. If you have more files to unprotect, use the selector buttons to select each one and repeat the last step to delete it.
4. To go back to the PROTECT menu, press the left selector button.
5. Select EXIT and press MENU/OK button. (Figure 55)
 - ※ The menu screen disappears.

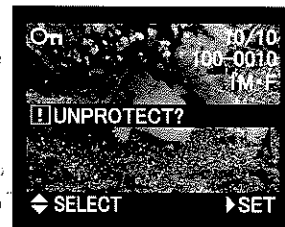







Figure 56



Figure 57

DPOF Function

DPOF (Digital Print Order Format) enables you to specify the images you would like to print from the images stored in a media card (SmartMedia for the DX-3100 AQUAPIX). You can print only specified images by inserting the media card into a DPOF-compatible printer. When you have the images in the media card printed at a service lab, it is not necessary to specify images as such information can be stored in the media card.

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Use the selector buttons to select an image to print.
3. Press the MENU/OK  button.
4. Use the selector buttons to select the PRINT menu and then select the ONE or ALL value. (Figure 58)
 - ONE: One selected image is printed.
 - ALL: All the images are printed.
5. Press the MENU/OK  button.
 - The image to be printed appears with a PRINT? prompt.
6. To specify the image for printing, press the left selector (SET) button. (Figure 59)
 - ※The icon() appears on the image you selected to print. (Figure 60)
7. If you have more images to specify for printing, use the up and down selector buttons to select an image and repeat the last step.
8. To exit print selection, press the left selector button, to select EXIT, and press the MENU/OK  button. (Figure 61)
 - ※The menu screen disappears.

Note: You can't print a video.

○We recommend that you use the optionally available AC adapter to power the AQUAPIX when it's connected to a printer.

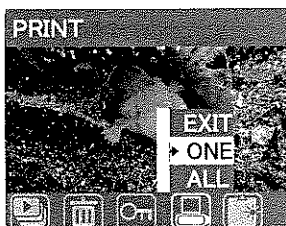


Figure 58

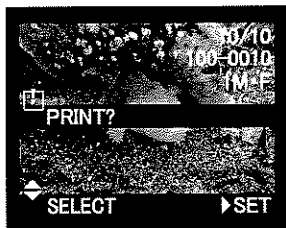


Figure 59

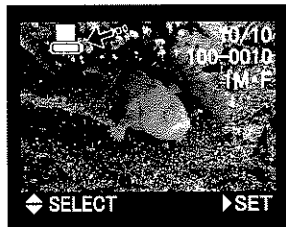


Figure 60

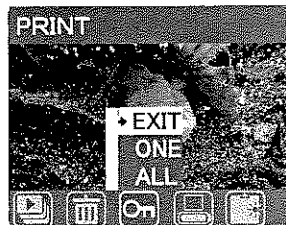




Figure 61

Canceling Print Settings

1. Follow the first five steps on page 41 to select the image selected for printing.
 - The image for which you want to cancel the settings and a CANCEL PRINT? prompt appears on the screen.
2. To cancel the settings, press the right selector (SET) button. (Figure 62)
 - ※The print icon() disappears. (Figure 63)
3. To cancel more print settings, use the up and down selector buttons to select an image and then repeat the last step.
4. To exit print cancellation, press the left selector button to select EXIT, and press the MENU/OK  button. (Figure 61)
 - ※The menu screen disappears.

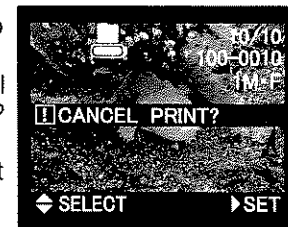


Figure 62

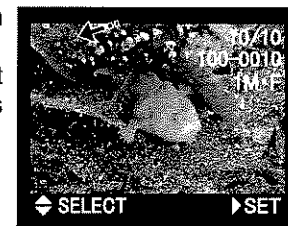





Figure 63

Formatting Memory

If a SmartMedia memory card is unformatted, you can't record images or video to it. You must format it first. Most cards are already formatted, so you won't need to format them unless the prompt **FORMAT CARD** appears on the LCD screen. Built-in memory is already formatted, but you can format it again if desired to erase all images whether they're protected or not. To format whichever memory is currently active:

1. Rotate the mode dial to put the AQUAPIX in Playback mode . (Figure 38)
2. Press the MENU/OK  button.
3. Use the selector buttons to select the **FORMAT** menu and then select OK. (Figure 64)
4. Press the MENU/OK  button.
 - ⊙ The **FORMAT?** prompt appears.
5. Press the right selector button (SET) to complete the format. (Figure 65)
6. Formatting is completed if **NO FILE** appears after the **FORMATTING** message. (Figure 66)

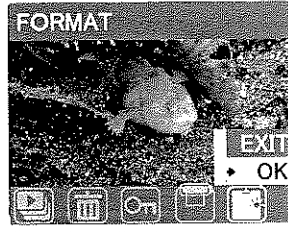


Figure 64

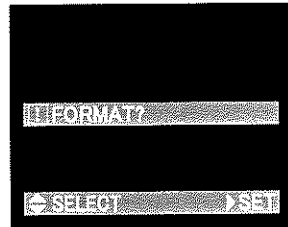


Figure 65

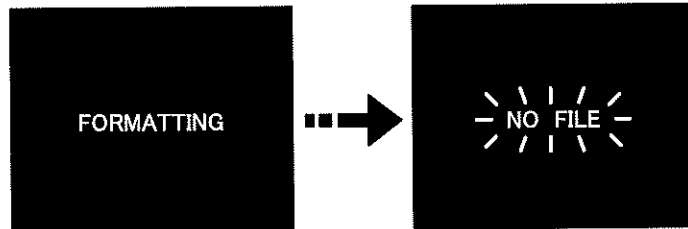


Figure 66

- ⊙ **Warning!** Formatting will delete all the files recorded on the storage media including protected files. To ensure proper formatting, do not turn power off during formatting. Use the optional AC adapter to avoid battery power loss during formatting.
- ⊙ Some SmartMedia memory cards formatted for other devices won't work in the AQUAPIX.

Importing Images and Video into a Computer

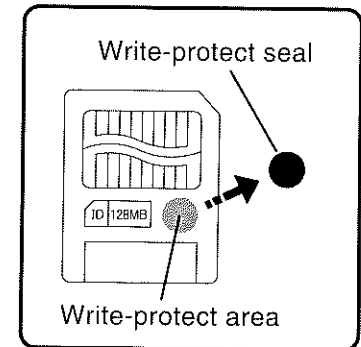
This section describes how to import images and video from the AQUAPIX into a personal computer running Windows.

※ The software on the CD-ROM included in the package is compatible with the following versions of Windows:

| |
|--------------|
| OS |
| Windows 98SE |
| Windows ME |
| Windows 2000 |
| Windows XP |
| Mac OS9.0~ |

- ⊙ If you've upgraded your operating system to a new version or if several versions of Windows are installed on your computer (a multi-boot environment), the software may not operate correctly. Due to variations in computer environments, Sea & Sea can't guarantee correct software operation for all computers even with recommended operating conditions.
- ⊙ If you connect two or more USB devices to one computer, the AQUAPIX may not work correctly depending on the type of the other USB devices. If you connect the AQUAPIX to your computer through a USB hub, the AQUAPIX may not work correctly.

- ⊙ The programs Mr. Photo, Image Folio, and Video Works are compatible only with Windows.
- ⊙ Before importing images or video into your computer, make sure that a write-protect seal is not attached to the write-protect area of a SmartMedia Card. If it is attached, your computer may not be able to read the data.



Installing the USB Driver

Install the USB Driver on your computer so the AQUAPIX can communicate over the USB cable. Before installation:

- Make sure that the computer has a built-in CD-ROM drive, a CPU that runs at 200 MHz or faster, at least 64 MB of RAM, and at least 150 MB of available hard disc space.
- Make sure the display is set to 640 x 480 resolution or higher and to High Color (16-bit color and 256 colors) or higher. If the settings are lower than these, the model selection window won't appear on the screen.
- Close all other applications running on the computer.

Note: This manual shows screen shots of Microsoft Windows XP. The screen displays and operations you see may vary depending on the type of operating system on your computer.

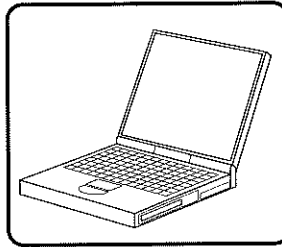


Figure 67

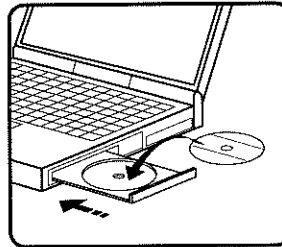
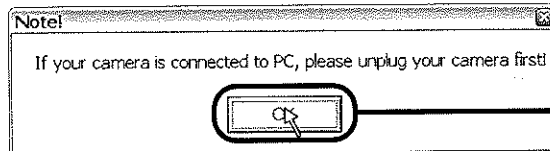


Figure 68

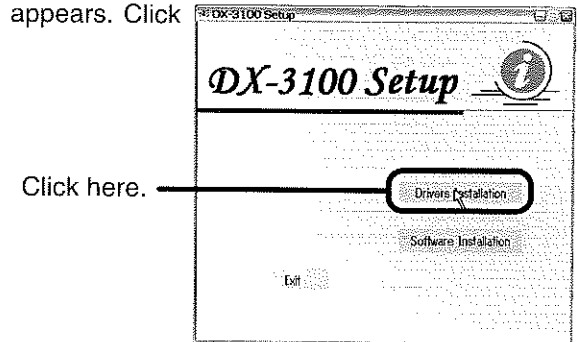
1. Turn on the computer. (Figure 67)
 - Don't connect the AQUAPIX to the computer yet.
2. Put the CD-ROM that comes with the AQUAPIX in the computer's CD-ROM drive. (Figure 68)
3. The following window appears in the screen. If the AQUAPIX is not connected to the computer, click OK. If the AQUAPIX is connected, immediately disconnect it.



