D7000 Setup for J2150

1. Charge battery, ignore the numbers (2 is missing) and follow these steps.

**Charge the Battery**

The camera is powered by an EN-EL15 rechargeable Li-ion battery (supplied). To maximize shooting time, charge the battery in the supplied MH-25 battery charger before use. About 2 hours and 35 minutes are required to fully recharge the battery when no charge remains.

1. **Connect the AC power cable or wall adapter.**
   Connect the power cable as shown at right. Use the AC adapter plug in the position shown; do not rotate.

2. **Insert the battery.**
   Place the battery in the battery bay as shown in the illustration on the charger.

3. **Plug the charger in.**
   The CHARGE lamp will blink while the battery charges.

4. **Charging the Battery**
   Charge the battery indoors at ambient temperatures between 5–35°C (41–95°F). The battery will not charge if its temperature is below 0°C (32°F) or above 60°C (140°F).

5. **Remove the battery when charging is complete.**
   Charging is complete when the CHARGE lamp stops blinking. Unplug the charger and remove the battery.
2. Under menu do a basic camera setup

**Basic Setup**

A language-selection dialog will be displayed the first time the camera is turned on. Choose a language and set the time and date. Photographs can not be taken until you have set the time and date.

1. **Turn the camera on.**
   A language-selection dialog will be displayed.

2. **Select a language.**
   Press ▲ or ▼ to highlight the desired language and press OK.

3. **Choose a time zone.**
   A time-zone selection dialog will be displayed. Press ◀ or ▶ to highlight the local time zone (the UTC field shows the difference between the selected time zone and Coordinated Universal Time, or UTC, in hours) and press OK.

4. **Choose a date format.**
   Press ▲ or ▼ to choose the order in which the year, month, and day will be displayed. Press OK to proceed to the next step.

5. **Turn daylight saving time on or off.**
   Daylight saving time options will be displayed. Daylight saving time is off by default; if daylight saving time is in effect in the local time zone, press ▲ to highlight On and press OK.

6. **Set the date and time.**
   The dialog shown at right will be displayed. Press ◀ or ▶ to select an item, ▲ or ▼ to change. Press OK to set the clock and exit to shooting mode.
3. Turn VR switch, located on the lens, to ON.

4. Turn auto focus to AF. Located on the bottom right front of the camera body.
   (Autofocus mode)
5. Set frame rate to S (single frame). Located on top of the camera.

![Release Mode](image)

**Release Mode**

**Choosing a Release Mode**

To choose a release mode, press the release mode dial lock release and turn the release mode dial to the desired setting.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Single frame: Camera takes one photograph each time shutter-release button is pressed.</td>
</tr>
<tr>
<td>CL</td>
<td>Continuous low speed: While shutter-release button is held down, camera records 1–5 frames per second. Frame rate can be chosen using Custom Setting d6 (CL mode shooting speed, page 217).</td>
</tr>
<tr>
<td>CH</td>
<td>Continuous high speed: While shutter-release button is held down, camera records up to 6 frames per second.</td>
</tr>
<tr>
<td>Q</td>
<td>Quiet shutter-release: As for single frame, except that mirror does not click back into place while shutter-release button is fully pressed, allowing user to control timing of click made by mirror, which is also quieter than in single frame mode. In addition, beep does not sound regardless of setting selected for Custom Setting d1 (Beep; page 215).</td>
</tr>
<tr>
<td>T</td>
<td>Self-timer: Use self-timer for self-portraits or to reduce blurring caused by camera shake (page 80).</td>
</tr>
<tr>
<td>R</td>
<td>Remote control: Shutter is controlled using shutter-release button on optional ML-L3 remote control (page 80).</td>
</tr>
<tr>
<td>MUP</td>
<td>Mirror up: Choose this mode to minimize camera shake in telephoto or close-up photography or in other situations in which the slightest camera movement can result in blurred photographs (page 83).</td>
</tr>
</tbody>
</table>

1. Average frame rate with an EN-EL15 battery, continuous-servo AF, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, remaining settings other than Custom Setting d6 at default values, and memory remaining in memory buffer.

2. Average frame rate with an EN-EL15 battery, continuous-servo AF, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, other settings at default values, and memory remaining in memory buffer.
6. Set to shutter to M, S, or A priority.  
(DO NOT USE P!!!!!! IF YOU USE P YOU WILL GET MARKED DOWN ONE LETTER GRADE)

This is how I can see what you used. Your camera records the modes. I will see this:

**Exposure Program:** Normal program

**Exposure Program:** Shutter priority

**Exposure Program:** Aperture priority

**Exposure Program:** Manual

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**P, S, A, and M Modes**

P, S, A, and M modes offer different degrees of control over shutter speed and aperture:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Programmed auto (P 68): Camera sets shutter speed and aperture for optimal exposure. Recommended for snapshots and in other situations in which there is little time to adjust camera settings.</td>
</tr>
<tr>
<td>S</td>
<td>Shutter-priority (S 62): User chooses shutter speed; camera selects aperture for best results. Use to freeze or blur motion.</td>
</tr>
<tr>
<td>A</td>
<td>Aperture-priority (A 70): User chooses aperture; camera selects shutter speed for best results. Use to blur background or bring both foreground and background into focus.</td>
</tr>
<tr>
<td>M</td>
<td>Manual (M 71): User controls both shutter speed and aperture. Set shutter speed to “bulb” or “time” for long time-exposures.</td>
</tr>
</tbody>
</table>

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**Lens Types**

When using a CPU lens equipped with an aperture ring (269), lock the aperture ring at the minimum aperture (highest F-number). Type G lenses are not equipped with an aperture ring.

Non-CPU lenses can only be used in modes A (aperture-priority auto) and M (manual), when aperture can only be adjusted using the lens aperture ring. Selecting any other mode disables the shutter release.

**Shutter Speed and Aperture**

The same exposure can be achieved with different combinations of shutter speed and aperture. Fast shutter speeds and large apertures freeze moving objects and soften background details, while slow shutter speeds and small apertures blur moving objects and bring out background details.

- **Fast shutter speed** (1/1000s)
- **Slow shutter speed** (1s)
- **Large aperture** (f/1.8) (Remember, the higher the F-number, the smaller the aperture.)
- **Small aperture** (f/36)
7. Set ASA to 640, hold in the info button (bottom right of the back of the camera) and follow these directions.

8. Make sure image review is ON. Press the menu button and go to playback menu.

9. Set image quality to NORM. First hold down the info button.
10. Set image size to MED, hold down the info button first, and follow these directions.

Image Size

Image size is measured in pixels. Choose from the following options:

<table>
<thead>
<tr>
<th>Image size</th>
<th>Size (pixels)</th>
<th>Print size (cm/in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>4,928 x 3,264</td>
<td>41.7 x 27.6/16.4 x 10.9</td>
</tr>
<tr>
<td>Medium</td>
<td>3,696 x 2,448</td>
<td>31.3 x 20.7/12.3 x 8.2</td>
</tr>
<tr>
<td>Small</td>
<td>2,464 x 1,632</td>
<td>20.9 x 13.8/8.2 x 5.4</td>
</tr>
</tbody>
</table>

* Approximate size when printed at 300 dpi. Print size in inches equals image size in pixels divided by printer resolution in dots per inch (dpi; 1 inch = approximately 2.54 cm).

Image size is set by pressing the QUAL button and rotating the sub-command dial until the desired setting is displayed in the control panel.

The Shooting Menu

Image size can also be adjusted using the Image size option in the shooting menu ( 202).

11. Set WHITE BALANCE to Auto1. First hold down the info button.
12. Insert the SD card.

**Insert a Memory Card**

The camera stores pictures on Secure Digital (SD) memory cards (available separately; 319). The camera has two memory card slots (Slot 1 and Slot 2); if you will be using only one memory card, insert it in Slot 1 (30).

1. **Turn the camera off.**
   - **Inserting and Removing Memory Cards**
     Always turn the camera off before inserting or removing memory cards.

2. **Open the card slot cover.**
   Slide the card slot cover out (1) and open the card slot (2).

3. **Insert the memory card.**
   Holding the memory card as shown at right, slide it in until it clicks into place. The memory card access lamp will light for a few seconds.
   - **Inserting Memory Cards**
     Inserting memory cards upside down or backwards could damage the camera or the card. Check to be sure the card is in the correct orientation.

Close the memory card slot cover. If this is the first time the memory card will be used in the camera or the card has been formatted in another device, format the card as described on page 32.
13. Format the SD card.

Format the Memory Card
Memory cards must be formatted before first use or after being used or formatted in other devices.

- Formatting Memory Cards
  Formatting memory cards permanently deletes any data they may contain. Be sure to copy any photographs and other data you wish to keep to a computer before proceeding (See 179).

1. Turn the camera on.

2. Press the buttons.
   Hold the (1) and (2) buttons down simultaneously until a blinking F or appears in the shutter-speed displays in the control panel and viewfinder. If two memory cards are inserted, the card in Slot 1 (30) will be selected; you can choose the card in Slot 2 by rotating the main command dial. To exit without formatting the memory card, wait until F or stops blinking (about six seconds) or press any button other than the (1) and (2) buttons.

3. Press the buttons again.
   Press the (1) and (2) buttons together a second time while F or is blinking to format the memory card. Do not remove the memory card or remove or disconnect the power source during formatting. When formatting is complete, the control panel and viewfinder will show the number of photographs that can be recorded at current settings.

14. You ready to take some pictures.

15. When done, charge the battery (See 1)