

# BASIC SHOOTING Chapter

# 2

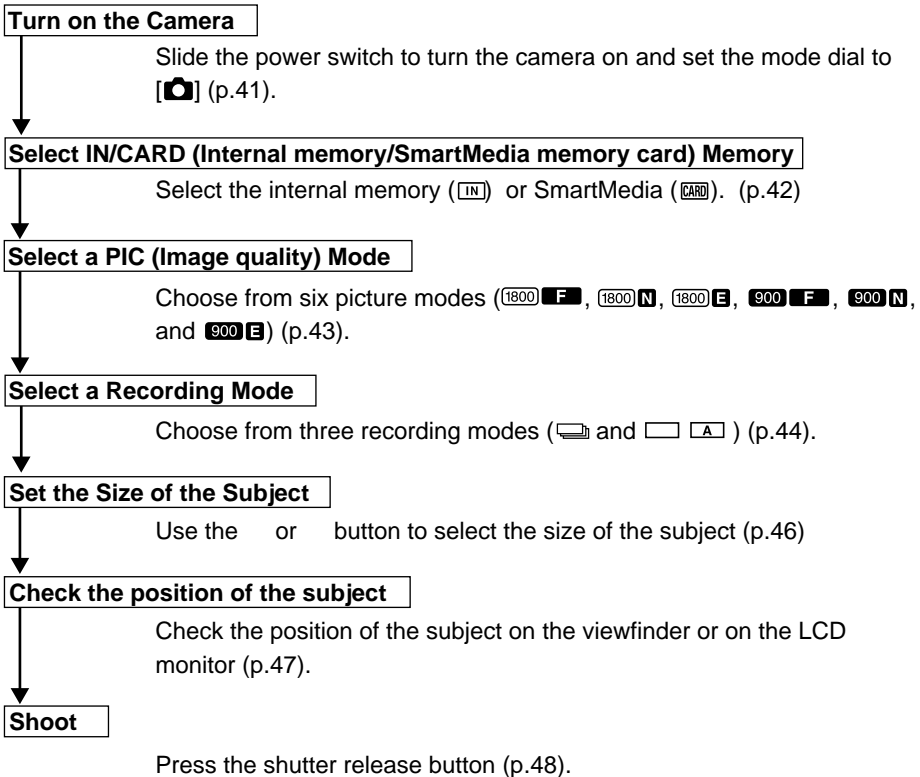
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# Basic Shooting

This section explains the general flow of shooting operation, and provides basic shooting instructions.

## Operation Flow

To record an image, follow the steps below:



# Turning on the Camera

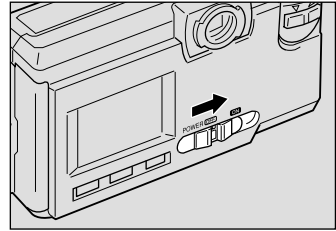
Slide the power switch to turn the camera on and slide the switch again to turn it off.

## ① Slide the center button of power switch to on.

The camera will turn on and the monitor cover will open.



- The lens barrier will not open, even if the power switch is operated, when in a playback mode other than record or in the erase mode.
- Sliding the power switch again will turn off the power. And the lens barrier and monitor cover will open.



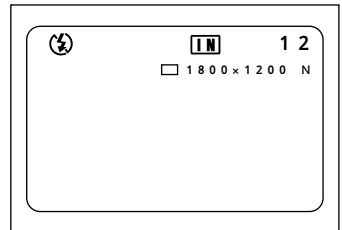
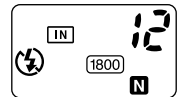
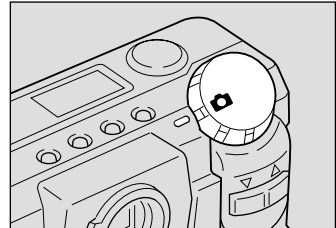
## ② Set the mode dial to [📷].

The LCD panel or the LCD monitor will display recording information.