Click here

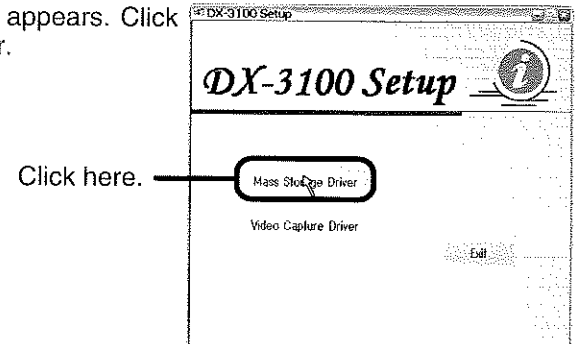
Installing the USB Driver (continued)

4. The window at right appears. Click Drivers Installation.



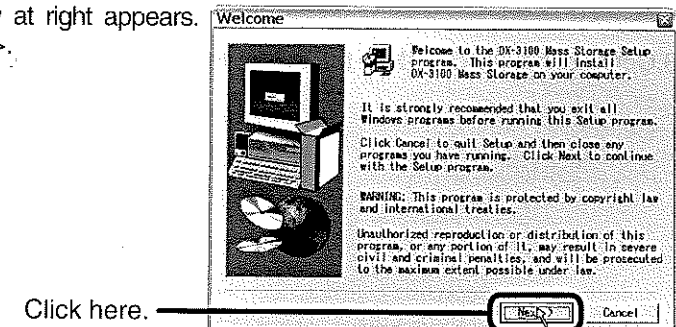
Click here.

5. The window at right appears. Click Mass Storage Driver.



Click here.

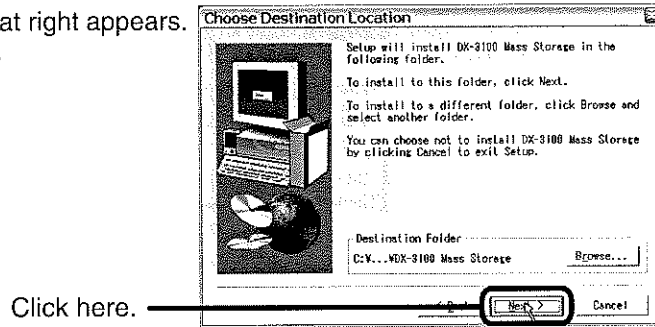
6. The window at right appears. Click Next >.



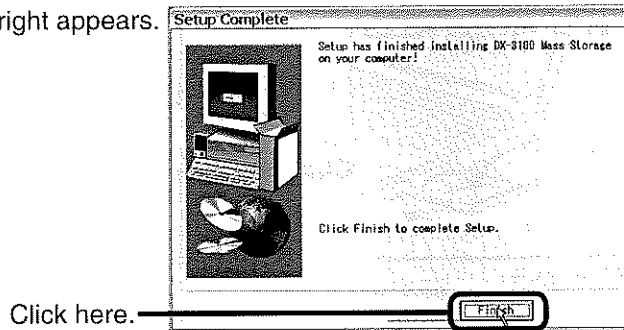
Click here.

Installing the USB Driver (continued)

7. The window at right appears.
Click Next >.



8. The window at right appears.
Click Finish.

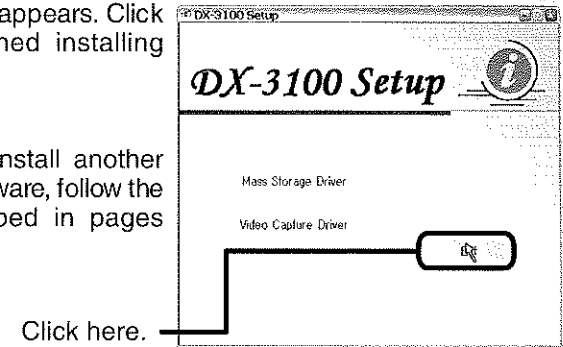


9. Connect the AQUAPIX to the computer using the USB cable.

Installing the USB Driver (continued)

10. The window at right appears. Click Exit if you're finished installing software.

- Ⓐ If you want to install another driver or more software, follow the procedures described in pages 49~54 and 60~72.



11. If you are done with installation, remove the CD-ROM from the computer. (Figure 69)

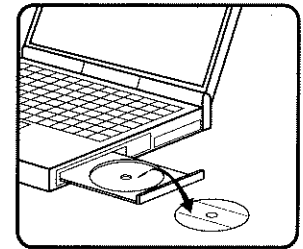
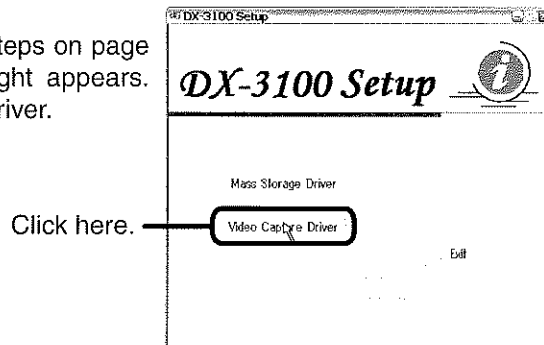


Figure 69

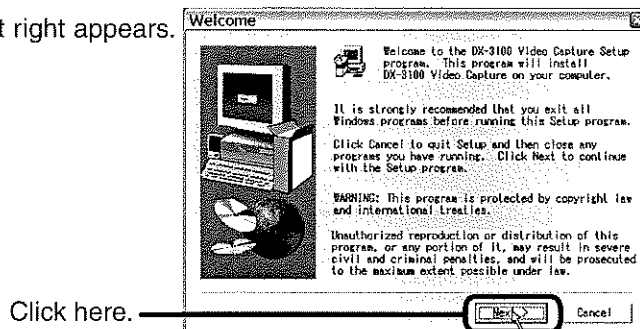
Installing the Video Capture Driver

The video capture driver is necessary for using video capture in the Video Works software included in the CD-ROM. Video capture allows you to record video while the AQUAPIX is connected to the computer with a USB cable. This is not the feature that imports the AQUAPIX's video files (recorded in using Video mode) into the computer. To install:

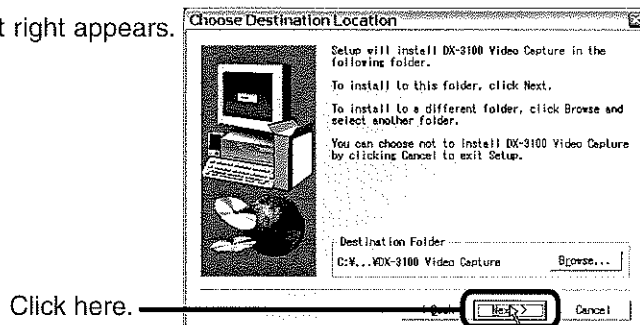
1. Follow the first three steps on page 45. The window at right appears. Click Video Capture Driver.



2. The window at right appears. Click Next >.

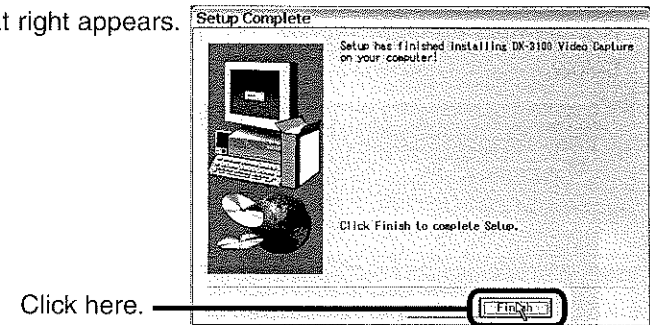


3. The window at right appears. Click Next >.



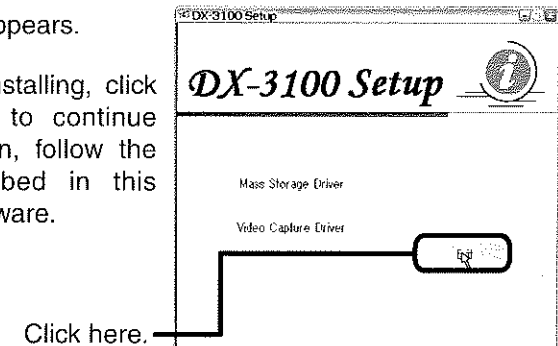
Installing the Video Capture Driver (continued)

4. The window at right appears. Click Finish.



5. The window at right appears.

- If you're finished installing, click Exit. If you want to continue software installation, follow the procedures described in this manual for that software.



[If the Video Capture Driver Doesn't Work Correctly]

- To use video capture, you must first install Video Works (described later), start the program, and click Video Capture. (Figure 70)
If a warning appears (Figure 71), follow the procedures described below.



Figure 70

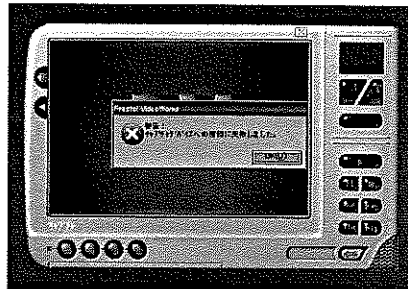
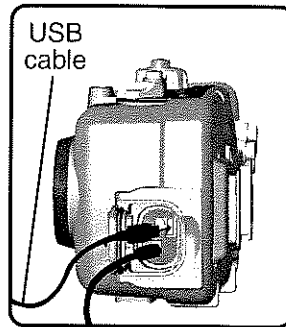


Figure 71

- 1. Connect the AQUAPIX to the computer using the USB cable. (Figure 72)
The new hardware window appears. (Figure 73)



AC adapter Figure 72

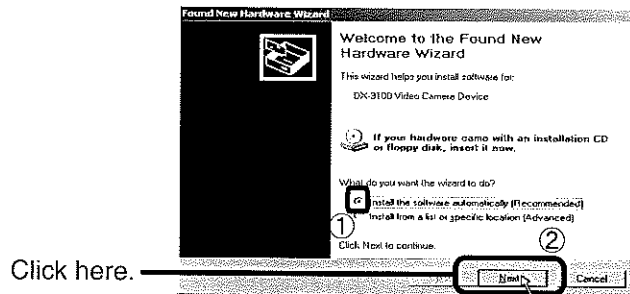
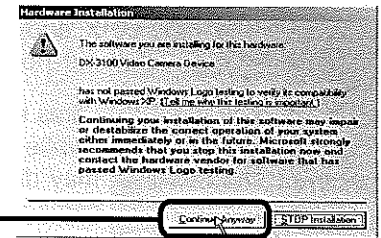


Figure 73

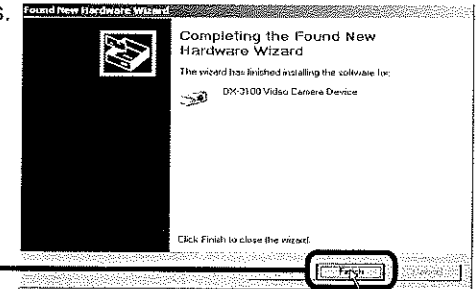
If the Video Capture Driver Doesn't Work Correctly (continued)

- 2. The window at right appears. Click Continue (C).



