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# PENTAX 110 WINDER II



## SPECIFICATIONS

<b>Type</b>	Battery-Powered Film Winder.
<b>Power Source</b>	Two 1.5V AA-size penlight batteries (Manganese SUM-3 or Alkaline LR-6).
<b>Film Advance Mode</b>	Single-frame operation after shutter release via camera shutter button. Film advances in approx. 1.5 sec. per frame.
<b>Mounting</b>	Mounts to tripod socket at base of camera.
<b>Other Features</b>	Tripod socket, built-in grip, power switch.
<b>Size</b>	99mm (W) x 52mm (H) x 34mm (D)
<b>Weight</b>	110g/3.88" less batteries.

## DESCRIPTION OF PARTS

1. Contact pins
2. Power switch
3. Attachment screw
4. Film drive coupler



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## BATTERY LOADING

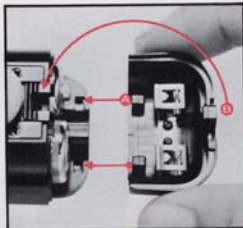
1. Make sure that the winder power switch is set to OFF.
2. Holding the winder upside down, slide the battery compartment lock in the direction of the arrow with your fingernail and lift the cover out with your other hand.
3. Insert two AA size penlight batteries in the battery compartment in accordance with the (+) and (-) diagrams inside the compartment.



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4. Replace the battery compartment cover by sliding the lock all the way back with your fingernail and snapping the cover back into place by inserting the bottom tabs A first, and then the top tab B. Let go of the lock lever to lock the cover in place.

**\* Battery Check** When the film advance speed becomes slow and irregular, it indicates that batteries are worn. Replace both batteries together with fresh ones. Film will not advance if batteries are not inserted properly.



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- 1 Hold the back of camera at a right angle to the winder as illustrated, matching up each of the terminals ① and ② on both the winder and the camera with your eye.
- 2 Then, turn the camera so that it sets flat atop the winder, making sure that all the contact points have enmeshed properly.
- 3 Rotate the knurled lock dial on the side of the winder so that the winder screw attaches to the tripod socket of the camera. Tighten the dial firmly to secure the winder in place.

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## SHOOTING

Bring the camera up to your eye and, after you have focused, press the shutter release to take the picture.

**Horizontal shooting posture:** Hold the winder and camera firmly as illustrated when shooting horizontally.

**Vertical shooting posture:** For vertical shooting with the winder, the camera should be braced as illustrated for added support. There is greater tendency for camera movement to occur when shooting vertically. Your pictures will blur if you do not hold the camera firmly as indicated.



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**With new film:** After loading a fresh film cartridge into the AUTO 110, turn the winder power switch to ON. The film will advance automatically until the numeral "1" appears in the back cover window. The camera is now ready to shoot.

**Note:** If the winder does not function with the switch turned on, take the following steps: (1) Release the shutter by pressing the shutter button, (2) If (1) does not occur, cock the film advance lever, and press the shutter button to release the shutter. (3) If the above two steps are not successful, the batteries in the winder may be dead or are not loaded properly.

**With a previously loaded film cartridge:** If you attach the winder with a partially wound film cartridge already loaded in the camera, the winder will advance the film a single frame if you turn it on while the camera's film advance lever is uncocked. If the film advance lever is cocked when you turn the winder on, film will not advance until you trip the shutter.



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## AFTER SHOOTING · USING A TRIPOD

### When Finished Shooting

After the last exposure has been made, the film will automatically wind out until the film end and stop. Then, turn the winder power switch to OFF and remove the cartridge.

\* Always attach and detach the winder with the power switch set to OFF.

### Use of a Tripod

A tripod may be screwed into the tripod socket at the base of the winder grip.



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