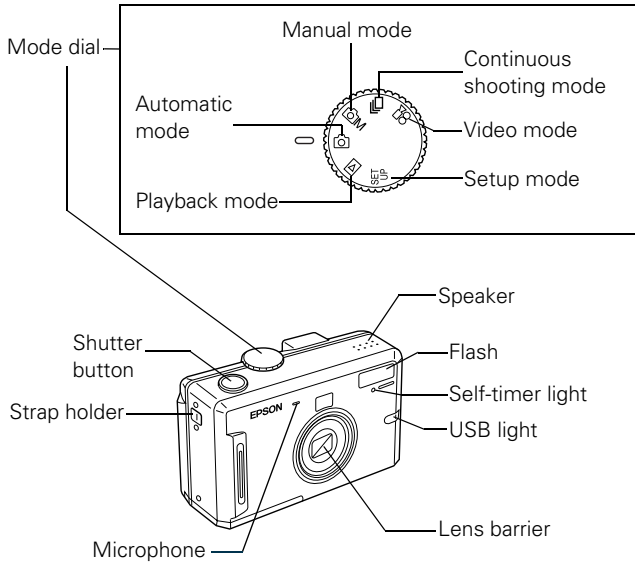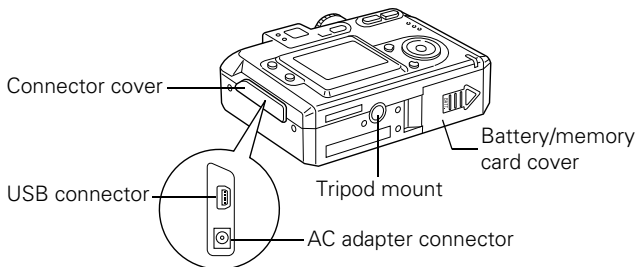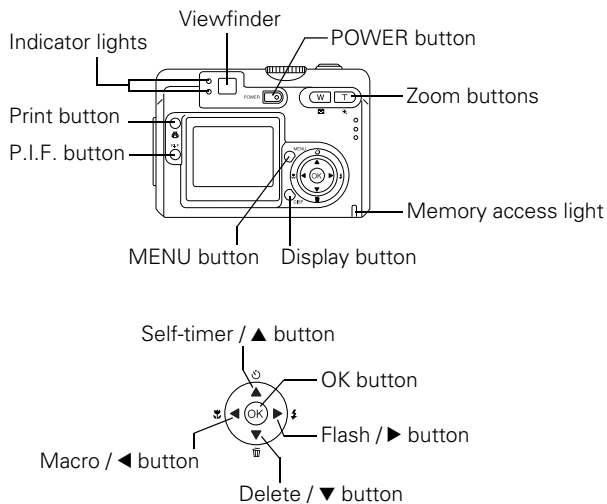## Camera Parts

Front/top view

Bottom/rear view

Back view

Accessory

An AC adapter (part number B867062) is available. To order the adapter, contact your dealer or call Epson at (800) 873-7766 or visit the Epson Store℠ at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Camera Specifications

Physical Dimensions

Width	2.44 inches (61.9 mm)
Height	3.64 inches (92.4 mm)
Depth	1.24 inches (31.5 mm)
Weight	Approx. 5.37 oz.(152.2 g)

Power

Sources	One CR-V3 battery (included)
	Also accepts two AA alkaline, NiCad, lithium or NiMH batteries, including rechargeables
External	Optional AC adapter (B867062)

Technical

Effective pixels	4.07 megapixels
Image recording capacity	Still picture: 2304 × 1728 pixels
	Video: 640 × 480 pixels
Image file type	JPEG (EXIF 2.2), AVI
Camera file system	DCF file format, DPOF 1.1
Internal memory	16MB
Interface	Full-speed USB 2.0 (Mass Storage Class)
Electrical	Input voltage: DC 3.4V

Safety

United States	FCC Part 15 Subpart B Class B
Canada	CSA C108.8 Class B

Environmental

Temperature

Operating	41 to 95 °F (5 to 35 °C)
Storage*	–4 to 140 °F (–20 to 60 °C)