Click here.

- 3. The window at right appears. Click Finish.



Click here.

- After completing these new hardware recognition procedures, you should be able to use the Video Capture function.

Connecting the AQUAPIX to the Computer Using the USB Cable

1. Turn on the AQUAPIX and the computer. (Figure 74)

- ⊙ If you copy the image files to the computer from the AQUAPIX while using battery power, the batteries may die and interrupt the data transfer or damage the data. We recommend using the optional AC adapter to power the AQUAPIX during data transfer. For information about the AC adapter, see page 11.

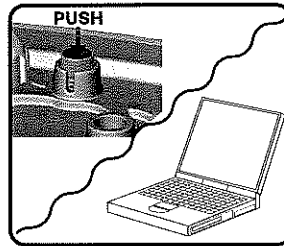





Figure 74

2. Plug the included USB cable into the USB port of the AQUAPIX. (Figure 72)

- ⊙ Before plugging the cable into the AQUAPIX, rotate the mode dial to put the AQUAPIX in Playback mode , Photo mode , or SET UP mode  so the AQUAPIX will work correctly.

3. Plug the USB cable into the USB port of the computer. (Figure 75)

- ⊙ If you have a desktop computer, we recommend that you use the USB port in the rear panel of the computer. If your computer runs Windows XP, the Auto Play Wizard appears on the computer screen. For details, see Page 57.

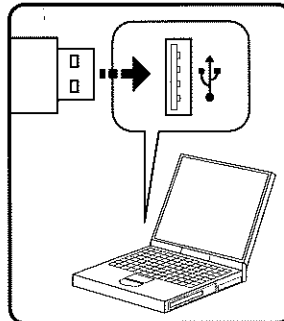


Figure 75

Connecting the AQUAPIX to the Computer Using the USB Cable (continued)

4. After you successfully connect the AQUAPIX to the computer, PC LINK appears on the AQUAPIX's LCD screen. (Figure 76)

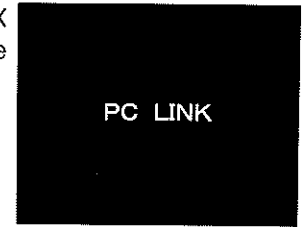


Figure 76

Copying Image and Video Files to the Computer

Once the AQUAPIX is connected to a computer using a USB cable (described in pages 53 and 54), you can copy image and video files from the AQUAPIX's built-in or card memory to the computer. The screens shown below are from Windows XP. If you are using a different version of Windows, your screen may appear different than what is shown.

1. Click on Start and then click the MY Computer Icon. (Figure 77)

※The My Computer window appears.

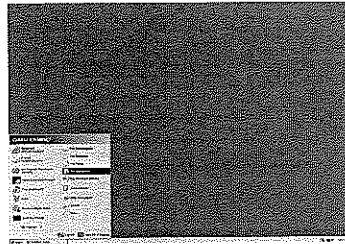


Figure 77

2. Double-click the Removable Disc icon. (Figure 78)

※The window displays the contents stored in the AQUAPIX's active memory (built-in or card).

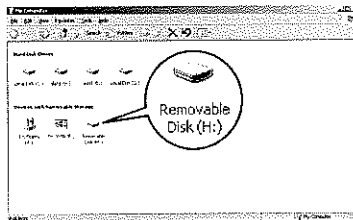


Figure 78

3. Double-click the DCIM folder. (Figure 79)

※The DCIM window appears showing the contents of the folder.

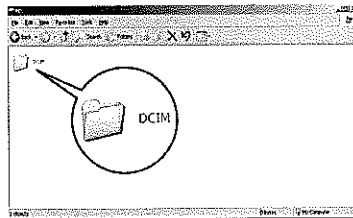


Figure 79

Copying Image and Video Files to the Computer (continued)

4. Double-click the folder in which the file you want to copy is stored. (Figure 80)

※The folder window appears showing the folder contents.

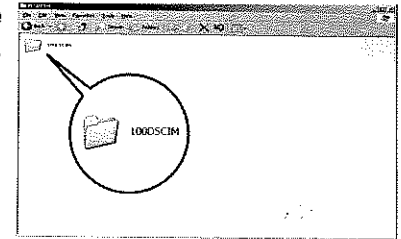


Figure 80

5. Drag and drop the file to the My Document folder. (Figure 81)

※The file is copied to the My Document folder. If the file has the same name as a file that already exists in the destination, you see a message asking if you want to replace the existing file with a new one. If you answer yes, the file from the AQUAPIX will replace the file already in the folder.

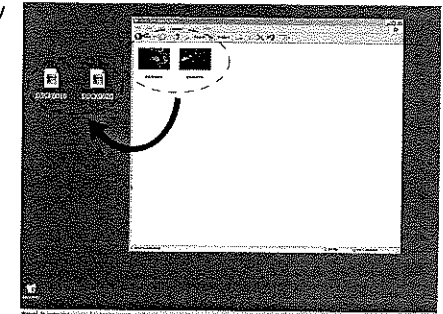


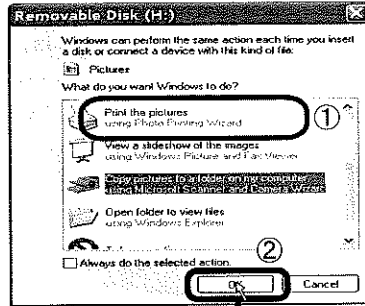
Figure 81

【Copying Image and Video Files Using Windows XP】

1. Follow the procedures described in Page 53 and 54 to turn on the AQUAPIX and connect it to the computer through the USB cable.

※ The Auto Play Wizard starts.

◎ Click the option “Copy the image files to a folder on my computer using Microsoft Scanner and Camera Wizard” then click OK. (Figure 82)



Click here. _____ Figure 82

2. The Scanner and Camera Wizard window appears. Click Next >. (Figure 83)

※ The window displays the files stored in the AQUAPIX's memory. All are selected for copying.

Click here. _____

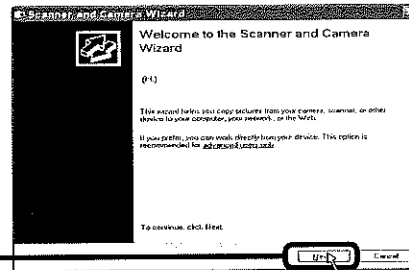


Figure 83

3. If files you don't want to copy are included, uncheck the boxes in each file icon, then click Next >. (Figure 84)

※ The window displays a file name and a destination for the remaining files specified for copying.

Click here. _____

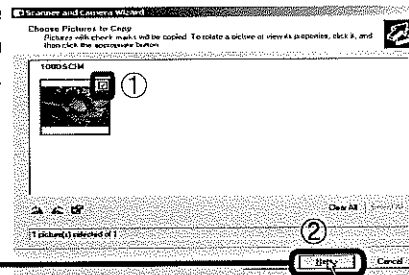
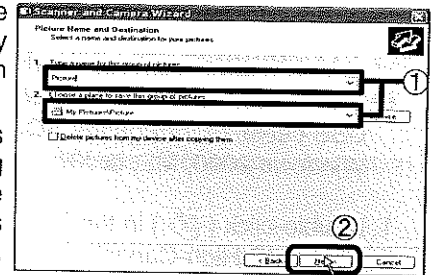


Figure 84

Copying Image and Video Files Using Windows XP (continued)

4. Enter a name if desired for the files in the AQUAPIX and specify a new destination if desired, then click Next >. (Figure 85)

※ If you check “Delete pictures from my device after copying them,” the computer will delete these files from the AQUAPIX's memory. After you click Next, the computer starts copying the file(s). After copying is completed, the Other Options window appears.



Click here. _____ Figure 85

5. Select Nothing, then click Next >. (Figure 86)

※ The window notifies you that it's completing the Scanner and Camera Wizard.

Click here. _____

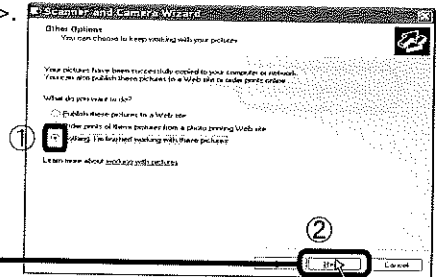
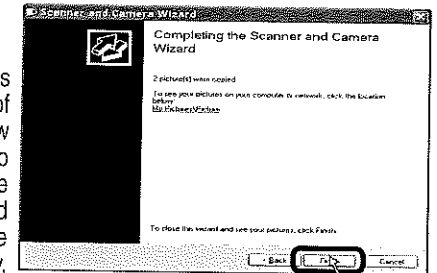


Figure 86

6. Click Finish. (Figure 87)

※ The wizard window closes.

◎ If you have more image and video files to copy stored in another section of memory, you can select the new section of memory (from built-in to card or vice versa) or—if the files are on another card—insert the other card into the AQUAPIX. Once you've selected the new section of memory, follow the procedures described in on page 59 to remove the USB cable and then re-insert it. After the cable is re-inserted, repeat the procedures described on page 57.




Click here. _____ Figure 87

Removing the USB Cable

Caution

- Follow the procedures described below when you remove the USB cable, or turn off the AQUAPIX while using a computer with Windows 2000, ME, or XP.

1. Double-click () in the Task Tray.
2. Click USB High-Capacity Storage Device and Stop.
3. Make sure this is the device you want to remove then click OK.
4. Click OK.
(Skip this step if you use Windows XP.)
5. Remove the USB cable, or turn off the AQUAPIX.