### ● LCD Monitor Display

Press the DISPLAY button to switch displays appearing on the LCD monitor. If the LCD monitor is not used, press the DISPLAY button to save the batteries. Press the DISPLAY button again to enable the LCD monitor.

You may set the camera to come up with the LCD monitor disabled when it is powered on. See “Changing the LCD Setting” (p.109).



## ■ Using the DISPLAY button to turn the power on and off

The camera power can also be turned on and off by using the DISPLAY button. When the DISPLAY button is pressed for 2 sec. or more with the mode dial set to [📷], the power will be turned on. Pressing the DISPLAY button again will turn the power off. Set the DISPLAY button beforehand. See “Using the DISPLAY Button to Turn the Power On and Off”. (p.112)



### Auto Power-Off

The camera will turn off automatically (auto power-off) to conserve the battery if it is left idle (no buttons, switches or other controls operated) for fixed time. To resume use, turn the power on again.

You can disable the auto power-off mode.

See “Auto Power Off Setting” (p.103).

\* The auto power-off mode does not function when the camera is powered by an AC adapter.



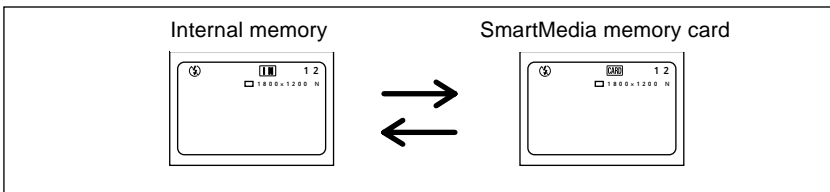
- If the keep settings function is enabled, the flash, exposure compensation, white balance, recording mode, date imprint, language, card/in, S mode settings, focus, soft mode and auto bracket in effect just before the camera was turned off are saved. See “Keep settings” (p.104).

## Selecting IN/CARD (Internal memory/SmartMedia memory card) Memory

Select whether to record photo files in internal memory or on the SmartMedia memory card mounted in the camera.

### Switching Modes

The mode screen changes in the following sequence as you switch the recording destination:

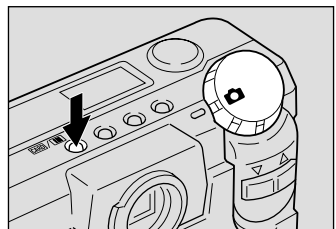


\* When the SmartMedia memory card is inserted, the **CARD** will be displayed.

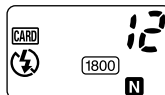
### Selecting a Recording Destination

- 1 Press the **CARD/IN** button and select a recording destination (**IN** **CARD**).

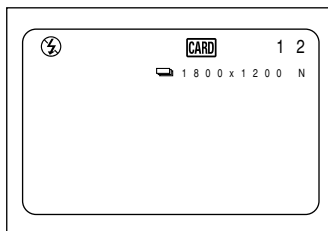
The recording destination changes each time the **CARD/IN** button is pressed.



The selected destination will be displayed on the LCD monitor or on the LCD panel.



- Note** • If a SmartMedia memory card is mounted in the camera when it is turned on, the **CARD** mark appears on the LCD monitor or the LCD panel. Enable the save mode to set internal memory as a recording destination. See “Keep Settings” (p.104).