Photographic

|	
Lens	Focal length: f=5.6 to 16.8 mm (equivalent to a 34 to 102 mm lens on a 35mm camera)
	Aperture: F2.8-F4.9
	Zoom: Collapsible mount 3× zoom
Digital zoom	2× or 3× zoom (maximum 9× zoom with simultaneous use of the optical zoom)
Focus mode	Auto focus
Auto-focus range	Normal: 20 inches to infinity Macro: 4.33 to 19.69 inches
Shutter speed	Auto/Flash on: 1/30 to 1/2000 second Flash off: 1/2 to 1/2000 second Slow synchro: 1 to 1/2000 second
White balance	TTL auto white balance (auto/daylight/cloudy/incandescent/fluorescent/mercury)
Sensitivity	Auto/fixed (equivalent to ISO 100/200/400)
Viewfinder	Real-image optical view
Flash	Auto/flash off/red-eye reduction/fill-in flash/slow synchro
Self-timer	2 seconds/10 seconds
Photography mode	Normal/portrait/landscape/macro
LCD monitor	1.5-inch low temperature polysilicon TFT color LCD monitor

Installing the Battery

The Epson PhotoPC L-410 accepts the CR-V3 battery included with the camera as well as AA alkaline, NiCad, or NiMH batteries, including rechargeables.
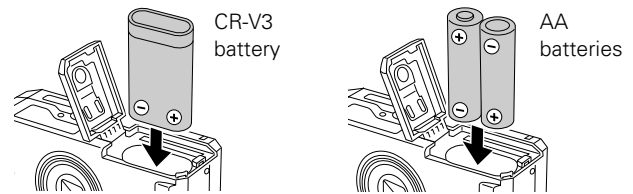
Follow these steps to install the batteries:

1. Turn the camera upside down.

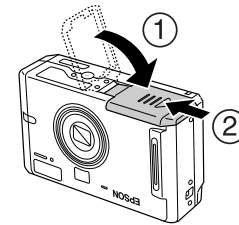2. Slide the battery cover until it pops up as shown:
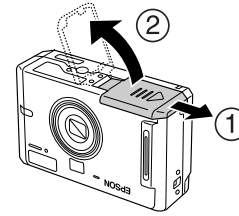
3. Insert the battery into the compartment, positioning the + and - ends as shown:

Note: You can use either a CR-V3 battery, like the one included with the camera, or two AA batteries.
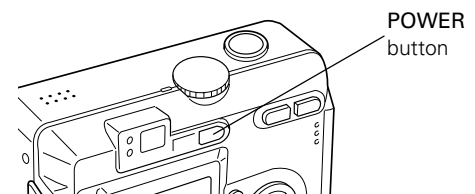
4. Press down on the battery cover and slide it back into place.

Turning Your Camera On and Off

To turn on the camera, press the POWER button.

To turn off your camera, press the POWER button. The lens retracts and the lens cover closes.

Using Memory Cards

You can take pictures and save them in the camera without a memory card. However, you can store more pictures when you use a memory card. You can use either of the following types of cards:

❏ an SD™ card (Secure Digital) up to 512MB. (To shoot at the maximum speed, you need an SD memory card with a recording/transfer speed of 10MB/second.)

❏ an MM card (Multimedia, MMC V 2.1 or later) up to 512MB.

Caution: Make sure that the camera is turned off before installing or removing a memory card. Make sure that you insert the card in the correct orientation, or you may damage the camera as well as the card.

Taking and Viewing Photos

You can take several different types of photos with your camera, as described below:

❏ **Automatic photos:** Use automatically adjusted settings for great snapshots. All you have to do is point and shoot.

❏ **Manual photos:** Fine-tune your shots by adjusting a variety of camera settings, including resolution, exposure compensation, sensitivity, white balance, and more.

❏ **Continuous photos:** Capture a series of shots, up to 3 photos per second.