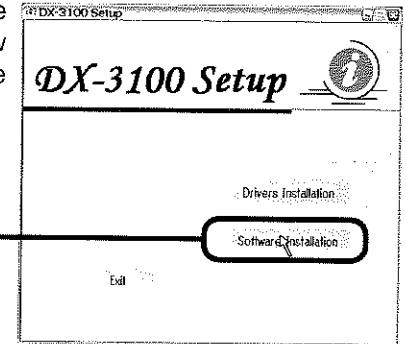
Installing Mr. Photo

The program Mr. Photo is included in the CD-ROM that comes with your AQUAPIX. You can use Mr. Photo to view, edit and manage images from your AQUAPIX on your computer screen.

Mr. Photo runs on Windows operating systems. (For more information on operating systems, see page 44.)

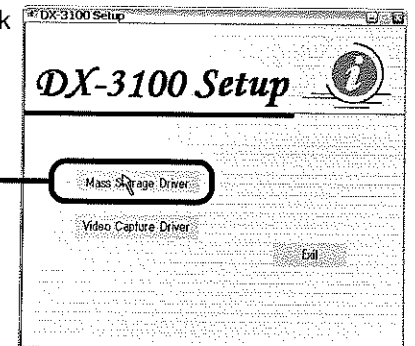
1. Follow the first three steps on page 45 to start installation. The window at right appears. Click Software Installation.

Click here.



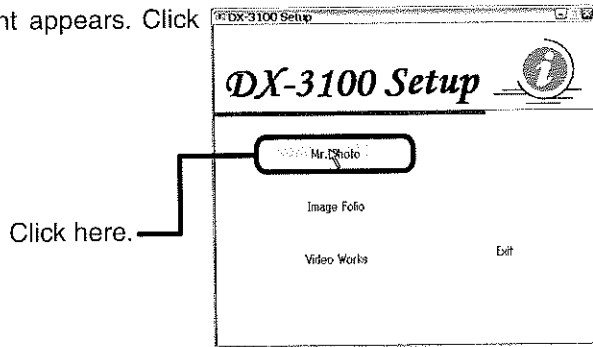
2. The window at right appears. Click Mass Storage Driver.

Click here.

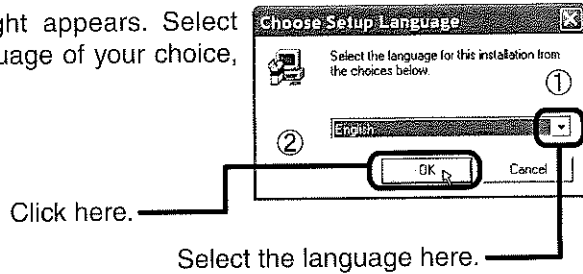


Installing Mr. Photo (continued)

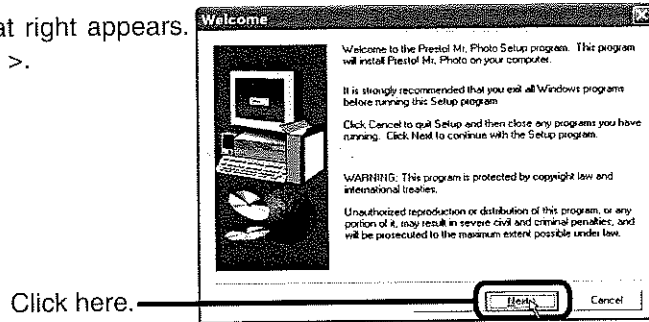
3. The window at right appears. Click Mr. Photo.



4. The window at right appears. Select English or the language of your choice, then click OK.

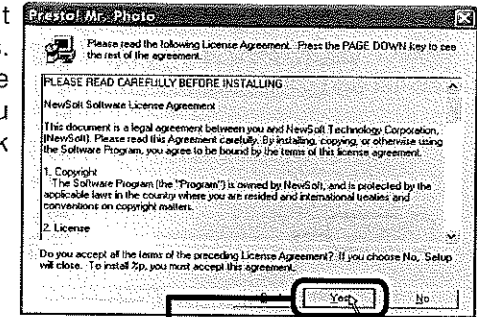


5. The window at right appears. Click Next (N) >.



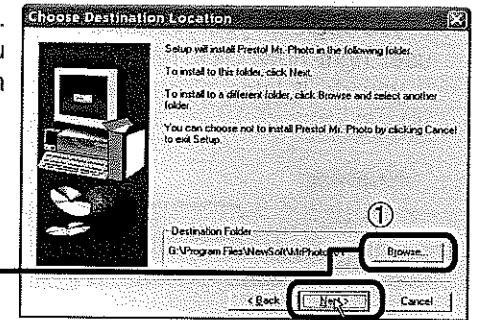
Installing Mr. Photo (continued)

6. The License Agreement window at right appears. Carefully read the software license agreement. If you accept the agreement, click Yes.

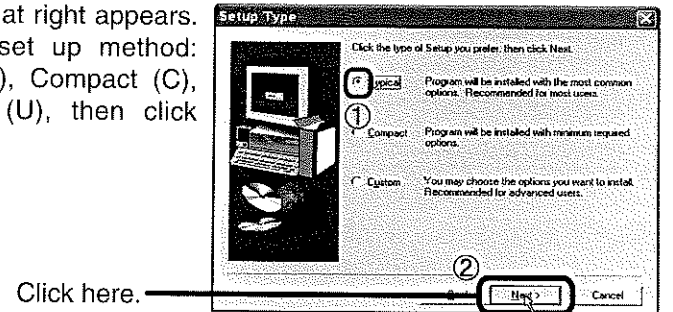


7. The window at right appears. Select the folder in which you want to install Mr. Photo, then click Next (N) >.

Select the folder in which you want to install Mr. Photo.

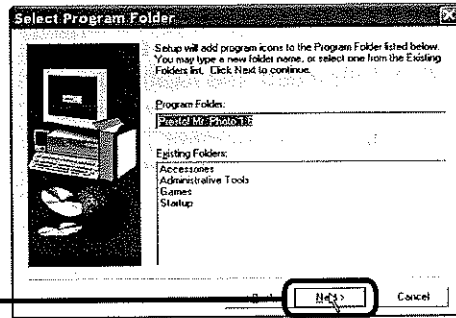


8. The window at right appears. Select the set up method: Standard (T), Compact (C), or Custom (U), then click Next (N) >.



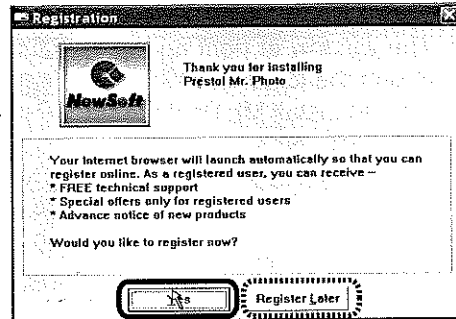
Installing Mr. Photo (continued)

9. The window at right appears. Select the folder name from the list and click Next (N) >.



Click here.

10. The window at right appears. If you register yourself as a user right now, click Yes (Y). If you do it later, click Later (L).

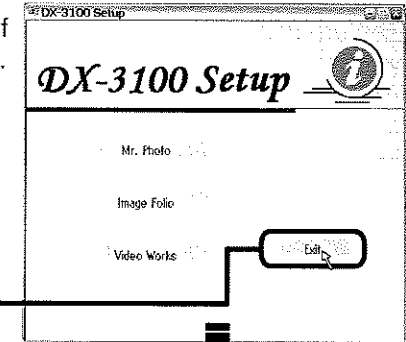


Click here.

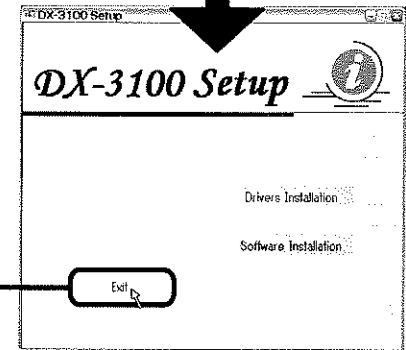
11. For user registration, follow the instructions displayed on the screen.

Installing Mr. Photo (continued)

12. The window at right appears. If you're finished installing, click Exit.



Click here.



Click here.

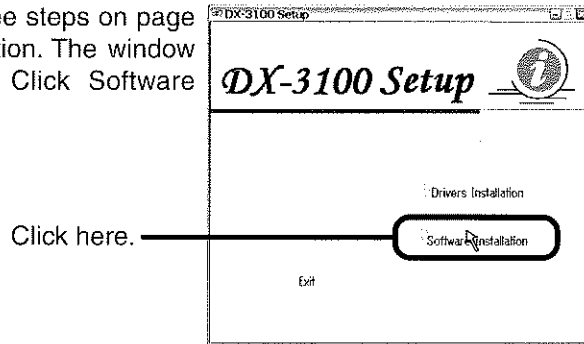
13. If you're done with installation, remove the CD-ROM from the computer. (Figure 69)

Installing Image Folio

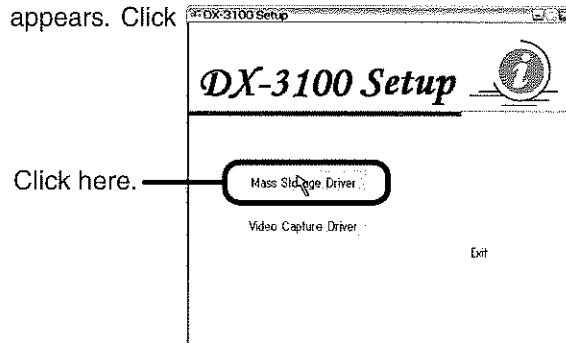
The program Image Folio is included in the CD-ROM that comes with your AQUAPIX. You can use Image Folio to manipulate images from your AQUAPIX on your computer screen.

Image Folio runs on Windows operating systems. (For more information on operating systems, see page 44.)

1. Follow the first three steps on page 45 to start installation. The window at right appears. Click Software Installation.

