

Confirm selection (to return to step 1 and change selection, press **MENU** button).



Start printing. PictBridge menu is displayed when printing is complete.\*

\* Press **OK** again to cancel before printing is complete.

## Creating a DPOF Print Order: Print Set

The **Print set** option in the playback menu (📷 67) is used to create digital “print orders” for printing on DPOF-compatible devices (📷 86). Selecting **Print set** displays the menu shown in Step 1.

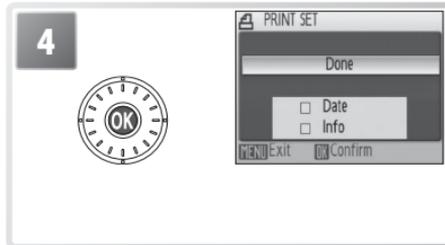


Highlight **Print Selected**.



Display selection dialog.

\* To delete current print order, highlight **Delete Print Set** and press **OK**.



Highlight option and press **OK**:

- **Date**: Print date of recording on all pictures in print order.
- **Info**: Print shutter speed and aperture on all pictures in print order.
- **Done**: Complete print order and exit. Pictures in print order are shown by icon during playback (📷 6–7).

### 📷 Print Set

**Date** and **Info** are reset each time the menu shown Step 4 is displayed. **Info** is not printed when the camera is connected directly to the printer.

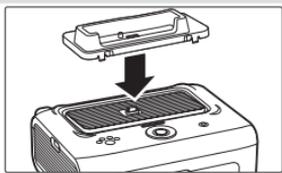
## ImageLink

Use the supplied PV-10 dock insert to print pictures on an ImageLink printer (86). See the printer manual for details.

- 1 Attach the dock insert to the printer.



**PTP** (the default option) must be selected for **Interface > USB** in the camera setup menu before the camera can be connected to a printer.

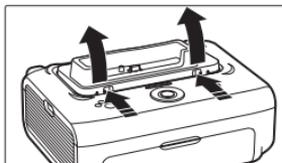


- 2 Turn the camera off and attach it to the dock insert. The camera will turn on automatically.



- 3 Print pictures as described in the printer manual.

To remove the dock insert, place your thumbs where indicated, press, and lift.



## ImageLink

The monitor will turn off automatically if no operations are performed for about one minute while the camera is connected to an ImageLink printer. If no operations are performed for another seven minutes, the camera will turn off.

If the printer does not support the language selected in the camera setup menu, menus will be displayed in English.

## Wireless Transfer and Printing

Using the camera's built-in IEEE 802.11b/g wireless transmitter, you can:

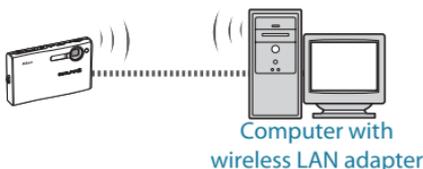
- Transmit pictures to a computer for storage and editing (📷 00–00)
- Save pictures directly to the computer hard disk as they are taken (📷 00)
- Print pictures on a printer connected to a wireless network (📷 00)

To prevent the camera from turning off unexpectedly during transmission, use the supplied AC adapter.

### Connecting to a Wireless Network

Wireless transfer and printing requires a wireless local-area network (LAN) compatible with the IEEE 802.11b/g standard. The network can consist of the camera in peer-to-peer communication with a single computer equipped with a wireless LAN adapter (ad-hoc mode) or of a camera connected to a wireless network via a wireless LAN access point (infrastructure mode).

#### Ad-hoc (peer-to-peer) network



#### Infrastructure network



Wireless transfer is available with computers running Windows XP Home Edition/Windows XP Professional Service Pack 1 or later (Service Pack 2 or later recommended) or Mac OS X version 10.3 or later. To configure the camera for use with the wireless network, you will also need the Wireless Camera Setup Utility, which is installed with Picture Project; see the *Quick Start Guide* and the *PictureProject Reference Manual* (on CD) for installation instructions.