❏ **Videos:** Record videos with sound. The length of the video is limited only by the amount of storage you have.

❏ **PRINT Image Framer® (PIF) photos:** Take photos with fun frames for holidays and special occasions.

Taking Photos in Automatic Mode

The automatic photography mode lets you capture high-resolution images without making any complicated settings. You can use the zoom buttons to move in closer to your subject and/or set the flash for indoor or low-light photographs.

In automatic mode, images are captured at a resolution of 2304 × 1728 pixels (N2304). If you want to change this setting, use manual mode as described in the next section.

Note: You can also use the macro and/or self-timer features in automatic mode. For instructions, see the on-screen *User's Guide.*

Before you start, make sure the batteries are installed and the camera is turned on as described on page 2.

1. Turn the Mode dial to ⬜ Automatic.

2. Make sure you are at least 20 inches (50 cm) away from your subject.

   ❏ To zoom in on your subject, press the ⊕ T (telephoto) button.

   ❏ To zoom out, press the ⬜ W (wide-angle) button.

3. Center your subject in the middle of the square focus frame on the screen.

   The default flash setting is automatic, indicated by the icon on the LCD screen. The flash will go off automatically whenever necessary.

   If you want to change the flash setting, press the ▶ button. See page 4 for a list of flash settings.

4. Press and hold the shutter button halfway. The focus frame turns green and the focus is set. If you want to reframe your picture, move the camera until the photo you want appears on the screen.

5. Press the shutter button all the way down. The camera beeps as it captures the image.

Note: The LCD screen may turn off to save battery power after you take a picture. Press any button or turn the Mode dial to turn the screen back on.

Taking Photos in Manual Mode

If you are an advanced photographer, you may want to use manual mode. This allows you to select the quality (resolution), white balance, light sensitivity, and exposure compensation. You can also select special scene modes for portraits or landscape photos, or turn the LCD screen off to save battery power.
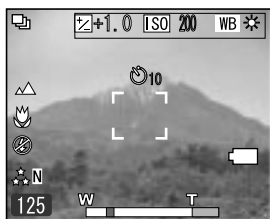
Before you start, make sure the batteries are installed and the camera is turned on, as described on page 2.

1. Turn the Mode dial to ⬜M Manual.

   If you want to turn the LCD screen off to save battery power, press the **DISP** button twice. You will have to use the viewfinder instead of the screen to frame your shot.

2. If you want to adjust the quality (resolution) or other settings, press the **MENU** button. See page 4 for a list of available settings. For more information, see the on-screen *User's Guide*.

3. Make sure you are at least 20 inches (50 cm) away from your subject.

    ❏ To zoom in on your subject, press the ⊕ T (telephoto) button.

    ❏ To zoom out, press the ⊞ W (wide-angle) button.

4. Center your subject in the middle of the square focus frame on the screen.

    The default flash setting is automatic, indicated by the A⚡ icon on the LCD screen. The flash will go off automatically whenever necessary.

    If you want to change the flash setting, press the ▶⚡ button. See the list of flash settings in the next column.

5. Press and hold the shutter button halfway. The focus frame turns green and the focus is set. If you want to reframe your picture, move the camera until the photo you want appears on the screen.

6. Press the shutter button all the way down. The camera beeps as it captures the image.

Note: The LCD screen may turn off to save battery power after you take a picture. Press any button or turn the Mode dial to turn the screen back on.

Camera Settings

Camera settings are displayed on the LCD screen. Press the DISP button to turn the display on or off.