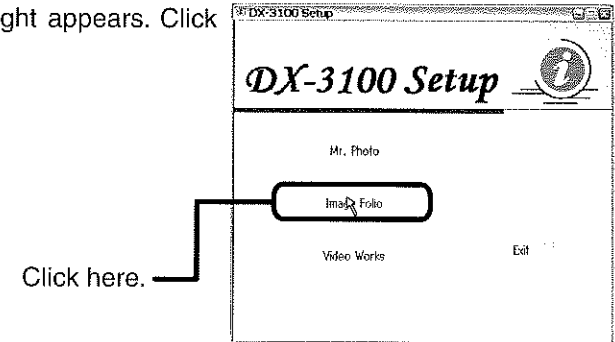


2. The window at right appears. Click Mass Storage Driver.

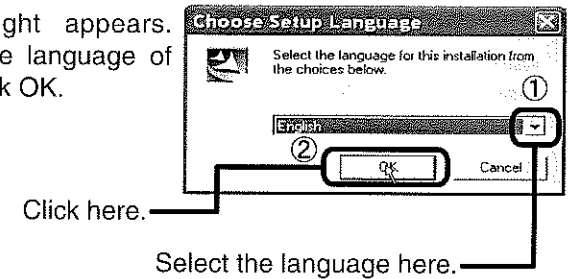


Installing Image Folio (continued)

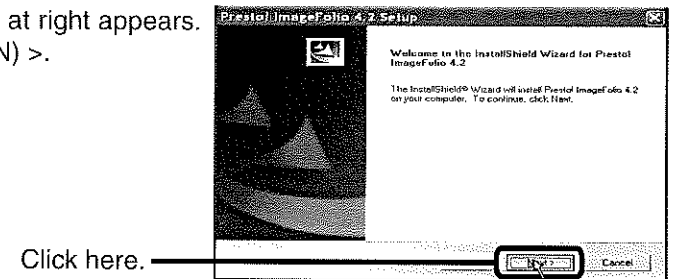
3. The window at right appears. Click Image Folio.



4. The window at right appears. Select English or the language of your choice, then click OK.

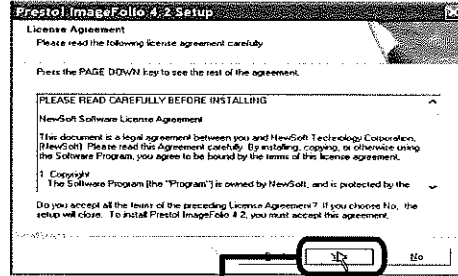


5. The window at right appears. Click Next (N) >.



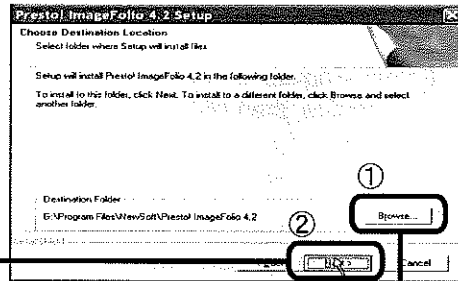
Installing Image Folio (continued)

6. The License Agreement window at right appears. Carefully read the software license agreement. If you accept the agreement, click Yes.



Click here.

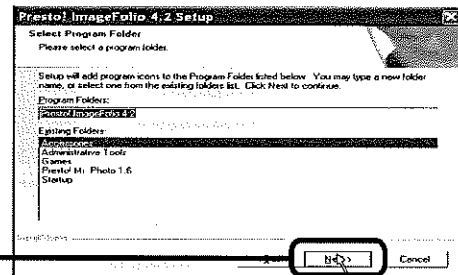
7. The window at right appears. Select the folder in which you want to install Image Folio, then click Next (N) >.



Click here.

Select the folder in which you want to install Image Folio.

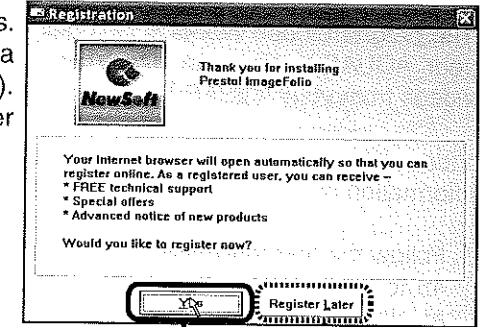
8. The window at right appears. Select the folder name from the list and click Next (N) >.



Click here.

Installing Image Folio (continued)

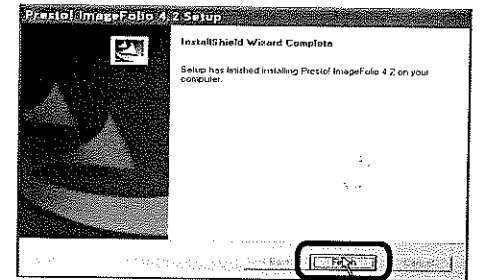
9. The window at right appears. If you register yourself as a user right now, click Yes (Y). If you do it later, click Later (L).



Click here.

10. For user registration, follow the instructions displayed on the screen.

11. The window at right appears. Click Finish.



Click here.

12. If you're finished with installation, follow the instructions on page 64.

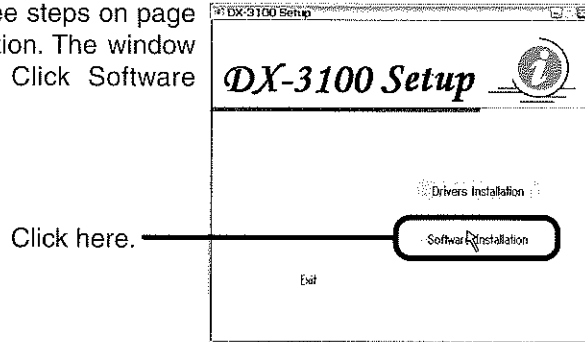
13. If you're done with installation, remove the CD-ROM from the computer. (Figure 69)

Installing Video Works

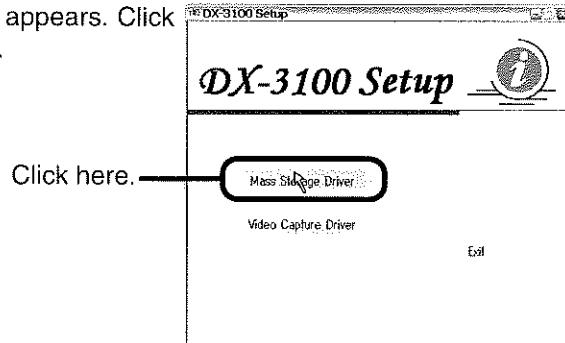
The program Video Works is included in the CD-ROM that comes with your AQUAPIX. You can use Video Works to view and manipulate videos from your AQUAPIX on your computer screen.

Video Works runs on Windows operating systems. (For more information on operating systems, see page 44.)

1. Follow the first three steps on page 45 to start installation. The window at right appears. Click Software Installation.

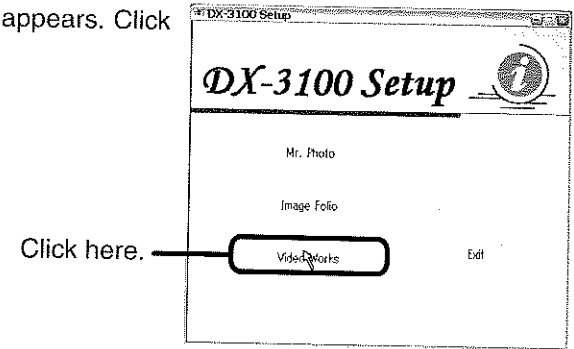


2. The window at right appears. Click Mass Storage Driver.

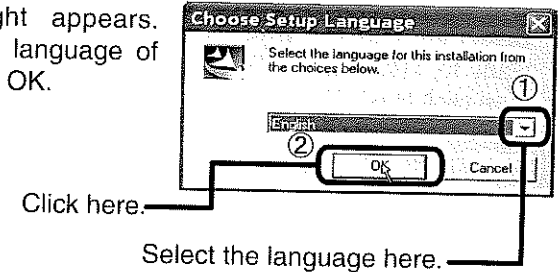


Installing Video Works (continued)

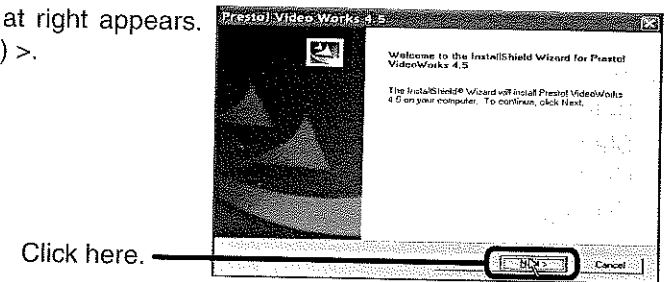
3. The window at right appears. Click Video Works.



4. The window at right appears. Select English or the language of your choice, then click OK.

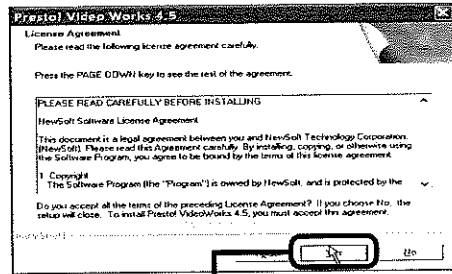


5. The window at right appears. Click Next (N) >.



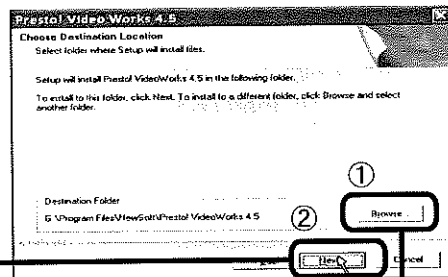
Installing Video Works (continued)

6. The License Agreement window at right appears. Carefully read the software license agreement. If you accept the agreement, click Yes.



Click here.

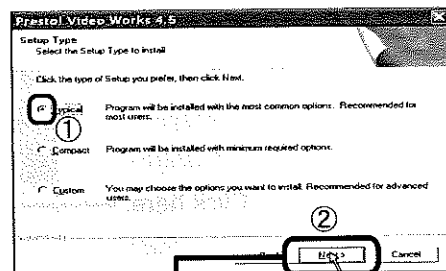
7. The window at right appears. Select the folder in which you want to install Video Works, then click Next (N) >.



Click here.

Select the folder in which you want to install Video Works.

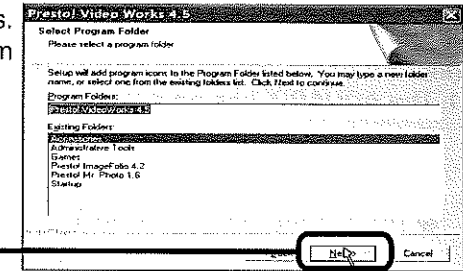
8. The window at right appears. Select the set up method: Standard (T), Compact (C), or Custom (U), then click Next (N) >.