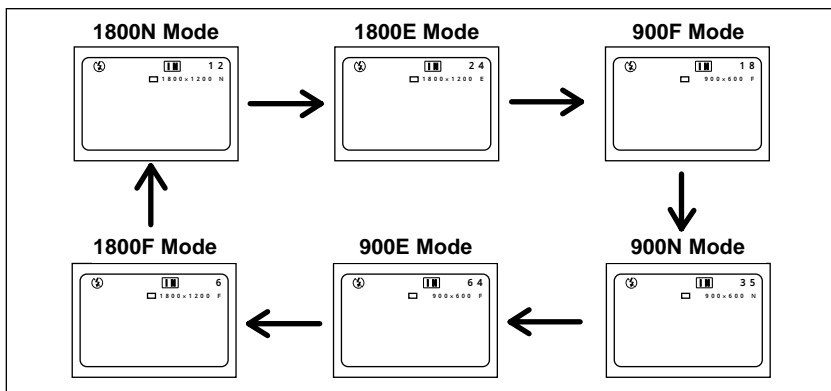


## Selecting PIC (Image quality) Mode

The camera offers six picture (PIC) modes – **1800 F** **1800 N** **1800 E** **900 F** **900 N** and **900 E** – to suit your photographic needs. Each mode has its own compression ratio.

### Switching PIC (Image quality) Modes

The mode screen changes in the following sequence as you switch the PIC mode:

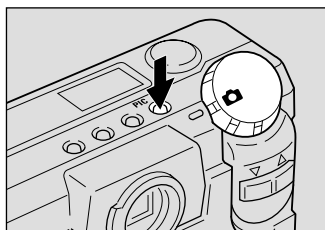


\* The recordable picture count varies as you switch the PIC mode.

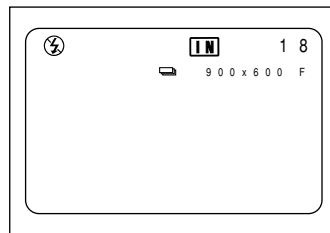
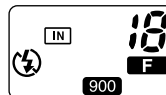
\* The factory default setting is 1800 N (**1800 N**).

### Selecting a PIC (Image quality) Mode

- Press the PIC button and select a PIC (Image quality) mode (**1800 F** **1800 N** **1800 E** **900 F** **900 N** **900 E**).



Pressing the PIC button displays the settings menu. The PIC (Image quality) mode changes each time the PIC button is pressed. Press the PIC button and make your choice.



### ● Approximate File Sizes by PIC (Image quality) Mode

PIC Mode	Approx. File Size	PIC Mode	Approx. File Size
1800F	813 KB	900F	276 KB
1800N	410 KB	900N	141 KB
1800E	246 KB	900E	74 KB



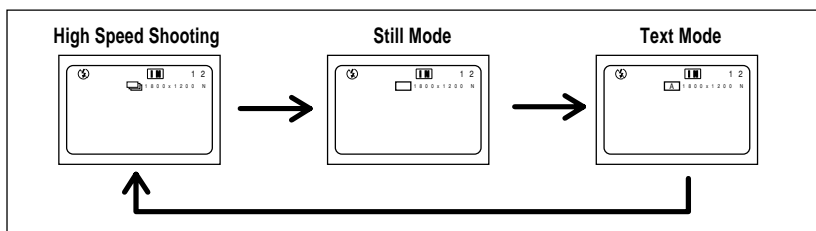
- Image sizes are 1792 × 1200 pixels and 896 × 600 pixels.
- For the number of recordable images by SmartMedia memory card capacity and by PIC (Image quality) mode, see “Recording Capacities” (p.129).

## Selecting Recording Mode

The camera offers three recording modes – still, text and High Speed Shooting. Select the mode best suited to your photographic needs.

### ■ Switching Recording Modes

The mode screen changes in the following sequence as you switch the recording mode:



- The factory default setting is .

### ● Quick shooting mode

A series of frames can be taken continuously at the rate of approximately 1 frame/sec. as long as the release button is pressed. Since the images are stored in the camera memory, the interval at which frames can be taken is shorter, so the next frame can be taken faster.

### ● Still image mode

One frame is taken each time the release button is pressed. The frames are stored one at a time.

### ● Text mode

Text can also be stored to memory. To record text clearly, blacks are made very black and then the surrounding colors are sensed. The frames are stored one at a time.