Settings and Icons

| Self-timer	⏱₂ (2 seconds), ⏱₁₀ (10 seconds)
Focus frame	Place your subject within the focus frame. When you press the shutter button halfway, the focus frame turns green.
Battery life	🔋 Displays for a few seconds to indicate battery is full, half-full, or empty
Zoom bar	The digital zoom indicator appears when ⊞ W or ⊕ T is pressed.
Scene mode	⛰ Landscape mode, 👤 Portrait mode
Exposure compensation	🖼 (+2.0 to -2.0)
Sensitivity	ISO (Auto, 100, 200, 400)
White balance	WB (Auto, ☀Daylight, ☁ Cloudy, 💡 Incandescent, 🔆 Fluorescent, ⚗ Mercury)
Quality	📷 F2304, 📷 F1600, 📷 F640, 📷 N2304, 📷 N1600, 📷 N640
Macro mode	🌷 Macro
Flash	A⚡ Auto-flash, ⊘ Flash off, 👁 Auto red-eye reduction, ⚡ Fill-in flash, s⚡ Slow synchro
Shooting mode	📇 Continuous shooting mode, 🎬 Video mode
Photos left	125 (for example)
Warning	📳 Camera shake

Taking Photos With Fun Frames

You can use P.I.F. (PRINT Image Framer®) to take pictures with a variety of frames for holidays and special occasions.

Frames are already stored in your camera, and additional frames are copied to your computer when you install the camera software. You can use the PRINT Image Framer Tool to copy the frames from your computer to the camera.

You can also modify the frames or create original frames using PIF Designer. See the *Camera Basics* manual for instructions on installing the software.

To take a picture with a frame:

1. Turn the Mode dial to ⬚ Automatic or ⬚M Manual.

2. Press the ⬤ P.I.F. button. The first frame stored in the camera is displayed.

3. If you want to select a frame stored on the memory card, press the ▶ button after pressing the ⬤ P.I.F. button.

4. Select the frame you want by using the ▲ ▼ buttons, then press the OK button. The selected frame is displayed on the LCD screen.

5. Most frames are available in both horizontal and vertical designs. Make sure you choose the right orientation for the picture you want to take.

6. Press the ⊕ T (telephoto) button to zoom in on your subject if necessary.

7. Center your subject in the frame.

8. Press and hold the shutter button halfway. The focus frame turns green and the focus is set.

9. Press the shutter button all the way down. The camera beeps as it captures your picture.

You can now print your framed picture directly from the camera on supported Epson printers. For instructions on printing from the camera, see the next column.

Note: You can also add or change a frame on an existing picture in your camera. See the *Camera Basics* manual for instructions.

Playing Back Photos and Videos

You can play back your pictures and videos on the camera's LCD screen. You can also delete any photos you don't want to save.

1. Turn the Mode dial to ▷ Playback. The last photo you took is displayed.

   ❏ To view the next photo, press the ▶ button. Hold the ▶ button down to fast-forward.

   ❏ To zoom in on a photo, press the ⊕ T (telephoto) button. To pan over to another part of the image, press the ▲ ▼ ◀ ▶ buttons. Press the ⬚ W (wide-angle) button to zoom out.

   ❏ To play a video, press the OK button. (The 📷 icon appears on video images.) To stop the video, press the ◀ button.

2. To view 6 photos at once, press the ⬚ W (wide-angle) button.

   ❏ To select a photo, press the ▲ ▼ ◀ ▶ buttons.

   ❏ To view the selected photo with the full screen, press the ⊕ T (telephoto) button.

Printing Photos

You can print all the photos in the camera, or select the ones you want to print.

Images with P.I.F. frames must be printed directly from the camera or from supported Epson printers, including the Epson Stylus® R300 and PictureMate.™ The Epson PhotoPC L-410 is equipped with PRINT Image Matching® to ensure that best possible prints without a computer.

Before you start, make sure your printer is set up and has ink installed. Load 4 × 6 inch Epson Premium Glossy Paper, following the instructions that came with your printer.

Connecting the Camera to Your Printer

Make sure the camera is turned off before you begin.

You can conserve battery power by using the optional AC adapter when you print from the camera. See the *User's Guide* on your computer for instructions.

1. Locate the correct cable for your printer, as described in the *Camera Basics* manual.

2. Connect the large end of the cable to the correct port on your printer.

   ❏ On the Epson Stylus Photo R200, shown below, the port is labeled USB.
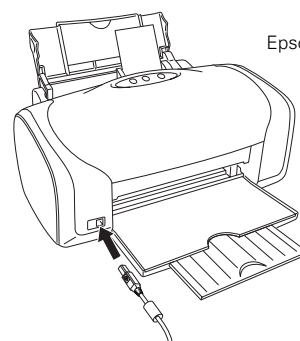
Epson Stylus Photo R200

   ❏ On the other supported printers listed in the *Camera Basics* manual, the port is labeled EXT I/F.

3. Open the connector cover on the side of the camera and plug the small end of the cable into the camera's USB port as shown.
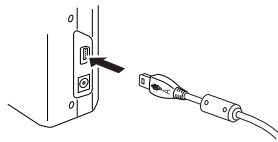
Connection for the
Epson Stylus Photo R200

Connection for other
supported Epson printers

4. Turn on the camera.

Printing the Photo Displayed on the Screen

1. Connect the camera to the printer as described in the "Printing Your Photos" section of *Camera Basics* and turn on the camera.

2. Turn the Mode dial to ▷ Playback and use the ◀▶ buttons to display the photo you want to print.

3. Press the ⊕ button. The Print menu is displayed.

4. Press the OK button to select Print This Image.

5. If you want to print just one copy, go to step 7.

6. If you want to print more than one copy, press the OK button and use the ▲ button to select the number of copies you want. Then press OK.
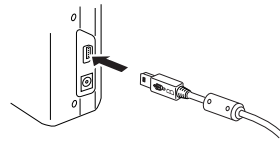
7. Press the ▼ button to select Print Settings, then press OK.

8. Press the ▶ button to select Paper Type, then press the ▼ button to select 4 × 6in.Prem.Glossy and press OK.

9. If you want to print a photo with borders, turn off the date stamp, or change other settings, see the next column.

10. Press the ⊕ button to start printing. When printing is complete, press the OK button.

> **Note:** If you need to cancel printing, press the MENU button.

Printing All Your Saved Photos

You can print all photos stored in the camera or on the memory card.

1. Connect the camera to the printer as described in the "Printing Your Photos" section of *Camera Basics* and turn on the camera.

2. Turn the Mode dial to ▷ Playback, then press the ⊕ button.

3. Select Print All Images by using the ▲ ▼ buttons, then press the OK button.

4. If you want to print more than one copy of each picture, press the OK button and use the ▲ button to select the number of copies you want. Then press OK.

5. Make sure the paper type is set to 4 × 6in. Prem. Glossy. If you want to turn off the date stamp or change other settings, consult the next section.

6. Press the ⊕ button to start printing. When printing is complete, press the OK button.

Printing Selected Photos

You can select individual photos to print.

1. Connect the camera to the printer as described in *Camera Basics* and turn on the camera.

2. Turn the Mode dial to ▷ Playback, then press the ⊕ button.

3. Choose Select Images by using the ▲ ▼ buttons, then press the OK button.

4. Select the photos to print by using the ◀▶ buttons, then select the number of copies by using the ▲ ▼ buttons.

5. Press the ⊕ button.

6. Make sure the paper type is set to 4 × 6in. Prem. Glossy. To change settings, consult the next section.

7. Press the ⊕ button to start printing. When printing is complete, press the OK button.

Making Print Settings

You can make the following settings when printing images directly from the camera:

❏ Printing with or without borders (borderless)

❏ Printing the date (not available with frames)

❏ Printing with normal or high quality

Note: You can also set the paper type to choose 4 × 6 inch or 10 ×15 cm paper. Make sure you change this setting to 4 × 6in. Once you change it, the camera will retain this setting. The paper size 10 × 15 cm is not available in the U.S.

1. On the preview screen, select Print Settings by using the ▲ ▼ buttons, and then press the OK button.

2. Select the item to set by using the ▲ ▼ buttons, then press the OK button.

3. Select the setting by using the ▲ ▼ buttons, then press the OK button.

Related Documentation

CPD-18422   Epson PhotoPC L-410 *Camera Basics*

CPD-18421   Epson PhotoPC L-410 CD-ROM with
                 electronic *User's Guide*