Click here.

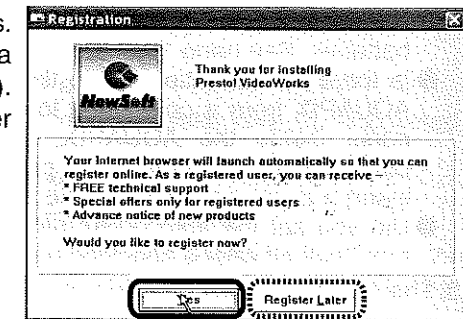
Installing Video Works (continued)

9. The window at right appears. Select the folder name from the list and click Next (N) >.



Click here.

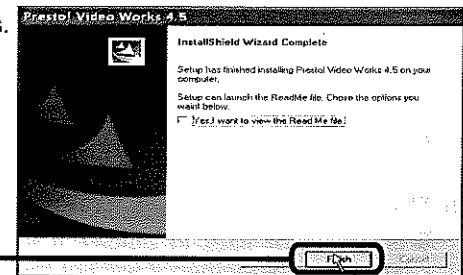
10. The window at right appears. If you register yourself as a user right now, click Yes (Y). If you do it later, click Later (L).



Click here.

11. For user registration, follow the instructions displayed on the screen.

12. The window at right appears. Click Finish.



Click here.

13. If you're finished with installation, follow the instructions on page 64.
14. If you're done with installation, remove the CD-ROM from the computer. (Figure 69)

If the AQUAPIX Isn't Working

If your AQUAPIX isn't working, browse the following list for the type of problem you're having and try the solutions provided.

1. The AQUAPIX has no power.

- Are the batteries in correctly? If not, remove them and re-insert them correctly. If you're using the optional AC adapter is it plugged in firmly at both ends? If not, plug it in firmly. See pages 10 and 11.
- The batteries may be dead. Replace them with fresh batteries. See page 10.

2. You can turn the AQUAPIX on but it quickly turns off by itself.

- The batteries may be about to die. Replace them with fresh batteries. See page 10.
- Is there condensation inside the AQUAPIX? When you move the AQUAPIX from a cold place to a warm place, condensation may occur inside the AQUAPIX, shutting it down. Wait until the condensation disappears. To prevent condensation from forming, insert a desiccant pack into the AQUAPIX. See page 13.
- Did you set the auto power-off function? If so, the AQUAPIX will turn itself off after a specified period of time. See page 16.

3. The AQUAPIX won't capture an image or record video.

- Is the AQUAPIX in the correct mode? It must be in Photo mode to capture images or Video mode to record video
- Does the built-in memory or the SmartMedia Card have enough free memory? Make sure that available memory is sufficient before capturing or recording. See page 21.

4. The subject is out of focus.

- You may be too close to the subject. Move the AQUAPIX back from the subject and try again. Or use the macro lens to allow you to get closer to the subject. See page 29.
- The macro lens might be in place while you're trying to focus on a subject in the distance. If so, remove the macro lens. See page 29.

5. The image looks orange.

- Is the color filter in place? If it's used in lighting situations that aren't too blue, then it will tint the image orange. Remove the filter. See page 29.

6. It takes a long time to charge the flash.

- The batteries may be about to die. Replace them with fresh batteries.

If the AQUAPIX Isn't Working (continued)


7. No image appears on the LCD screen.

- The LCD screen may be turned off. Press the screen display button to turn it on. See page 18.

8. The onboard flash doesn't fire.

- Is the AQUAPIX set to no flash mode? If so, the flash won't fire. Press the flash button to set a different flash mode. For more instructions, see page 26.

9. The AQUAPIX doesn't show images or video.

- The AQUAPIX's active memory might be empty.
- The AQUAPIX may not be in Playback mode . If not, set the mode to Playback.

10. Images don't show up on a TV screen.

- Is the AQUAPIX connected to the TV? Make sure it's connected. See page 36.
- Did you set the TV in its video input mode?

11. You can't transfer image files to the computer.

- Is the AQUAPIX connected to the computer? Make sure the AQUAPIX is correctly connected using a USB cable. See page 53.

○ If the AQUAPIX still doesn't work correctly even after trying these troubleshooting suggestions, please contact Sea & Sea. You'll find more information about using the AQUAPIX in the rest of this instruction manual.

○ Please don't lose the warranty certificate included with the AQUAPIX. In some countries if you lose it you may have to pay for inspection or repair even if the AQUAPIX is under warranty.

Understanding Warning Messages

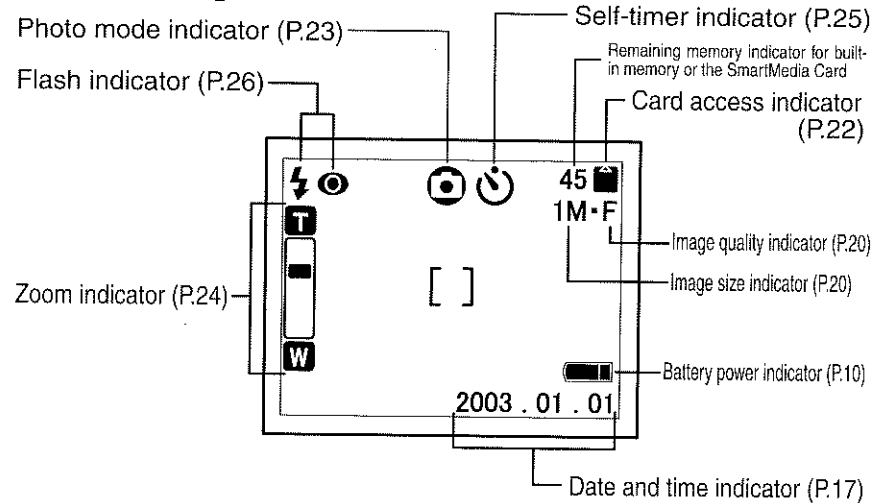
The AQUAPIX's LCD screen occasionally displays warning messages. The table below lists possible messages along with explanations.

| Message | Explanation |
|----------------------------|--|
| NO CARD | No memory card is installed in the AQUAPIX. Insert a card. |
| SET DATE/TIME | The data and time has not been set. You must set it. |
| FILE PROTECTED | This file is protected and can't be deleted. Unprotect the file before deleting it. |
| PROTECTED CARD | The memory card write-protect is set on LOCK. Release the lock so the AQUAPIX can record to the card. |
| INSUFFICIENT MEMORY | The AQUAPIX's active memory has insufficient space to execute your operation. To create space in memory, delete unwanted files or format the memory. (Warning: formatting erases everything in active memory.) |
| | The number of images selected for printing has exceeded memory capacity. Cancel printing for some images to reduce memory use. |
| FORMAT CARD | The memory card isn't formatted. Format the card. |
| CARD ERROR | Formatting the memory card didn't work. Format the card again. If this warning message appears again, there is a problem with the card. Use another card. |
| RECORDING | The AQUAPIX is recording an image. This message will disappear when the AQUAPIX is finished. |
| 0 (ZERO) | When you press the shutter release, the AQUAPIX determines there's not enough memory to capture an image. |
| NO FILE | The AQUAPIX's memory contains no recorded images or videos. |

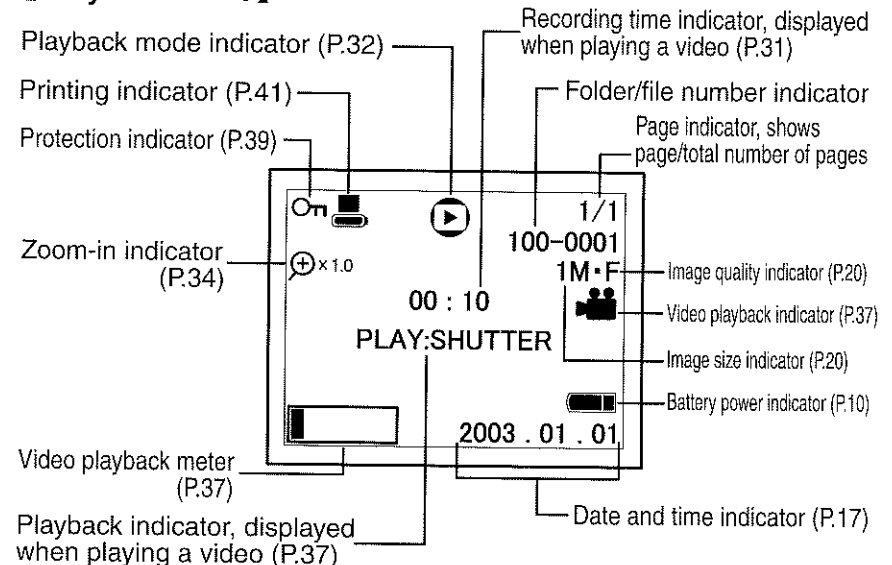
LCD screen Indicators

Indicators on the AQUAPIX's LCD screen indicate AQUAPIX operating conditions.

