

Nikon CoolPix P6000



Using the Camera

Getting Started

1. Inserting the battery:
 - a. Open the battery-chamber/memory card slot cover at the bottom of the camera on the right side if you are looking at the screen.
 - b. Insert the rechargeable Li-ion Battery EN-EL5 that is provided with the camera. Make sure that the positive and negative sides are lined up correctly. Use the battery to push the orange battery latch up as the battery is inserted. The latch raises back into place when the battery is fully inserted. Once the battery is inserted close the battery-chamber/ memory card slot cover.
 - i. Before you do so make sure that the battery is charged. To charge the camera follow these steps:

1. Your camera should come with a power cable and AC adapter. Connect the two cords.
2. Confirm that the power-on lamp and the monitor are off. You cannot charge the camera while the power is on.
3. Connect the AC adapter to the camera's DC input connector on the right side of the camera if you are looking at the screen. The DC input connector is behind a little cover that says DC IN and A/V OUT on it.
4. Plug the power cable into an outlet.
5. The battery will begin charging. The power-on lamp and AF lamp will blink, and the battery will start charging. The power-on lamp and AF lamp will stop blinking when charging is complete. This process can take up to 3 hours.

2. Inserting the Memory Card

- a. Make sure that the power is off.
- b. Open the battery-chamber/memory card slot cover at the bottom of the camera on the right side if you are looking at the screen.
- c. Insert your memory card with the front of the memory card (the side with writing on it) pointing towards the screen. When it is properly inserted you should hear a clicking sound. This means that it is locked in place.
- d. If you need to take the memory card out, just push it down to eject.
- e. If a message that says, "Card is not formatted. Format Card?" appears follow these steps.
 - i. This message means that the memory card must be formatted before use. Formatting the card permanently deletes all pictures and other data on the memory card. Be sure to make copies of any information stored on the card before you format the card.
 - ii. Once you have backed up the information scroll down using the button below OK to select Yes. Click OK.
 1. Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete.

3. Turning on and off the Camera.

- a. Press the power switch on the top of the camera. It is located to the right if you are looking at the screen. The power –on lamp will flicker and the monitor will turn on. To turn off the camera, press the power switch again. When the camera turns off, both the power-on lamp and monitor will turn off.

4. Setting Display Language, Date, and Time
 - a. Turn the Camera On.
 - b. Hit the Menu button to the lower left of the display screen.
 - c. Hit the button to the left of the OK button. You are now in the category Network Settings. Hit the button below the OK button with MF on it to scroll down you are now in the Playback menu. Scroll down again to get to the Set Up menu. Click OK to enter the Set Up menu
 - d. Scroll up and down using the buttons above and below the OK button. Find Date and click OK. To edit the time and date click the button to the right of the OK button. Use the buttons above and below OK to edit the month, day, year, etc. Use the buttons to the left and right of OK to scroll between the month, day, year, etc. Hit ok after you edit. Keep on hitting OK when you are satisfied until you get back to the Set Up menu.
 - e. To edit the language go back to the Set Up menu and scroll down until you find Language. Select using OK. You can scroll around to select different languages using up, down, left, and right of OK. When you find the proper language hit OK. It will now take you back to the Set Up Menu.

Basic Use

5. Turn the camera on
6. Set the Camera to auto mode by using the wheel to the left of the On and Off button. Auto mode is the green camera with a circle in the middle.
7. Check the battery level and number of pictures remaining.
 - a. The battery level indicator appears in the upper right of the screen.
 - b. The number of pictures remaining appears in the lower right of the screen.
8. When the camera is in auto mode the following indicators should appear on the screen.
 - a. A camera with a circle in the middle on the upper left of the screen. This indicates that the camera is in auto mode.
 - b. VR in the upper right to indicate that vibration reduction is on.
 - c. The shutter speed appears as a fraction on the bottom of the screen in the middle.
 - d. Image quality appears above the number of pictures remaining on the bottom right of the screen.
9. Now you are ready to take a picture.