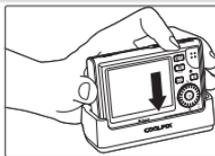
## Configuring the Camera for Connection

Before the camera can be used as part of a wireless network, network settings must be copied to the camera using the Wireless Camera Setup Utility. Follow the steps below to prepare the camera for connection to the computer.

- 1 Set the **Interface > USB** option in the setup menu to **PTP**  00) and turn the camera off.



- 2 Place the camera in the COOL-STATION.



See pages 00–00 for information on using the Wireless Camera Setup Utility for Windows. Instructions for Macintosh users may be found on pages 00–00.

### Windows

- 1 Turn the computer on and select **All Programs > Nikon > Wireless Camera Setup Utility** from the **Start** menu. The dialog shown at right will be displayed; click **Next**.



### If the Wireless Camera Setup Utility Is Not Installed

If the Wireless Camera Setup Utility is not already installed, insert the yellow installer CD supplied with the camera in a CD-ROM drive and start the installer as described in the *Quick Start Guide*. In the "Install Center" window, click **Wireless Camera Setup Utility**. The Wireless Camera Setup Utility will start automatically when installation is complete. The "Profiles" and "Wireless Printing" tabs are not available during the initial installation run.

2 Confirm that the computer is equipped for wireless LAN and click **Next**.

3 Follow the on-screen instructions to describe your wireless LAN setup. The Wireless Camera Setup Utility will determine the information required to configure the camera based on the type of wireless device used and whether the network is infrastructure or ad-hoc.

4 The dialog shown at right will be displayed. Connect the COOL-STATION to the computer using the supplied USB cable. Place the camera in the COOL-STATION and turn the camera on, then click **Next** to proceed to the next step.



5 Enter a profile name and choose the icon that will appear in the camera profile list (00). Click **Next** to proceed. Depending on the options selected in Step 3, the dialog shown in Step 6 may be displayed. If it is not displayed, proceed to Step 8.

6 Enter wireless network settings (8 00). Do not edit fields that are completed automatically (depending on the options selected in Step 3, it may only be necessary to provide a security key). Click **Next** to proceed. If the dialog shown in Step 7 is not displayed, proceed to Step 8.

7 Enter TCP/IP settings (8 00) and click **Next**.

8 If desired, select the printer that will be used for wireless printing with this profile (8 00) and enter an appropriate name. Click **Next** to proceed.

9 Click **Finish**, then turn the camera off and disconnect the COOL-STATION.

- 1 Open the “Applications:Nikon Software:Wireless Camera Setup Utility” folder and double-click the **Wireless Camera Setup Utility** icon. The dialog shown at right will be displayed; click **Next**.



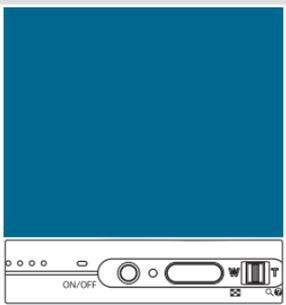
- 2 Confirm that the computer is equipped for wireless LAN and click **Next**.



- 3 Follow the on-screen instructions to describe your wireless LAN setup. The Wireless Camera Setup Utility will determine the information required to configure the camera based on the type of wireless device used and whether the network is infrastructure or ad-hoc.



- 4 The dialog shown at right will be displayed. Connect the COOL-STATION to the computer using the supplied USB cable. Place the camera in the COOL-STATION and turn the camera on, then click **Next** to proceed to the next step.



5 Enter a profile name and choose the icon that will appear in the camera profile list (00). Click **Next** to proceed.

6 Enter wireless network settings (00). Do not edit fields that are completed automatically.

7 Enter TCP/IP settings (00) and click **Next**.

8 If desired, select the printer that will be used for wireless printing with this profile (00) and enter an appropriate name. Click **Next** to proceed.