【 Photo Mode 】

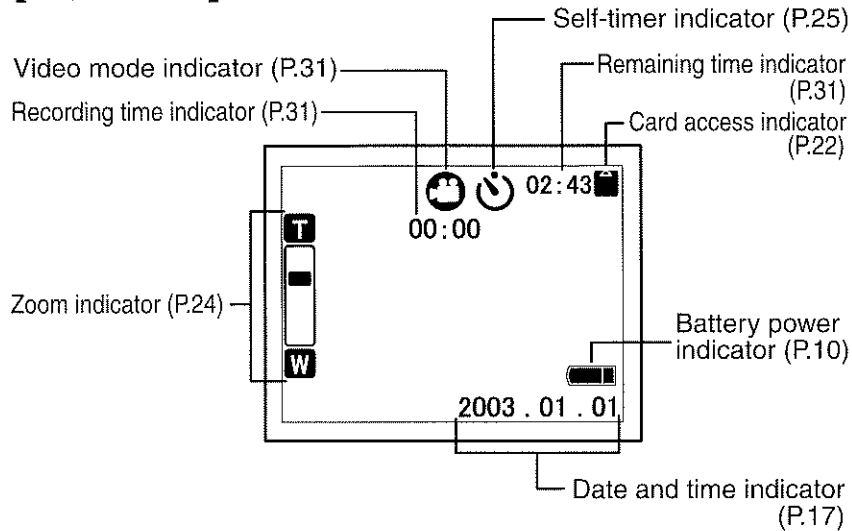


【 Playback Mode 】



LCD screen Indicators (continued)

【 Video Mode 】



Available Menus

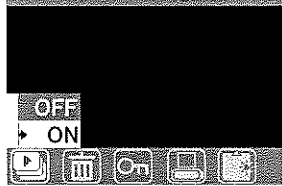
【 Photo mode 】

| | |
|--|---|
| | <p>IMAGE SIZE: sets the size of captured images (P.20)</p> |
| | <p>QUALITY: sets the quality of captured images (P.20)</p> |
| | <p>DIGITAL ZOOM: turns digital zoom on and off (P.24)</p> |
| | <p>This function cannot be used.</p> |
| | <p>eLOCK: sets the date and time (P.17)</p> |

Available Menus (continued)

【Playback mode】

SLIDE SHOW SLIDE SHOW: starts a slide show (P.35)



DELETE DELETE: deletes one or more images (P.38)



PROTECT PROTECT: protects one or more images (P.39)



PRINT PRINT: specifies printing for one or more images (P.41)



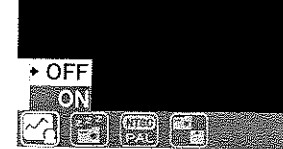
FORMAT FORMAT: formats a memory card (P.43)



Available Menus (continued)

【SET UP mode】

DATE IMPRINT DATE IMPRINT: turns date imprinting on images on and off (P.28)



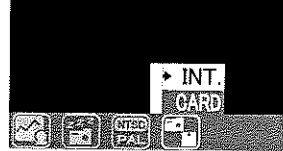
AUTO OFF AUTO OFF: sets the auto power-off interval or turns off the feature (P.16)



VIDEO OUT VIDEO OUT: specifies the TV output signal (P.36)



STORAGE STORAGE: determines the active memory on which images are stored (P.22)



Installing the Light-Shielding Hood

- Push the hood onto the mounting frame. (Figure 88)

※ Don't pick the AQUAPIX up by the light-shielding hood. It may detach and let the AQUAPIX fall.

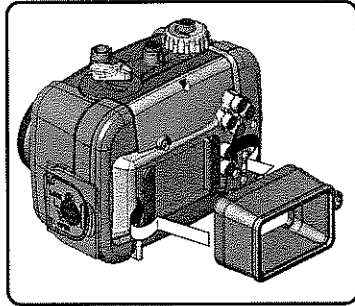


Figure 88

Caring for Your AQUAPIX

After you use your AQUAPIX in salt water, any salt water remaining on the AQUAPIX can dry and crystallize, making it hard to dissolve. Crystallized salt can ruin the AQUAPIX's waterproof seals, causing flooding the next time you use it underwater. To avoid this, be sure to clean off salt water thoroughly:

1. After salt-water use, soak the AQUAPIX thoroughly in fresh water before you open it as shown in Figure 89.
2. After soaking, rinse the AQUAPIX well under running water.
3. After a fresh-water rinse, wipe the water off with a lint-free cloth and dry the AQUAPIX in the shade.
 - ◎ Don't dry the AQUAPIX in the sun or use a hair dryer or other hot-air tool to dry the AQUAPIX. It may deform or damage the AQUAPIX.
4. Before using the AQUAPIX again, apply a thin coat of silicon grease to the o-rings. Be sure to replace the o-rings with a new o-rings once a year.
5. If you plan not to use the AQUAPIX for a long period of time, store it away from high temperatures, high humidity, direct sunlight, and cold temperatures.
6. Remove the SmartMedia Card and batteries from the AQUAPIX before storage.
7. Don't apply petroleum solvent such as alcohol or thinner to the AQUAPIX. It may deform or damage the AQUAPIX.
8. Have the AQUAPIX service by an authorized Sea & Sea dealer every two years.

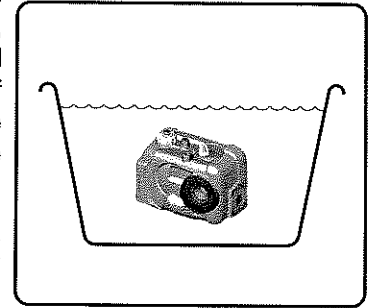


Figure 89

About the PASSED Label



The Pressure Test Passed label on a product indicates that the product has passed the Sea & Sea pressure test and is waterproof at depth.

Introduction of Accessories

System Chart

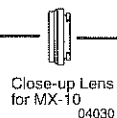
SEA&SEA Accessory System Chart for DX-3100 AQUAPIX

CAMERA CASE



MB-40
Carrying Case
BLACK : 04760
YELLOW : 04770

CLOSE-UP LENS

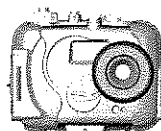


Close-up Lens
for MX-10
04030

WIDE LENS

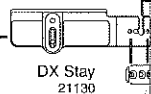


20mm Wide Conversion Lens Kit
04010



NEW
DX-3100 AQUAPIX
60106

STAY



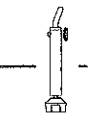
DX Stay
21130



Multi Stay Base
21000

*Arm Adapter can be attached on both sides of the multi stay base

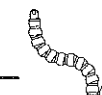
ARM



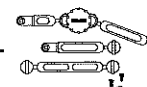
Sea Arm IV
29000



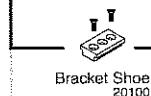
DX Arm
21140



Flexible Light Arm
29070



Sea Arm VI
29090



Bracket Shoe
20100

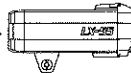


Direct Arm Base
29260

LIGHT

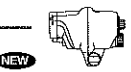


LX-25 Video Light
35100

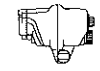


LX-55 Video Light
35200

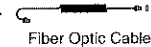
STROBE



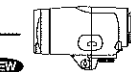
NEW
YS-25AUTO
03103



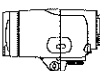
YS-25DX
16980



Fiber Optic Cable
for YS-25
16990



NEW
YS-90AUTO
03101



YS-90DX
16950



Fiber Optic Cable
for YS-90
58030

☑ Please note that models with this mark have been discontinued. Availability is limited.

Connecting a Fiber-Optic Cable

The AQUAPIX provides a connection port for a fiber-optic cable used to fire an external Sea & Sea flash. This cable is the same cable used by the Sea & Sea DX-3000(G) housing.

An external flash is useful when the onboard flash isn't strong enough to light up a wide-angle image, if you capture an image against the sun, if you need to fire a flash from the side of the AQUAPIX to prevent floating particles from being captured in the image, or if you want to eliminate a lens shadow that can occur when using the onboard flash with an external conversion lens.

To use the fiber-optic cable:

- Firmly insert the fiber-optic cable into the entry point. (Figure 90)
- ※ If the cable isn't inserted firmly, the external flash may not work correctly.
- ※ The fiber-optic cable delivers light from the onboard flash to trigger the external flash. If the inside of the fiber-optic cable connection port gets dirty, the external flash may not fire correctly. Whenever you use the AQUAPIX, make sure that the inside of the connection port and the ends of the fiber-optic cable are clear of any foreign objects such as salt and sand. (Figure 91)

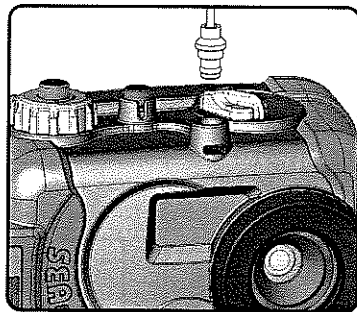


Figure 90

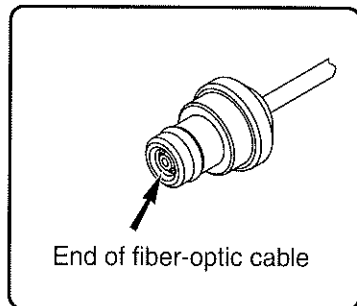


Figure 91

Installing a Wide-Angle Conversion Lens

The AQUAPIX can accept the Sea & Sea wide-angle conversion lens made for the MX-10. This lens provides a wider-angle view for images captured by the AQUAPIX. To install the lens:

1. Align the mark on the rear of the wide-angle conversion lens with the mark on the built-in lens then insert the conversion lens straight in. (Figure 92)
2. Rotate the conversion lens clockwise until you hear the lens click. (Figure 93)

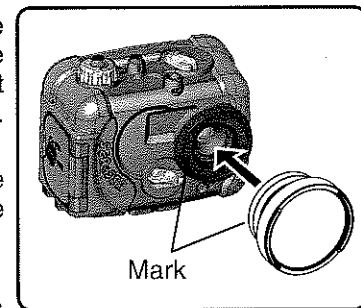


Figure 92

- ※ Be sure to firmly rotate the lens until it clicks. If it's not firmly attached it may fall, damaging the lens and the AQUAPIX.

- ※ The depth-of-field table on the wide-angle conversion lens doesn't apply to a digital camera like the AQUAPIX.

- ※ If you attach the wide-angle conversion lens above water, be sure to detach it underwater, release any trapped air behind it, and re-attach it to the AQUAPIX.

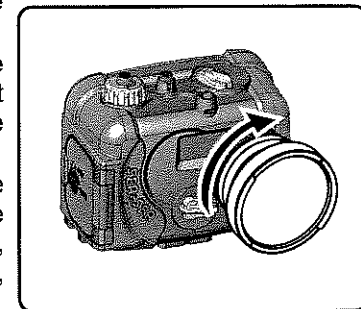


Figure 93

Mounting the DX Stay/Multi Stay

The Sea & Sea DX stay/Multi stay attaches to the AQUAPIX by following these steps:

1. Turn the assembly screw of the DX stay loosely into the AQUAPIX's tripod screw hole. (Figure 94)
2. Slide the base of the AQUAPIX until it reaches the stopper of the DX stay. (Figure 95)
 ※ Snugly align the base with the stopper.
3. Tighten the screw snugly to attach the AQUAPIX. (Figure 96)
 ※ Don't tighten the screw too much. Over-tightening may cause deform the AQUAPIX and cause flooding when underwater.