- Set Keep Setting to save the recording mode setting.  
See “Keep Settings”. (p.104)

## ■ Selecting a Recording Mode (for the PIC mode)

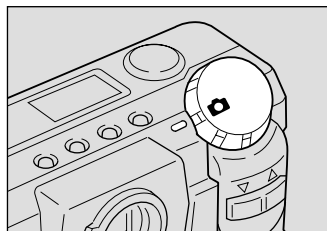
This mode is used to record an image.

### ① Set the mode dial to [📷] and press the MENU button.

The record menu will be displayed.



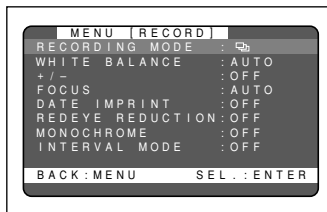
- To cancel an operation, press the MENU button.



### ② Press the or button to select [RECORDING MODE].

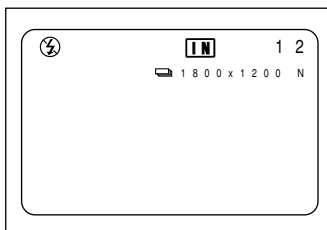
### ③ Press the ENTER button to choose the recording mode ( • • ).

The recording mode changes each time you press the ENTER button.





### ④ Press the MENU button to close the record menu.

The selected record mode will be displayed on the LCD monitor.




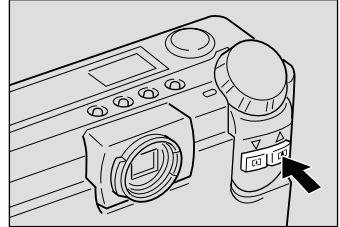
# Setting the Size of the Subject (Zoom)

By pressing the  or  button, you can vary the size of the subject on the LCD monitor without changing the distance between yourself and the subject (equivalent to 38 — 114 mm in 35 mm camera format).

## ■ Zooming In (Telephoto Setting)


### ① Press the button.

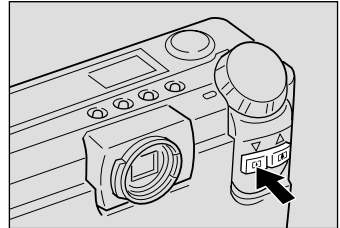
The subject will become larger (telephoto) and the zoom indication bar will appear on the LCD monitor. Press the  button to adjust the subject size to your liking.




## ■ Zooming Out (Wide Angle Setting)


### ① Press the button.

The subject will become smaller (wide) and the zoom indication bar will appear on the LCD monitor. Press the  button to adjust the subject size to your liking.



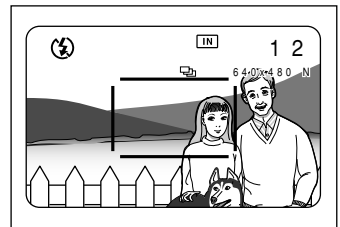
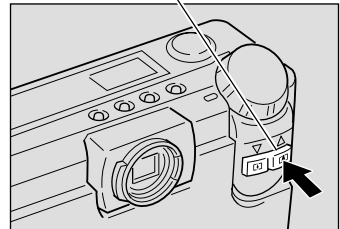
## ■ Digital Zoom Function

If you keep the  button for at least 2 seconds when the lens is set at the maximum telephoto position, the digital zoom function is triggered to add an enhanced telephotographic effect to your shot.

To disable the digital zoom function, press the  button.

When shooting, a frame appears on the LCD monitor as shown on the right, delineating the scope of the digital zoom. At playback, the shot will be played back in the same way as a normal shot.

Keep the button pressed for 2 seconds or more



- Only the screen which is displayed on the LCD monitor is available. Press the DISPLAY button to display the screen.
- When the digital zoom function is enabled, shots taken will be recorded in 640 × 480 pixel format.



# How to View Images on the LCD Monitor

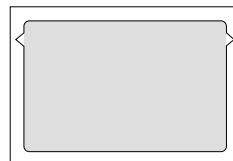
Check the position of your subject by looking through the viewfinder or at the LCD monitor.

