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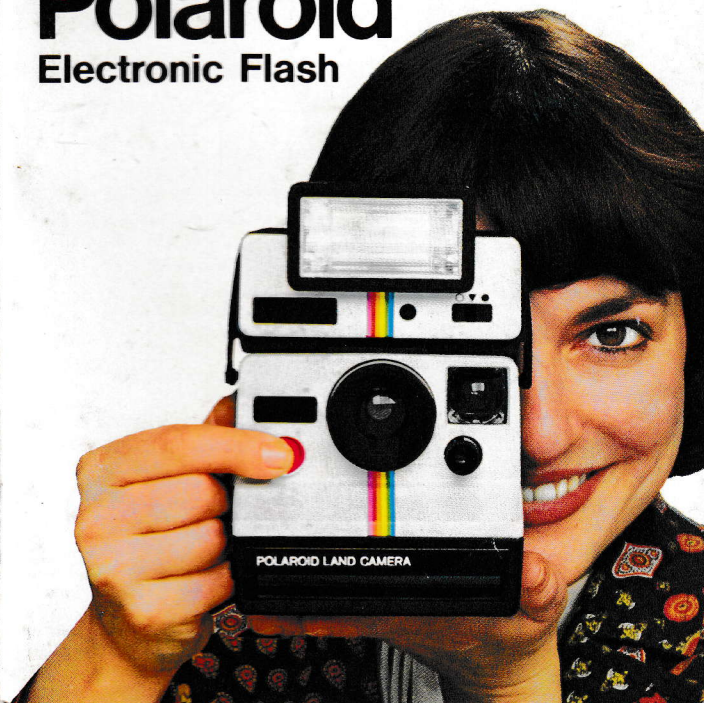
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Electronic Flash



Important Safeguards

Always follow basic safety precautions, including:

1. Follow all instructions.
2. Always use batteries recommended.
3. Do not attempt to operate unit which has been dropped or damaged, until it has been examined by a qualified serviceman.
4. Always unplug unit from camera when it is not in use.
5. To avoid electrical shock hazards, do not disassemble unit. If service or repair work is required, consult a qualified serviceman. Do not immerse unit in water or other fluids.

Please keep these instructions.

The numbers in the text refer to the illustrations on the fold-out pages at the back.

The Polaroid Flash # 2351 is designed for use with the Polaroid Model 1000 and OneStep Land cameras.

Technical data

Power source:	4 AA 1.5V alkaline batteries
Flash range:	1.2 to 2.7m (4-9 ft.)
Flash duration:	Approximately 1 / 1000 second at 2.7m (9 ft.) to less than 1 / 2000 second at 1.2m (4 ft.)
Flashes per set of fresh batteries:	about 60
Charging time fresh batteries:	about 15 seconds
Replace batteries when charging time exceeds:	30 seconds

The batteries

This unit is powered by four 1.5V AA alkaline batteries. A fresh set of batteries should last for about 60 flashes. Rechargeable nickel-cadmium batteries of the proper size may also be used; see your dealer for information about these batteries and about battery charging units.

To install the batteries, open the battery compartment by sliding down the door on the back of the unit **(1)**. Insert each battery in the direction shown inside the compartment **(2)**. Then push the door back up into position.

Attaching and removing the flash unit

Attach the unit to the top of the camera shutter housing just as you would insert a Flashbar. Holding the camera as shown, hook the locking tab **(3,A)** over the ridge on the camera, push the blade **(3,B)** into the Flashbar socket, and continue pushing over and down until the locking tab **(3,C)** snaps in place over the ridge on the opposite side of the camera. You can load film while the flash unit is on the camera.

To remove the unit, push the foot out and lift up **(4)**. **Remove the flash unit for all non-flash pictures.**

The flash controls

On/Off switch (5,A). Push the switch toward 1 (On). **To avoid battery drainage, push the switch toward O (Off) when the unit is not in use.**

Ready Light and Test Button (5.B). This light will go on when the flash unit is ready for taking a picture — about 15 seconds with fresh batteries. If it takes longer than 30 seconds for the light to come on, the batteries should be replaced. If the light does not come on at all, the batteries are probably dead or installed incorrectly.

The Ready Light is also the Test Button. You can fire the flash without taking a picture by pushing the Test Button. You should fire it twice before first use, or if the unit has been stored for several weeks. Test-firing the flash will form the capacitor in the unit to help provide proper light output for your first picture. You can also use the Test Button to make sure the batteries are strong enough to recharge the unit in less than 30 seconds.

The Lighten/Darken control (6). For most pictures, you will want to leave this control in the center, or ▼ setting. In difficult lighting situations, you can lighten or darken a picture by moving it to ○ (lighten) or ● (darken). See "Troubleshooting" for more detailed information. After you have taken a picture with the control set to Lighten or Darken, return it to the center setting.

Taking the picture

See your camera instruction book for flash picture hints. Remember, the flash range with this flash unit is 1.2–2.7m (4 ft. to 9 ft.).

Hold the camera as shown in your camera instruction book; do not let your fingers block the camera lens, electric eye, or front of the flash unit. When the Ready Light goes on, you are ready to take the picture. Frame the scene, hold the camera steady, and squeeze the shutter button.

Flash in daylight

You can use this flash unit to improve outdoor pictures made in dim light or deep shade. Be sure to stay within the flash range — 1.2 to 2.7m (4 to 9 ft.). You will get best results when your subject is about 1.5 to 1.8m (5 to 6 ft.) away.

In bright outdoor light, this unit will not fire and should be removed from the camera. If you wish to use fill-flash in bright outdoor light (to erase shadows or correct uneven lighting), use a Flashbar and stay within 1.2 to 2.4m (4 to 8 ft.) from your subject.

Troubleshooting

If the camera does not operate when you push the shutter button, check to make sure that the flash unit is turned on, that the Ready Light is on (indicating the unit is fully charged and ready to fire), and that there is film in the camera.

If the Ready Light does not come on, the batteries may be dead or incorrectly installed.

If you get a flash picture that is too light or too dark, before taking another picture, be sure you are within the flash range. Next, check the background lighting. A sensor on the flash unit measures the light reflected from the scene or subject and controls exposure. However, if the background dominates the scene, and is much darker or lighter than the light on your subject (for instance, a dark, distant background or a large daylight window), the subject may be too light or too dark in the picture. Move in closer to eliminate much of the background, or adjust the Lighten/Darken control on the flash unit.

To make your subject lighter, turn the control to ○ (lighten). To make your subject darker, turn the control to ● (darken).

The Lighten/Darken control on the camera will be ineffective when the flash unit is in place.

The care of your flash unit

If the unit is to be stored for an extended period, turn it off and remove the batteries to prevent possible damage to the unit from leaking batteries. You should reinsert the batteries and fire the flash twice every 1–2 months.

Protect the flash unit from moisture and from extreme heat and cold. Use in extreme temperatures can shorten battery life. Keep the batteries and battery contacts clean.

To avoid electrical shock, do not disassemble or otherwise tamper with the flash unit.

For information and help

If you have any questions about your flash unit or your pictures, please contact your dealer or the nearest Polaroid office.

Warranty

If this product proves to be defective within the warranty period we will repair it, or at our option, replace it with a similar product without charge. The warranty period is three years from original purchase date. **To verify the warranty period, you should keep the sales slip or other proof of the purchase date.** This warranty does not cover damage caused by accident, misuse, or tampering with the product, and a charge will be made for such repairs.

The above warranty and provisions do not affect your statutory rights.

For warranty service, the product must be returned to and repaired by a Polaroid Service Center or Authorized Service Center.