9 Click **Finish**, then turn the camera off and disconnect the COOL-STATION.

## Wireless Network Settings (Windows and Macintosh)

The Wireless Camera Setup Utility may require information on some or all of the following wireless network settings:

Item	Description
<b>Network name (SSID)</b> (required)	The name of the wireless network. Note that the camera will connect only to the device selected in the profile list (00), even if another network exists with the same SS-ID.
<b>Type</b> (required)	<ul style="list-style-type: none"><li>• <b>Ad-hoc:</b> The network is ad-hoc if it consists of the camera and a computer with a built-in wireless or a wireless LAN adapter.</li><li>• <b>Infrastructure:</b> Infrastructure networks include a wireless access point connected to a local-area network.</li></ul>
<b>Channel</b>	The channel used by the computer for peer-to-peer wireless communication (ad-hoc networks only).
<b>Authentication</b>	The type of authentication used by the computer or access point. The camera supports WP-PSK (infrastructure mode only), open system, and shared key authentication.
<b>Data encryption</b>	The type of encryption (if any) used on the network. Depending on the authentication used, the camera supports the following types of encryption: <ul style="list-style-type: none"><li>• <b>Open system:</b> none, WEP</li><li>• <b>Shared key:</b> WEP</li><li>• <b>WP-PSK:</b> TKIP</li></ul>
<b>Key type</b>	If the network uses WEP encryption, note whether the key is base 16 or ASCII.
<b>Network key</b>	If the network uses TKIP or WEP encryption, note the network key.
<b>Key index</b>	In infrastructure networks that use WEP encryption, note the access point key index. The default index is 1.
<b>Address type</b> (required)	Note whether the network is configured to supply IP address automatically or manually.
<b>IP address</b>	If the network is configured for manual IP addresses, note the IP address that will be assigned to the camera.

### MAC Address Filtering

If the wireless network uses MAC address filtering, you will need to supply the filter with the camera's MAC address. Choose **Firmware version** from the camera setup menu and note the camera MAC address.

### Port Numbers

The camera uses UDP port 5353 and TCP port 15740. If you are using a firewall, you will need to configure it to leave these ports open.

## Profiles

A separate profile must be created for each network to which the camera is connected. In addition, the Wireless Camera Setup Utility must be installed on any computer to which pictures are transferred. The camera can store up to nine profiles for different computers or printers; before additional profiles can be created, existing profiles must be deleted. To view existing profiles, connect the camera and start the Wireless Camera Setup Utility as described on the preceding pages, and then select the “Profiles” tab. Profiles selected in the “Profiles” tab can be edited, renamed, or deleted using the **Details**, **Rename**, and **Delete** buttons.



## Connecting to the Network

After creating a network profile, you can connect to the network by selecting the profile from a list. Turn the camera on, select shooting mode, and follow the steps below:

<p><b>1</b></p>  <p>Display shooting mode menu (📺 00).</p>	<p><b>2</b></p>  <p>Highlight @.</p>
<p><b>3</b></p>  <p>Display profile list.</p>	<p><b>4</b></p>  <p>Highlight profile.*</p>
<p><b>5</b></p> 	<p>Select profile. If network profile is selected, wireless transfer menu shown at left will be displayed when connection is established. If printer profile is selected, wireless printer menu will be displayed (📺 00). To exit to profile list before connection is established, press ⏪ again.</p>

### @ Mode

While the camera is in @ (wireless) mode, data transmission will continue after the camera monitor turns off to save power (auto power off; 📺 00). Video output (📺 00) is suspended while the camera is in wireless mode.

### "Resume Interrupted Transfer"

If data transfer is interrupted due to signal loss or loss of power, the camera will display the message "Resume interrupted transfer?" the next time wireless mode is selected. Select **Yes** to resume transfer, **No** to exit to the profile list.

## Wireless Transfer

When a network profile is selected from the profile list (📷00), the menu shown at right will be displayed. Highlight an option and press the (OK) button. The message “Connecting to (profile name)” will be displayed while the camera connects. To exit to the profile list before a connection is established, press the (OK) button.



Item	Description
Easy Transfer	Transfer all new pictures. Pictures that have already been transferred will not be transferred again.
Shooting Date	Transfer all pictures taken on selected date(s). Once connection has been established, list of dates will be displayed with number of pictures taken on each date. Rotate rotary multi selector to highlight date, press to right to select. Selected dates are marked with @ icon. Press (OK) to transfer pictures on selected dates. Press rotary multi selector to left to exit without transferring pictures.
Marked Images	Transfer all pictures marked with 📷 icon (📷00).
Selected Images	Transfer selected pictures. Once connection has been established, dialog shown at right will be displayed. Rotate rotary multi selector left or right to scroll through pictures, press up to select picture at center of display for transfer. Selected pictures are marked with @ icon (to deselect, press rotary multi selector down). Press (OK) to begin transfer.
Shoot & Transfer	Transfer pictures to computer as they are taken (📷00).
PC Mode	Camera will display “Connected to (profile name).” If PictureProject is installed on destination computer, PictureProject Transfer will start. Click the Picture Project <b>Transfer</b> button to transfer pictures. If PictureProject is not installed, pictures can be copied to computer by drag and drop.

### 🔧 Unable to Connect/Connection Failed

If the camera is unable to connect or data transfer can not be established, an error message will be displayed. After ensuring that the wireless LAN adapter or access point is on and that network settings match those in the selected profile, select **Try Again** and press the (OK) button. Note that depending on the type of error, the **Try Again** option may not be available. To connect using a different profile, select **Choose Profile** and select the profile from the profile list.

During transfer, the camera will display the dialog shown at right, showing signal strength, the number of pictures transferred, the total number of pictures, and the transfer rate. Signal strength is indicated by the antenna icon at the top of the dialog, varying from “strong” (five bars) to “no signal” (antenna icon turns red). The signal can be improved by ensuring a clear line of sight between the camera antenna and the wireless LAN adapter or access point. To cancel transfer before the current picture has been transmitted, press the  button.



If PictureProject is installed on the destination computer, pictures will automatically be displayed in PictureProject after transfer. Pictures are saved to the directory selected in the PictureProject “Transfer Options” dialog. If PictureProject is not installed, pictures will be saved to the “PictureProject” folder in “My Pictures” (Windows) or “Pictures” (Macintosh), and the destination directory will be displayed in Windows Explorer (Windows) or the Finder (Macintosh).

When transfer is complete, the message shown at right will be displayed. Press the  button to return to the profile list. To exit wireless transfer mode, turn the camera off, press the  button to exit to shooting mode, or press the  button and select another playback mode.



### The Wireless Status LED 00

The camera wireless status LED shows data transfer status as follows:

- **LED blinks:** Camera searching for connection or in power-saving mode
- **LED on:** Connection established or data transfer in progress
- **LED off:** Not connected

### The Button

The  button can not be used to transfer pictures when the camera is in wireless mode. Use the options in the wireless transfer menu or the PictureProject **Transfer** button to transfer pictures.

### Memory Cards

Pictures can not be transferred when a locked (write-protected) memory card is inserted in the camera. Unlock the card before insertion.

## Saving Pictures Directly to the Computer: Shoot & Transfer

In **Shoot & Transfer** mode, the camera monitor will display the view through the lens. Pictures can be taken as though the camera were in  (auto) mode ( 00–00). All pictures shot in **Shoot & Transfer** mode are transferred directly to the computer as they are taken. To exit, press the rotary multi selector.

Note that because the rotary multi selector can not be used in **Shoot & Transfer** mode, camera settings must be adjusted before wireless mode is selected. The additional processing for advanced red-eye reduction is not performed ( 00).

Pressing the  button in **Shoot & Transfer** mode displays the following options:

Item	Description
<b>Confirm Transfer</b>	Select <b>On</b> to display confirmation message before picture is transferred.
<b>Save Images</b>	Select <b>On</b> to save a copy of each picture taken to internal memory or the camera memory card.
<b>Image Mode</b>	Choose an image mode (  00).

## Wireless Printing

If a printer profile is selected from the profile list ( 00), the camera will display the message “Connected to printer” followed by the wireless printing menu shown at right. Print pictures as described on pages 00–00. Note that pictures can not be printed if the printer is off.



### The PD-10 Wireless Printer Adapter

The PD-10 wireless printer adapter (available separately) can be connected to any printer with a type A (flat) USB connector, allowing direct wireless printing even when the printer is not connected to a network. To print pictures using the PD-10, press the camera  button when the profile list is displayed ( 00). For more information, consult the instructions provided with the PD-10.

## Menu Guide

This section describes the menus available for shooting, playback, and camera setup. See page 17 for information on using the menus.

### Shooting Options: The Shooting Menu

To display the shooting menu, select  mode ( 18) and press the  button. With the exception of **Image mode**, the following options are available only in  mode. Unless **Reset all** ( 76) is used to reset settings to their default values ( 87), settings in this menu will be restored the next time  mode is selected.

Option	Description	
 <b>SET-UP</b>	Display the setup menu.	70
 <b>Image mode</b>	Choose image size and quality.	61
 <b>White balance*</b>	Match white balance to the light source.	62
 <b>Exp. +/-</b>	Adjust exposure for very bright or very dark subjects.	63
 <b>Continuous*</b>	Take pictures one at a time or in a sequence.	63
 <b>BSS*</b>	Use BSS to choose the sharpest picture.	65
 <b>ISO Sensitivity</b>	Control camera's sensitivity to light.	65
 <b>Color options*</b>	Control color.	66
 <b>AF-area mode</b>	Choose where the camera focuses.	66

\* See the Appendix for information on restrictions that may apply to these settings ( 88).

### Image Mode

Pictures taken with a digital camera are recorded as image files. The size of the files, and with it the number of images that can be recorded ( 88), depends on the *size* and *quality* of the images (image mode). Before shooting, choose an image mode according to how you plan to use the picture.

Option	Size (pixels)	Description
 <b>High (2816*)</b>	2,816 × 2,112	Pictures are compressed less than <b>Normal</b> , producing higher quality images.
 <b>Normal (2816)</b>	2,816 × 2,112	Best choice in most situations.
 <b>Normal (2048)</b>	2,048 × 1,536	Smaller size allows more pictures to be stored.
 <b>PC screen (1024)</b>	1,024 × 768	Suited to computer display.
 <b>TV screen (640)</b>	640 × 480	Suited to e-mail or television viewing.

The current setting is shown by an icon in the display ( 6–7).

### Shooting Menu Settings

See the Appendix for information on shooting menu defaults ( 87).

## WB White Balance

Process pictures to produce natural colors under different types of light.

Option	Description
 <b>Auto</b>	White balance automatically adjusted to suit lighting conditions. Best choice in most situations.
 <b>White bal. preset</b>	Neutral-colored object used as reference to set white balance under unusual lighting conditions (see below).
 <b>Daylight</b>	White balance adjusted for direct sunlight.
 <b>Incandescent</b>	Use under incandescent lighting.
 <b>Fluorescent</b>	Use under most types of fluorescent lighting.
 <b>Cloudy</b>	Use when taking pictures under overcast skies.
 <b>Flash</b>	Use with the flash.

At settings other than **Auto**, the current setting is shown by an icon in the display  (6–7).

### Preset White Balance

Preset white balance is used with mixed lighting or to compensate for light sources with a strong color cast (for example, to make pictures taken under a lamp with a red shade look as though they had been taken under white light).

**1** Place white or gray reference object under lighting that will be used during shooting.

**2**



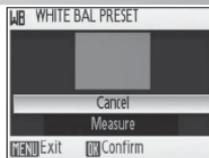
Highlight **White bal. preset**.



**3**



Camera zooms in.



**4**



Highlight **Measure**.\*



**5**

Frame reference object here

Frame reference object.



\* To restore most recent value for preset white balance, highlight **Cancel** and press 

### Preset White Balance

Preset white balance can not be measured with the flash.



Preset white balance set to new value.

## **Exp. +/-**

Exposure compensation is used to alter exposure from the value selected by the camera. Choose from values between  $-2.0\text{EV}$  and  $+2.0\text{EV}$  in increments of  $\frac{1}{3}\text{EV}$ . Negative values produce darker pictures, positive values brighter pictures. The effects can be previewed in the display; at settings other than zero, the current value for exposure compensation is also shown ( 6–7).

## **Continuous**

Capture a fleeting expression on a portrait subject, photograph a subject that is moving unpredictably, or capture motion in a series of pictures. At settings of **Continuous** and **Multi-shot 16**, the flash turns off and focus, exposure, and white balance are fixed at the values for the first picture in each series.

Option	Description
 <b>Single</b>	One shot is taken each time shutter-release button is pressed.
 <b>Continuous</b>	While shutter-release button is pressed, camera takes pictures at up to 2.2 frames per second (fps).
 <b>Multi-shot 16</b>	Each time shutter-release button is pressed, camera takes 16 shots at about 2 fps and arranges them in a single picture as shown at right. Image mode set to  <b>Normal (2816)</b> .
 <b>Intvl timer shooting</b>	Camera takes pictures automatically at specified interval (  64).



Except at **Single**, the current setting is shown by an icon in the display ( 6–7).

## Interval Timer Photography

To display the interval timer menu, highlight **Intvl timer shooting** in the CONTINUOUS menu ( 63) and press the **OK** button. To prevent unexpected loss of power, charge the battery before shooting begins.

1			<p>Choose interval between shots. Press <b>OK</b> button to make selection, then press <b>MENU</b> button to return to shooting mode.</p>
2			<p>Press shutter-release button all the way down to start recording. Camera will take pictures at specified interval until shutter-release button is pressed again, memory is full, or 1800 frames have been recorded. Monitor turns off and indicator lamp blinks green between shots.</p>

## Interval Timer Photography

See the Appendix for more information on how pictures taken with interval timer photography are stored ( 89).

## **Best Shot Selector (BSS)**

BSS is recommended for situations in which inadvertent camera movement can produce blurred pictures, or when parts of the image are prone to under- or over-exposure. It may not produce the desired results if the subject moves or the composition is changed while the shutter-release button is fully pressed.

Option	Description
 <b>Off</b>	BSS off.
 <b>On</b>	Camera takes shots while shutter-release button is pressed, to a maximum of ten. These images are then compared and sharpest picture (picture with highest level of detail) is saved. Flash turns off automatically and focus, exposure, and white balance for all photos are determined by first picture in each series.
 <b>Exposure BSS</b>	<p>Selecting this option displays sub-menu shown at right. Choose from:</p> <ul style="list-style-type: none"><li>• <b>Highlight BSS:</b> picture with smallest area of over-exposure is selected.</li><li>• <b>Shadow BSS:</b> picture with smallest area of underexposure is selected.</li><li>• <b>Histogram BSS:</b> of pictures with least under- and over-exposure, camera chooses picture with overall exposure closest to optimum.</li></ul> <p>Camera takes five shots each time shutter-release button is pressed, but only picture that best meets selected criterion is saved. Flash turns off automatically and focus and white balance for all photos are determined by first picture in each series. Recommended for high-contrast subjects, when it is difficult to set exposure correctly.</p>



At settings other than **Off**, the current BSS setting appears in the display  6–7).

## **ISO Sensitivity**

ISO sensitivity is a measure of how quickly the camera reacts to light. The higher the sensitivity, the less light needed to make an exposure. Much as film with a high ISO rating tends to produce “grainy” images, high sensitivities may however be associated with “noise”—randomly spaced, brightly colored pixels concentrated in dark parts of the image. Choose from values between ISO 50 and 400 equivalent. **Auto** is equivalent to ISO 50 under normal conditions; when lighting is poor and the flash is off, the camera compensates by raising ISO sensitivity to a maximum of ISO 200 equivalent.

The current ISO sensitivity is displayed in the monitor at settings other than **Auto**  6–7). If **Auto** is selected, an **ISO** icon will be displayed when sensitivity is raised above ISO 50 equivalent.

## Color Options

Make colors more vivid or record pictures in monochrome.

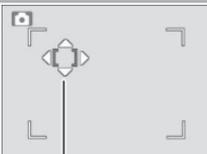
Option	Description
 <b>Standard color</b>	Natural color.
 <b>Vivid color</b>	Vivid, "photoprint" colors.
 <b>Black-and-white</b>	Take pictures in black-and-white.
 <b>Sepia</b>	Record pictures in sepia.
 <b>Cyanotype</b>	Take pictures in blue-tinted monochrome.

The effects of the selected option can be previewed in the monitor. At settings other than **Standard color**, the current setting is also indicated by an icon in the display ( 6–7).

## AF-Area Mode

Choose where the camera focuses.

Option	Description
 <b>Center</b>	Camera focuses on subject at center of frame.
 <b>Manual</b>	Press rotary multi selector up, down, left, or right to select from 99 focus areas in large frame shown at right. Pictures can be taken while focus area selection screen is displayed. To end focus area selection and adjust flash, macro close-up, and self-timer settings, press  button. Press  button again to change selection.



Focus area

### Focus Lock

To focus on off-center subjects when **Center** is selected for **AF-area mode**:

1



Position subject in center of frame.

2



Press shutter-release button halfway and check focus.

3



Recompose picture with shutter-release button pressed halfway.

4



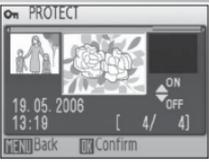
Take picture.

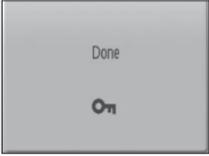
## Playback Options: The Playback Menu

To display the playback menu, press the  button to select playback mode (19) and press the  button. See page 17 for more on using the menus.

Option	Description	
 <b>SET-UP</b>	Display the setup menu.	70
 <b>Print set</b>	Select pictures for printing.	59
 <b>Slide show</b>	View pictures in an automatic slide show.	68
 <b>Delete*</b>	Delete all or selected pictures.	68
 <b>Protect*</b>	Protect selected pictures from accidental deletion.	68
 <b>Transfer marking*</b>	Change transfer marking for existing pictures.	68
 <b>Small pic.</b>	Create a small copy of the current picture.	69
 <b>Copy*</b>	Copy files between memory card and internal memory.	69

\* To select multiple pictures for deletion, protection, transfer, or copying:

-   
Scroll through pictures. Current picture shown at center of display.  

-   
Select current picture. Selection shown by icon.  

- Repeat steps 1–2 to select additional pictures. To deselect picture, highlight and press rotary multi-selector down.
-   
Complete operation. Confirmation message may be displayed.  


### **Print Set**

Create digital “print orders” for PictBridge printers and devices that support DPOF (59).

## Slide Show

Selecting **Slide show** displays the following options. Rotate the rotary multi selector to highlight and press the **OK** button to select.

Option	Description
<b>Frame intvl</b>	Choose length of time each slide will be displayed.
<b>Loop</b>	If this option is checked, slide show will repeat until <b>OK</b> button is pressed.
<b>Start</b>	Start slide show.



While the slide show is in progress, rotate the rotary multi selector clockwise to skip ahead, counter-clockwise to rewind. To pause the slide show, press the **OK** button.

When the slide show ends or is paused, the menu shown at right will be displayed. Highlight **Restart** and press the **OK** button to restart the show, or select **End** to end the show and return to the playback menu.



## Delete

Choose **Erase all images** to delete all pictures, **Erase selected image(s)** to select pictures for deletion ( 67). Pictures marked with a  icon will not be deleted.

## Protect

Protect selected pictures from accidental deletion. Protected pictures are marked with a  icon ( 6–7) and can not be deleted using the  button or **Delete**. Note, however, that formatting *will* delete protected files ( 76).

## Transfer Marking

Mark existing pictures for transfer to a computer ( 53).

Option	Description
 <b>All on</b>	Mark all images for transfer.
 <b>All off</b>	Remove transfer marking from all images.
 <b>Select image(s)</b>	Mark selected pictures for transfer (  67).

Pictures selected for transfer are identified by a  icon ( 6–7).

## Slide Shows

Movies ( 37) appear as still images showing the movie's first frame. The camera will turn off automatically ( 75) if no operations are performed for 30 minutes during the show, even if **Loop** is selected.

## **Small Pic.**

Create a small copy of the current picture. Highlight a size and press **OK**.

Option	Description
 <b>640 × 480</b>	Suited to television playback.
 <b>320 × 240</b>	Suited to display on web pages.
 <b>160 × 120</b>	Suitable for e-mail.

A confirmation dialog will be displayed. Highlight **Yes** and press the **OK** button to create a copy at the chosen size.

Small copies are stored as JPEG files with a compression ratio of 1:16 (see page 89 for more information). During playback, copies are indicated by a gray border; a , , or  icon is displayed when they are viewed full-frame ( 6–7).



## **Copy**

Copy pictures between internal memory and a memory card. This option is only available when a memory card is inserted.

Option	Description
 <b>IN →</b>	Copy pictures from internal memory to memory card.
 <b>→ IN</b>	Copy pictures from memory card to internal memory.

Selecting either of the above options displays the menu shown at right. Choose **Selected images** to select the pictures that will be copied ( 67) or **All images** to copy all pictures.



A confirmation dialog will be displayed. Highlight **Yes** and press the **OK** button to copy the images.



## **Copy**

Voice memos ( 44) will be copied with the associated picture, but voice recordings ( 38) will not. See "Copying Voice Recordings" for information on copying voice recordings ( 40). The camera may be unable to copy pictures that were created with another make of camera or that have been modified on a computer. See page 89 for more information on how copies are stored.

## Basic Camera Setup: The Setup Menu

To display the setup menu, select **SET-UP** or  from the shooting ( 61), playback ( 67), scene ( 26), movie ( 36), one-touch portrait ( 25), or voice recording menus ( 39). See page 17 for more on using the menus. Settings remain in effect until reset ( 76).

Option	Description	
 <b>Menus</b>	Choose how menus are displayed.	70
 <b>Quick startup</b>	Enable or disable welcome screen and start-up sound.	70
 <b>Welcome screen</b>	Select screen displayed when camera is turned on.	71
 <b>Date</b>	Set clock and choose home and destination time zones.	71
 <b>Monitor settings</b>	Adjust monitor brightness and choose display style.	73
 <b>Date imprint</b>	Imprint date or birthday counter on pictures.	74
 <b>AF assist</b>	Enable or disable AF assist illumination.	75
 <b>Sound settings</b>	Adjust sound and volume settings.	75
 <b>Blur warning</b>	Turn blur warning on or off.	75
 <b>Auto off</b>	Choose when monitor will turn off to save power.	75
 <b>Format memory/ Format card</b>	Format internal memory or memory card.	76
 <b>Language</b>	Choose language for camera menus and messages.	76
 <b>Interface</b>	Adjust settings for connection to television or computer.	76
 <b>Reset all</b>	Restore camera settings to default values.	76
 <b>Firmware version</b>	Display camera firmware version.	76

### **Menus**

Choose how menus are displayed.



Text



Icon

### **Quick Startup**

Choose **On** to disable the welcome screen ( 71) and start-up sound. The camera will be ready for shooting as soon as it is turned on.

### **Default Settings**

See the Appendix for information on setup menu defaults ( 87).

## Welcome Screen

Choose the welcome screen displayed when the camera is turned on. This option is only available when **Off** is selected for **Quick Startup**.

Option	Description
<b>Nikon</b>	COOLPIX logo displayed at start-up.
<b>Animation</b>	Animation displayed at start-up.
<b>Select an image</b>	Select picture from internal memory or memory card. Copy of selected image is created for use in welcome screen and remains when original is deleted or memory card is removed.

## Date

Set the camera clock and choose home and travel destination time zones.

Option	Description
<b>Date</b>	Set camera clock to current date and time (see below).
<b>Time zone</b>	Choose home (🏠) or travel destination (📍) time zone (🕒 90); turn daylight saving time on or off.

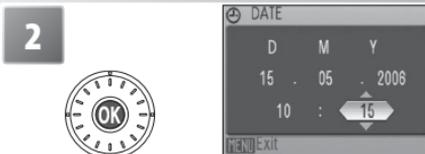
Selecting **Date** displays the menu shown in Step 1. Follow the steps below to set the camera clock to the current date and time.

**1**



Edit **Day** (order of **Day**, **Month**, and **Year** may differ).

**2**



Select **Month**. Repeat steps 1–2 to edit **Month**, **Year**, hour, and minute.

**3**



Select **DMY**.

**4**



Choose date display order. Press **OK** to return to setup menu.

## The Clock Battery

The clock battery charges when the main battery is installed or an AC adapter is connected, and can provide several days of backup power after about 10 hours of charging.