



This manual is for reference and historical purposes, all rights reserved.

This page is copyright© by M. Butkus, NJ.

This page may not be sold or distributed without the expressed permission of the producer

I have no connection with any camera company

On-line camera manual library

This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

If you find this manual useful, how about a donation of \$3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you \$7.50 for a electronic copy or \$18.00 for a hard to read Xerox copy.

This will allow me to continue to buy new manuals and pay their shipping costs.

It'll make you feel better, won't it?

**If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.**

**ASAHI
PENTAX**

110 WINDER



PENTAX 110 WINDER SPECIFICATIONS

Type	Battery-Powered Film Winder.
Power Source	Two 1.5V AA-size penlight batteries.
Film Advance Mode	Single-frame operation after shutter release via camera shutter button.
Shutter-Speed Synchronization	Operates at all shutter speeds.
Mounting	Mounts to tripod socket at base of camera.
Other Features	Tripod socket, built-in grip, power switch.
Size	52mm x 35mm x 100mm
Weight	112g/4.0ozs. (without batteries)

110 WINDER DESCRIPTION OF PARTS

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



2



3

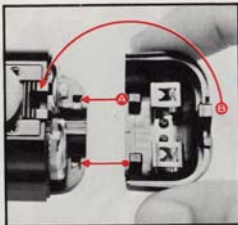
BATTERY LOADING

- 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.



- 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 high-performance AA-size (penlight) dry-cell batteries or alkaline batteries. Film will not advance if batteries are not inserted properly.



4

5

ATTACHING THE WINDER



- 1 Hold the back of camera at a right angle to the winder as illustrated, matching up each of the terminals **A**, **B**, and **C** 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.

6

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.



8

FILM ADVANCE

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.

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 after you trip the shutter.



7

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.



9



ASAHI OPTICAL CO., LTD. C.P.O. 895, Tokyo 100-91, JAPAN
 ASAHI OPTICAL EUROPE N.V. Weiveldlaan 3-5, 1930 Zaventem Zuid-7, BELGIUM
 PENTAX Handelsgesellschaft mbH, 2000 Hamburg 54 (Lokstedt), Grandweg 64, WEST GERMANY
 ASAHI OPTICAL BRASILEIRA IND. E COM. LTDA. Rua Estados Unidos, 1053, São Paulo-SP, BRASIL
 PENTAX CORPORATION 9 Inverness Drive East, Englewood, Colorado 80112, U.S.A.
 PENTAX OF CANADA LTD. 1760 West 3rd Avenue, Vancouver, B.C. V6J 1K5, CANADA