## ■ Viewing Through the Viewfinder

Aim the camera at the subject while viewing through the viewfinder.

### ● Shooting Scope

Frame the subject within the viewfinder.



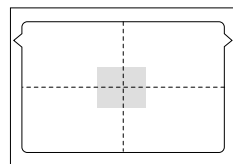
### ● Short-Distance Correction Frame

Compose your subject within this range when the distance to it is about 0.4 m (1.3 ft) and you are using the lens.



### ● Autofocus Field

Located at the center of the viewfinder screen and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



## ■ Viewing Through the LCD Monitor

Aim the camera at the subject while viewing through the LCD monitor.

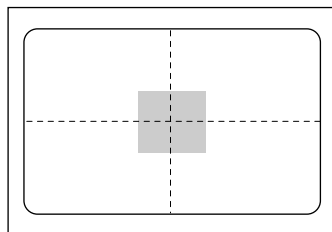
### ● Shooting Scope

Frame the subject within the LCD monitor screen.



### ● Autofocus Field

Located at the center of the LCD monitor screen and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



- The shaded area and dotted lines are shown for illustration purposes only and do not actually appear on the LCD monitor.

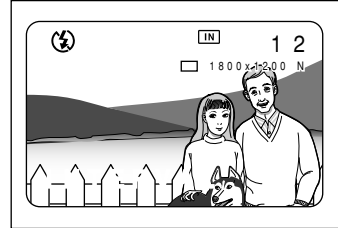
# Shooting (Still Picture Mode)

Basic shooting instructions are given below. Hold the camera correctly to keep it steady.

## 1 Aim the camera at your subject.

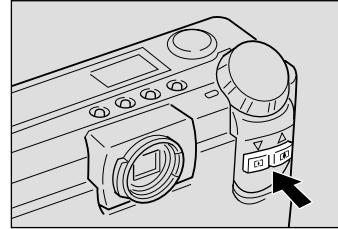
Set the wide angle and use macro mode to shoot subjects closer than 40 cm (15.8 inches).

**See** "Macro Shooting (Close-up Shooting)" (p.73)



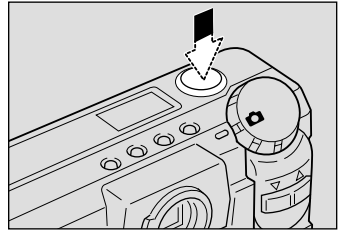
## 2 Press the **or** button to set the size of the subject.

**See** "Setting the Size of the Subject (Zoom)" (p.46)  
"How to View Images on the LCD Monitor" (p.47)



## 3 Press the shutter release button lightly with your fingertip.

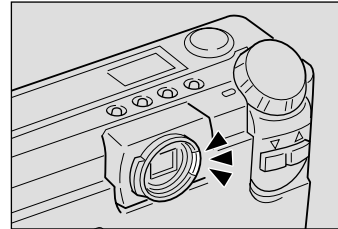
The shutter release button works in a two-step action. When you press it lightly (halfway), the autofocus function is triggered to focus on the subject automatically. Keep the camera as steady as possible during this step to ensure correct focusing.



The AF indication LED (green) will light when the subject is in focus. The focus, exposure and white balance settings are set at this point.

### ● When the flash lamp lights

When the flash fires while taking photographs in dark places, etc., the flash lamp will light red when the release button is pressed lightly. During charging, the flash lamp will blink and the display on the LCD monitor will disappear. Photographs cannot be taken at this time.

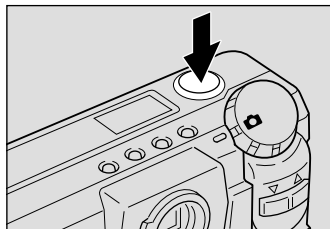


- A flashing AF indication LED indicates that the subject is out of focus. If this occurs, use the focus lock function. See “Focus Lock Shooting” (p.62).
- If the “SLOW SHUTTER” message appears on the LCD monitor, you are recommended to shoot with the flash enabled or in S mode to avoid camera shake that tends to occur in this situation. See “Changing Flash Modes” (p.55) and “S Mode (Shutter Speed)” (p.71).