- a. Hold the camera like you would hold any other camera.
- b. You can zoom in and out using the button to the upper left of the ON/OFF switch when facing the screen.
 - i. To zoom in push it to the right.
 - ii. To zoom out push it to the left.
 - iii. Find the proper zoom.
- c. Focus and Shoot
 - i. Press the shutter-release button (the button on top of the zoom on the upper left of the ON/OFF button) halfway.
 - 1. The camera automatically focuses on the subject in the center focus area. When the subject is in focus, the focus area will glow green, and the green AF lamp next to the viewfinder will light.
 - 2. When digital zoom (extreme zoom when the zoom turns yellow) is in effect, and the subject is in focus, the AF lamp will glow green. The focus area is not displayed.
 - 3. When the camera is unable to focus, the focus area will blink in red or the AF lamp will flicker when the shutter release button is pressed halfway. Change the composition and press the shutter-release button halfway again.
 - ii. Press the shutter-release button down the rest of the way.
 - iii. You have now taken a simple picture, congratulations.

10. Viewing and Deleting Pictures

- a. Viewing Pictures
 - i. Press the play button on the left of the screen. It is the second button from the bottom with a giant play button on it.
 - ii. The last picture taken will appear on the screen.
 - iii. To scroll through the pictures use the buttons to the left and right of the OK button.
- b. Deleting Pictures
 - i. Select the picture you want to delete by viewing it.
 - ii. Hit the delete button, which is the trashcan to the right of the screen. It is below the OK button.

- iii. On the screen it will ask Erase image?
 - 1. Scroll down and select yes.
 - 2. Click OK. The image has now been deleted.

Using the GPS

This is central to your mapping project. Using the GPS feature on the camera will allow you to geotag photos without the aid of independent GPS trackers.

11. Using the GPS

- a. Rotate the mode dial on the top of the camera to GPS mode.
 - i. Do so once you are in an open space when starting to receive signals from GPS satellites.
 - ii. The GPS signal status display screen is displayed.
 - iii. When using the GPS make sure that the camera's date and time are correctly set.
- b. Press the Menu button to display the GPS menu.
 - i. Choose record GPS data. Click OK. Use the up and down scroll to select ON. Click OK again. You will be taken back to the GPS menu and next to Record GPS data it should say ON.
 - 1. Signals are received from the GPS satellites and positioning begins.
 - 2. Several minutes may be required to obtain the positional information if setting Record GPS data to ON for the first time, or about two hours have passed since obtaining the last positioning information.
 - 3. When Record GPS data is on, GPS data will be recorded even if the power is turned off, and positioning will be done every 90 minutes for six times. Because the camera is operating even when the power is off, this can drain the battery.
 - ii. Press the menu button again. Having the accurate time and date is integral to properly using GPS. You can synchronize the time and date using the GPS satellites.
 - 1. Scroll down to synchronize.
 - 2. Select Yes.

3. The satellites will now set the time and date of your camera.
- iii. Press the Menu button again
 1. This returns to the GPS signal status display screen.
 2. Check the positioning status before shooting.
- c. Before taking a picture, check the GPS status.
 - i. When camera is on, GPS data is recorded every 5 seconds. However, GPS data will not be updated when the zoom control and any dials are operated, or when any button is pressed.
 - ii. Check the positioning status before shooting to make sure that the GPS is working.
 1. Put the dial back into the GPS setting. GPS information will appear.
 2. To check the signal strength look at the number and color of satellites below the words Signal Strength in the upper left of the screen.
 - a. 3 White satellites: the camera is receiving signals from 4 or more satellites to determine position. Positional information will be recorded onto the picture.
 - b. 2 White satellites: the camera is receiving signals from 3 satellites to determine position. Positional information will be recorded onto the picture.
 - c. 1 Red satellite: Positioning has not been possible for a period of time more than the valid storage period. Positional information will not be recorded.
 3. To check your location see the longitude and latitude coordinates given below Position on the lower left of the screen.
 4. To check the time since the last GPS recording see the time elapsed in the top right of the screen.
 5. To check the position of satellites and signal status see the circular grid on the right of the screen. The strength of signal is indicated by color. Gray is the weakest, then yellow, and blue is the strongest.
 - iii. When in the following areas you may have trouble receiving GPS data:
 1. Inside buildings, especially the basement.

2. Between high-rise buildings.
 3. Under overpasses.
 4. Inside tunnels.
 5. Near high-voltage electrical power lines.
 6. Between clusters of trees.
 7. Also avoid:
 - a. Using a cell phone of 1.5 GHZ near the camera.
 - b. Carrying the camera in a metal bag.
- d. Take the picture.
- i. Switch the dial out of GPS mode into preferred picture mode.
 - ii. Point and shoot.
- e. To make sure that the picture you have taken has recorded GPS data:
- i. Press the play button to view photos and select the appropriate photo.
 - ii. If a white satellite appears to the right of the photo at a medium height, then the picture has GPS data attached to it.

More Advanced Camera Use

12. Using the Flash

- a. In dark locations or when the subject is backlit, you can shoot pictures with flash by raising the built-in flash.
 - i. The flash can be used when the subject is 1-20 ft. away when the camera is zoomed out and 1-10 ft. away when the subject is fully zoomed in.
- b. To use the flash follow these steps.
 - i. Press the flash button above the screen to the left. It looks like a lightning bolt next to a Pacman figure. This pops out the flash. To close the flash, gently push it down.
 - ii. Now press the flash button directly above the OK button to the right of the screen. This pops up the flash menu.
 - iii. Use the buttons above and below the OK button to scroll through the different flash modes. These are the following flash modes in order of appearance. Choose the desired mode and click OK.

1. Auto: flash fires automatically when lighting is poor.
2. Auto with red-eye reduction: reduces red-eye in portraits
3. Off: no flash
4. Fill Flash: Flash fires when a picture is shot. It illuminates shadows and backlit subjects.
5. Slow sync: fill flash is combined with slow shutter speed.
6. Rear-curtain sync: fill flash fires just before shutter closes, creating effect of a stream of light behind moving objects.

13. Choosing a Focus Mode

- a. To choose a focus press the button below the OK button with the image of the flower and MF on it. A focus menu with three options will appear. To scroll through the options use the same MF/flower button. Find the desired focus and press OK.
- b. The focus options are:
 - i. Auto focus: Camera automatically adjusts focus according to distance to subject.
 - ii. Macro Close-Up: Use for close-ups of flowers, insects, or small objects.
 - iii. Infinity: Use when shooting distant scenes through foreground objects such as windows or when shooting landscapes.

14. Shooting in Scene Mode

- a. Choose this mode for automatic adjustment of settings to suit the selected subject type, or use the voice recording option to record sound only.
- b. These are the possible options: Portrait, Landscape, Sports, Night portrait, Party/indoor, Beach/snow, Sunset, Dusk/dawn, Night landscape, Close-up, Museum, Fireworks show, Cop, Backlight, Panorama assist, and Voice recording.
- c. To select a specific scene:
 - i. Rotate the top dial to the left of ON/OFF on the top of the camera to Scene. The word Scene is printed on the top of the dial.
 - ii. Press the Menu button to display the scene menu screen.
 - iii. Scroll up and down the menu using the buttons above and below the OK button. When the desired scene is selected press the OK button.
- d. Take a picture in that particular scene mode.

15. Shooting in Different Exposure Modes.

- a. To change the exposure mode rotate the top dial to either P, S, A, or M.
- b. Here is a brief description of the following modes:
 - i. P: Programmed Auto:
 1. Camera sets shutter speed and aperture for optimal exposure.
 2. Recommended for most situations.
 - ii. S: Shutter-priority Auto:
 1. Camera selects aperture according to the shutter speed set for best results.
 2. Recommended for fast moving subjects, or for emphasis on the movements of a moving object using a slow shutter speed.
 - iii. A: Aperture-priority Auto:
 1. Camera selects shutter speed according to the aperture set for best results.
 2. Use to blur background or bring both foreground and background into focus.
 - iv. Manual
 1. User controls both shutter speed and aperture.
 2. Use to control exposure according to shooting requirements.

Connecting the Camera to the Computer

1. Turn the camera on.
2. Connect the USB connection cable to the USB port or the USB hub of the PC.
3. Connect a USB cable to the connection port on the side of the camera.
4. Go to My Computer and Open the Drive in which the Device appears.
5. You should be able to access the photos.
6. Please upload the photos using the instructions for [Picasa](#).