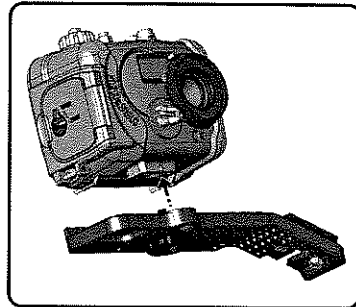


Figure 94

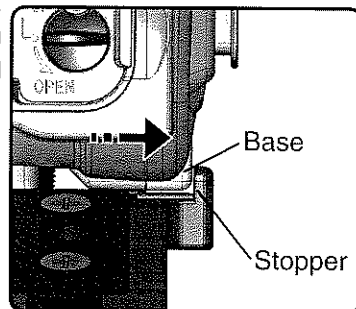


Figure 95

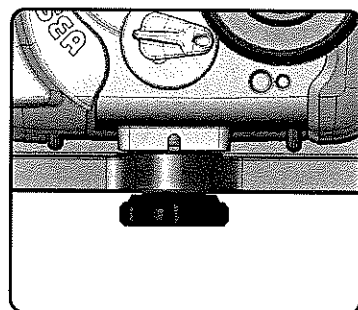


Figure 96

Specifications

| | |
|---|--|
| [Recording pixels] | 3,140,000 pixels |
| [Image pickup device] | 1/2.7 inch CCD |
| [Lens] | f = 5.7 mm F 4.8 |
| [Digital zoom] | 3X |
| [Focusing range] | With normal lens: 40 cm (15 inches) to infinite With macro lens: 10 cm (4 inches) |
| [Video resolution] | 320 x 240 pixels |
| [Shutter speed] | 1/40 to 1/1000 seconds |
| [White balance] | Auto |
| [Exposure] | Auto, program AE |
| [ISO sensitivity] | Auto |
| [LCD monitor] | 1.6 inch model D-TFD, color LCD |
| [Flash modes] | No flash, standard flash, auto, and red-eye reduction |
| [Built-in memory] | 16 MB |
| [Optional recording medium] | SmartMedia Card |
| [Recordable pixels] | Still image: 2048 x 1536, 1600 x 1200, 1280 x 960, and 640 x 480 Video: 320 x 240 |
| [Image quality] | Fine or standard |
| [File formats] | Still image: JPEG Video: AVI |
| [Power supply] | Battery: Size AA batteries x 2 AC adapter (optional): 3V/2A |
| [Operating temperature and humidity limit] | Ambient temperature: 32 to 104 degrees F (0 to 40 degrees C) Relative humidity: 85 % or less |
| [Storage temperature limit] | -4 to 140 degrees F (-20 to 60 degrees C) |
| [Body material] | Polycarbonate resin |
| [Dimensions] | W x H x D except for protrusions: 4.6 x 3.5 x 2.9 inches (117 x 90 x 73.5 mm) |
| [Weight] | 14.1 ounces (400 g) (without batteries) |
| [Weight underwater] | -2.5 ounces (-70 g) |
| [Depth of water pressure resistance] | 150 ft. (45 m) |
| [Accessories] | AV cable, USB cable, CD-ROM, size AA batteries x 2, desiccant packs x 5, light-shielding hood, o-rings x 2, silicon grease, o-ring remover, instruction manual, and guide book |

※ The price, specifications, and appearance of this product may change without notice.

Safety and Operating Precautions

Sea & Sea products are designed for safety and reliability as long as they're used properly. To ensure your safety and to maintain the integrity of your equipment, please read and follow these safety precautions.

Danger

Disregarding these precautions may result in immediate death or serious injury:

- Don't disassemble, structurally change (solder, for example), or heat the AQUAPIX. Don't put the AQUAPIX in a fire.
- Don't bring the battery terminals (+ and -) into contact with metal objects—necklaces or bobby pins, for example. The battery may leak, overheat, catch fire, or explode.
- If the battery leaks, get the battery away from fire or open flame immediately. The leaked fluid or its vapor may catch fire and explode.
- If the battery fluid leaks onto your skin or clothing, wash it well with water. If you get battery fluid in your eye, you may lose your eyesight. Do not rub your eye. Wash it thoroughly with clean water and consult a doctor immediately.

Warning

Disregarding these precautions is likely to result in death or serious injury:

- Don't use the AQUAPIX while driving a car or riding a bicycle or horse. Inattention may lead to serious accidents.
- Be careful if you use the AQUAPIX while walking. Pay attention to surrounding conditions and walking surface to avoid falls.
- Don't disassemble or structurally change the AQUAPIX which can result in fire or electric shock. Disassembling the photo-flash or LCD is especially dangerous because they contain a high voltage circuit. If you need to inspect or repair internal parts, please contact the dealer who sold you the AQUAPIX.
- Don't pour water or insert a foreign object into the AQUAPIX. Fire or electric shock may result. The AQUAPIX is waterproof, but if water gets inside it for any reason, immediately turn it off and stop using it.
- Remove the battery from the AQUAPIX when it's stored for long periods of time.
- During thunder storms, don't touch the metal parts and power sections such as the AQUAPIX's AC adapter—especially if the AQUAPIX is plugged in. Don't touch any plugged-in devices to avoid electric shock.

- Don't touch the flash immediately after firing it. It's hot and may burn you.
- Don't handle the battery and plug with wet hands or you may be shocked.
- Don't heat, damage, or structurally change the power cord. Don't place heavy objects on it. If you remove the power cord from an outlet, pull while holding the plug, not the cord behind it. Failing to do so may result in fire or electric shock.
- Use the AQUAPIX only when you have a firm footing so you don't fall and injure yourself.
- Don't place the AQUAPIX on a slope or an unstable surface. It may fall and break or injure someone below it.
- Keep the silicon grease, O-ring, battery, and memory card away from babies so they don't swallow them. If a baby swallows any of these items, take the baby immediately to a doctor.
- Don't fire the flash or use the video light in a driver's eyes while driving. The driver may be startled and lose control of the car.
- Don't use the flash or the video light in any place with flammable or explosive gases. It may start a fire or trigger an explosion.
- Don't point the lens toward the sun for a long period of time. The lens might focus the light onto a flammable surface and start a fire.
- Don't aim the AQUAPIX toward direct sunlight or any other high intensity lights while capturing an image. It may cause incurable eye damage.

Caution

Disregarding these precautions may result in slight or serious injury, property damage, or damage to the quality and reliability of the AQUAPIX:

- Read this instruction manual carefully before you start using the AQUAPIX.
- If the AQUAPIX isn't used for a long period of time, remove the battery from it.
- Use only the designated battery and AC adapter. Using other types may result in overheating, fire, or explosion.
- Don't fire the flash too close to a subject's eyes, especially those of a baby. It may impair vision. When you capture an image of a subject using the flash, try to stay more than 3 feet (1 meter) away from the subject.
- When using the AQUAPIX in a hospital or an airplane, inquire first about restrictions. The AQUAPIX generates electromagnetic waves that may affect instrument operation.
- Don't insert the USB cable into non-USB ports. It may break the cable or the AQUAPIX.
- Don't rest heavy weights on the AQUAPIX. It might deform the outer frame, damage internal parts, make the waterproofing fail, or result in fire or electric shock.

- Don't leave the AQUAPIX in places with hot temperatures such as the inside of a car or in a car trunk in summer. The heat may deform plastic parts of the AQUAPIX, damaging internal parts of the AQUAPIX, resulting in potential fire or electric shock. If the AQUAPIX is sealed tight in hot conditions, heated air expanding inside the AQUAPIX may deform the frame and ruin the waterproofing.
- Make sure the video light, flash lamp, and the other accessories are tightly connected to the AQUAPIX so they don't fall off and get lost. Falling accessories can result in damage and injury.
- Don't open the AQUAPIX anywhere where its interior will be subjected to sprays or drips of water, high humidity, or sand. These may cause failure, ruin the waterproofing, or promote internal fungus growth.
- If you see smoke or sense an acrid smell coming from the AQUAPIX, immediately turn off the power and remove the battery from the AQUAPIX. Return the AQUAPIX to your dealer for repair.
- When attaching the AQUAPIX to a power source or other equipment, be careful where you put the cables. Tripping over the AC adapter, AV cable, USB cable, or other cable may pull the AQUAPIX to the floor and may injure you.
- Don't block air circulation around the AQUAPIX when using or recharging it—by putting a blanket over it, for example. It may block heat dispersion and deform the AQUAPIX's frame or cause a fire.
- Be careful when touching the AQUAPIX or its AC adapter after recharging for a long period of time. They may get hot enough to burn you.
- Don't apply petroleum solvents such as alcohol or paint thinner to the AQUAPIX. They may deform or damage the AQUAPIX.
- Don't drop or hit the AQUAPIX. It may break or damage the AQUAPIX.
- The AQUAPIX may not work correctly in places where high intensity radio waves or electromagnetic waves are present.
- Don't swing the AQUAPIX around by its strap. It may hit something or fall.

Disclaimers

- ◎ Misusing the AQUAPIX voids the warranty.
- ◎ In no event will Sea & Sea be liable for any direct or indirect damage arising out of the use or failure of the AQUAPIX. Sea & Sea will not provide compensation for lost images lost or expenses incurred.
- ◎ In no event will Sea & Sea be liable for any damage to data resulting from the use of the AQUAPIX.

If you have any questions regarding, Mr. Photo, Image Folio or Video Works which are included on the enclosed CD-ROM with your DX-3100 AQUAPIX, please contact the technical support locations listed below.

Taiwan (Headquarters)

NewSoft Technology Corp.
3F, No. 19-3 Sanchong Road Nankang, Taipei, Taiwan
 contacttw@newsoft.com.tw
 WWW.newsoft.com.tw

Germany

NewSoft Europe GmbH
 Stadthausbrücke 3, 20355 Hamburg, Germany
 contact@newsoft.eu.com
 http://www.newsoft.eu.com

United States

NewSoft American Inc.
 4113 Clipper Court, Fremont, CA 94538, USA
 contactus@newsoftinc.com

Japan

NewSoft Japan Corp.
 6-21-3 Shinbashi, Minato-ku, Tokyo 105-0004, Japan
 info@newsoft.co.jp
 www.newsoft.co.jp

China

NewSoft China
 Room 306, Haowei Building No.25, Beitaipinzhuang Road,
 Haidian District, Beijing, China
 contact@newsoft.net.cn
 http://www.newsoft.net.cn