#### 4 Press the shutter release button down fully without removing your finger.

A beep will sound and the picture will be taken.

- If the camera is moved before the buzzer sounds, blurring may occur.
- If recording fails, the buzzer will produce a beeping sound. In such cases, take the photograph again.



#### ● Quick shooting mode [ ]

As long as the release button is pressed, frames will be photographed at the rate of approximately one frame per second. The photographed images are temporarily saved to the memory inside the camera and are then recorded when picture taking is completed.

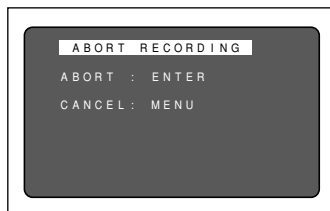
Picture taking stops when the finger is removed from the release button. The images photographed up to that point are temporarily saved to the memory inside the camera. When the release button is again pressed, the remaining frames will be exposed. The images stored inside the camera are recorded when the following occur.

- When the MENU button, PIC button or CARD/IN button is pressed
- When the mode dial is rotated
- When the power is turned off (AF lamp and flash lamp blinking)  
When there is no operation for 30 sec. after an exposure is made
- When the number of frames remaining is zero (0)/when all frames have been exposed
- When the [ ] mark appears on the LCD monitor

#### ● Still frame mode [ ]/text mode [ ]

When the release button is fully pressed, a photograph is taken and recorded. When set for the image to appear on the LCD monitor, the image will first be displayed and then recorded. Recording can be started immediately by pressing the or button. See “Changing LCD Confirmation”.

While the image is being displayed on the LCD monitor, recording can be canceled by pressing the MENU button. Messages are displayed during recording, so press the ENTER button.





- Do not open the battery cover or card cover, or disconnect the AC adapter, while images are stored to the internal memory of the camera or while images are being recorded.

- Turning the power on and off, rotating the mode dial or changing the image quality sometimes increases the number of frames remaining.
- The flash does not fire in the Text mode.
- Depending on the image quality mode, the maximum number of frames that can be exposed continuously in the Quick shooting mode is as follows.

Recording mode	F mode	N mode	E mode
1800 × 1200	3 frames	5 frames	8 frames
900 × 600	7 frames	14 frames	29 frames

\* This is the maximum number of frames that can be exposed continuously at one time. Photographs can be taken continuously depending on the number of frames remaining in the smart media and built-in memory.

- The continuous mode cannot be used when the total number of file names reaches 9999. Format the smart media or the built-in memory before attempting to take more photographs.



### Using the Camera for Extended Periods of Time

The camera will switch off automatically (auto power-off) to conserve the battery if it is left idle (no buttons, switches or other controls operated) for fixed time. When you require more time to compose a shot, disable the auto power-off feature. Have spare batteries or an AC adapter handy before using the camera for an extended period of time. See “Auto Power Off Setting” (p.103).

## ■ When Focusing is Difficult

You may experience difficulty focusing on the following subjects:

- Objects with little or no contrast (such as the sky, white walls, and car hoods)
- Flat two-dimensional objects with only horizontal lines and no significant protrusions or indentations
- Fast-moving targets
- Low-brightness objects (in dark places)
- Strongly backlit objects and objects struck by strong reflected light
- Flickering objects (such as fluorescent lights)

When shooting subjects like these, focus on another subject that is located at about the same distance and then aim at the target with that focus setting.



“Focus Lock Shooting” (p.62). “Focus Mode Shooting” (p.63).



## LCD Monitor Display Function

Press the ENTER button to display recording information, such as the recording mode, picture mode, and recordable picture count, on the LCD monitor. Each time you press the ENTER button, the display will switch in the following order:

