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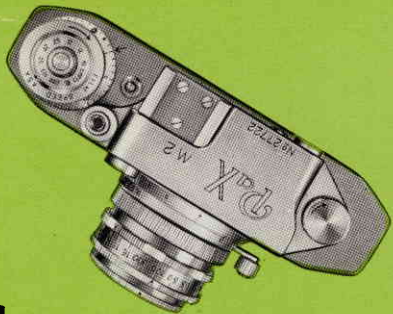
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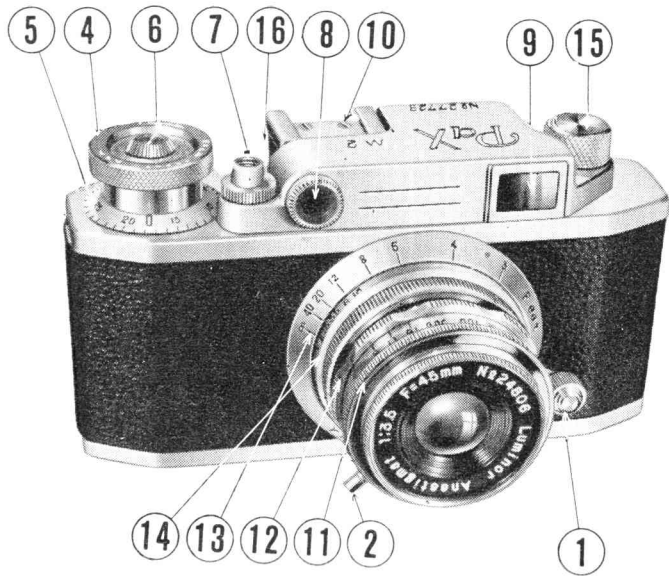
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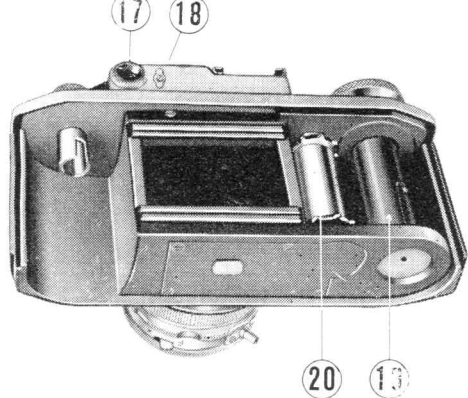


Instructions for Using

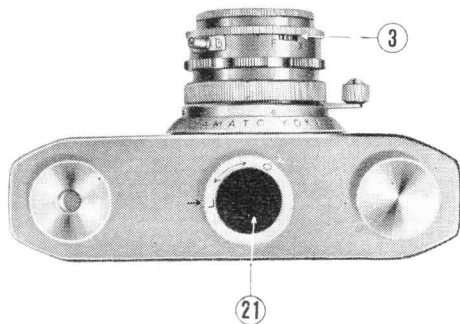
# *PaX*-M2

- ( 1 ) Focusing lever
- ( 2 ) Flash terminal
- ( 3 ) F-X synchro selection lever
- ( 4 ) Winding knob
- ( 5 ) Film counter dial
- ( 6 ) Film type indicating dial
- ( 7 ) Release button
- ( 8 ) Right } window of combined
- ( 9 ) Left } view-and range-finder
- (10) Accessory clip
- (11) Shutter speed setting dial
- (12) Lens opening dial





- (13) Distance scale
- (14) Depth of field scale
- (15) Rewinding knob
- (16) Rewinding button (Behind (7))
- (17) View and Range-finder eye piece
- (18) Cover of screws for adjusting range-finder
- (19) Film take-up spool
- (20) Sprocket wheel
- (21) Locking lever



We are glad you decided on a Pax-M2, and congratulate you on your choice.

The Pax-M2 is the result of years of experience in the camera industry and is also product of close collaboration between science and industry.

We hope you will be greatly satisfied with your Pax-M2, a camera that combines durability, beauty, and precision.



## General Introduction of Pax-M2

Simple to Use!

Remarkable Results!

● The Pax-M2 is the outstandingly smallest, finest, lightest, and most compact camera in its field.

It is precision made by one of the foremost manufacturers of modern cameras.

The Pax-M2 offers you all that you desire in a 35mm camera.

● It is easy to carry, simple to operate and beautiful to see. The results you can obtain with it are surprising and with proper care it will bring you happiness and joy for many years. All controls are simple to operate, yet the camera has such versatility as will meet the requirements of exacting photographers.





● The most important part of a camera is its lens.

The Pax-M2 lens is the coated "Luminor"  $f:3.5 F:45\text{mm}$  which has excellent depth of focus, unequalled brilliant definition, and is highly color corrected.

When using color film you will be convinced of its exceptional quality.

● The Pax-M2 is equipped with a coupled combined view-and range-finder making it easy and speedy to focus and compose the subject. With every picture you can be certain of exact focusing.

● Ingeniously designed with automatic film winding and shutter cocking mechanism which saves you time and prevents your pictures from the danger of double exposure.

● Your Pax-M2 is provided with built in F-X synchronization for use with both flashbulb and electronic flash.





- The detachable back of the Pax-M2 allows you to change the film in a few moments and makes it easy to clean and inspect the inside of the camera.

- A locking lever is located on the body to prevent accidental opening.

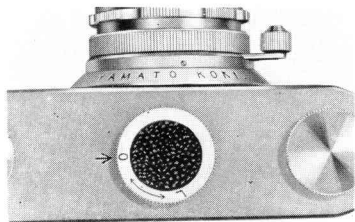
- All scale figures of the Pax-M2 can be read off at a glance from above.

- The high quality of the Pax-M2 is guaranteed against defects in material or workmanship for one year from date of purchase.



Before loading the camera with film, read the following instructions carefully,

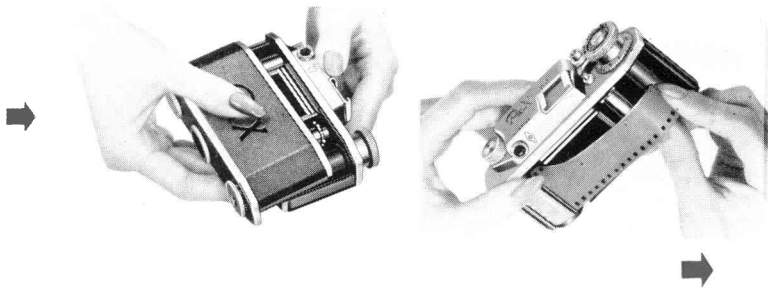
## How to Use Pax-M2



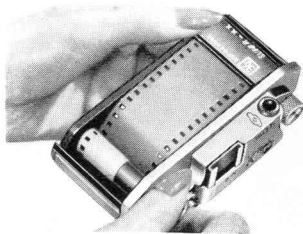
### I. Loading the Camera

(Do not load film in direct sunlight)

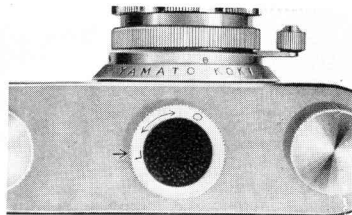
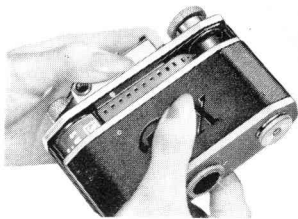
1) To open the camera, turn the lock lever (21) on the bottom of the camera from "L" (lock) to "O" (open) in the direction of arrow, and slide the back of camera slowly towards the bottom for about one inch. Then slide camera back off of body.



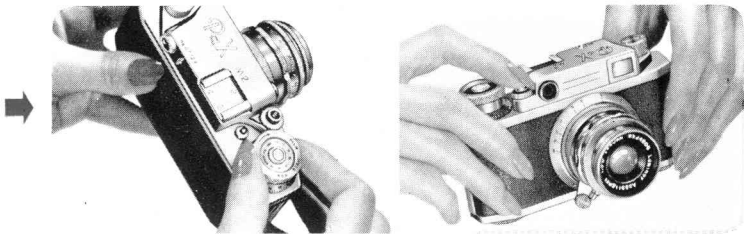
2) Pax-M2 takes standard 35mm film. Place the loaded film cartridge in the film chamber. Pull out the film leader about 4 inches from cartridge, towards the film take-up spool (19) at opposite side. Insert the leader into slit in film take-up spool.



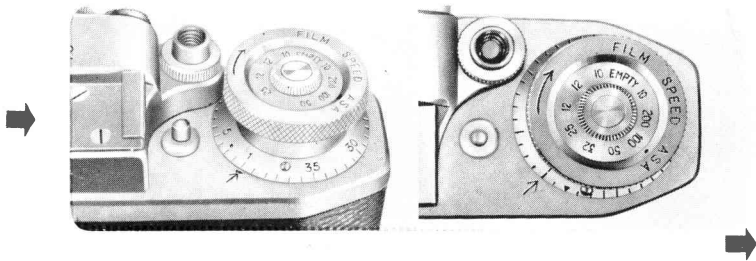
3) Turn the film winding knob (4) slowly in the direction of arrow marked on the knob until both sides of the sprocket wheel securely engage the perforations in the film margin. If necessary, release the shutter and continue to wind.



4) Slide the back of camera into its former place with a slight downward pressure of the right thumb. The camera back is now securely in place. Next, turn the lock lever on the bottom from "O" to "L".



5) Turn the winding knob until it stops, and the shutter is cocked. Press release button (7) and then turn the winding knob again until it stops. Repeat these operations once more.



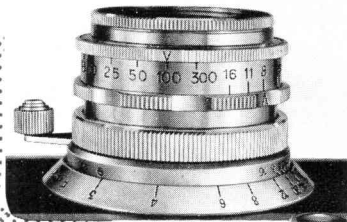
6) Align “1” (first) on the film counter dial (5) with mark by turning the dial in the opposite direction of the winding knob. Now you are ready to snap your first picture.

As a film reminder, set the film type indicating dial (6) with red dot according to the type of film you are using.

Red inked figures are for the color film sensitivity and black for the black-and-white.

## CAUTION!!!

- 1.) Before closing back cover be sure film is going onto the take-up spool.
- 2.) Do not use force to advance film.
- 3.) If resistance is met after advancing your film you did not load the film correctly. In that case, push down on the rewind button and rewind the film.
- 4.) Place film in camera again. Cover lens with lens cap and advance film to number of exposure you had before it jammed.



## 11. Taking Pictures

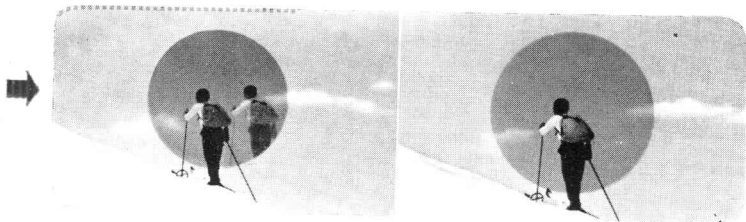
### 1) Determination of shutter speed and lens opening :

In taking picture, correct shutter speed and lens opening are critical factors of your result. Compute them correctly. After determining these factors, move the shutter speed dial [11-1-1] to proper setting and set lens at correct lens opening (12). Your Pax-M2 permits these operations to be possible at all times, either before or after cocking the shutter.

2) Focusing with view-and range-finder :

Place your right eye at the view-and range-finder eye piece (17), and aim at the subject. In the center of the field of the finder, you see a circular area in which there is a double image of the subject. By moving the focusing lever (1) with index finger of the left hand the two images can be made to merge into one. The lens is now in perfect focus.





3) Holding the camera and releasing the shutter :

a) The Pax-M2 should be held firmly, but not rigidly, in both hands. Care should be taken to prevent movement of the camera while pressing the release button. Press elbow to body for added support.

b) Push the shutter release button using steady even pressure with your index finger, when you capture desired composition and figure of the subject.

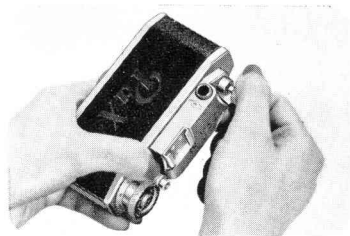




## Caution

- ( 1 ) Never store camera for any length of time with the shutter cocked.
- ( 2 ) Be sure to take off the lens cap before taking your picture.
- ( 3 ) When taking picture be sure camera case or flash cord does not cross over the lens.
- ( 4 ) In carrying the camera with eveready case, be sure to fasten the case to the camera with the screw nut attached.

### III. Removing the Exposed Film



After entire roll of film has been exposed, the film winding knob will not turn further. Do not force it beyond this point. Now the film must be rewound into original cartridge from the take-up spool.

Press the rewinding button (16) and pull up the rewinding knob (15). Turn the rewinding knob until entire film has been completely rewound into the cartridge. Then open the camera back and take out the cartridge for development.

## SMALL ACCESSORIES

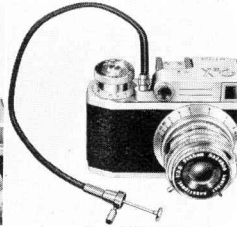
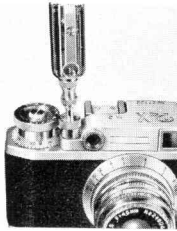


### 1. Filter

Your Pax-M2 lens will give you pictures of excellent sharpness: but the mood of the picture can often be improved by using filters. Attached Ultra-Violet filter with Pax-M2 absorbs ultra-violet rays and makes your pictures clear in both color and black-and-white pictures. It also protects your camera lens.

Yellow filters help to bring out the clouds and are a "must" for snow scenes and scenes at the sea shore. Green filters lighten red color and will bring out greens in landscapes. They are also recommended for outdoor portraits.





## 2. Lens Hood

Attached lens hood is valuable lens accessory and should be used whenever possible.

It prevents stray light from entering the lens and gives pictures that crisp look.

The Pax-M2 is designed to use a selftimer on the top of shutter release button.

The shutter release cable is also screwed onto the same part.

## Candid Photography

Due to its remarkable compactness the Pax-M2 is admirably suited for the field in which miniature cameras excel, that is candid photography. You can easily photograph people in the streets, parks or beaches, without their knowledge, take them in natural positions, with natural expressions, doing things that are characteristic of them.





## Out-door Pictures

In taking out-door pictures there are three things to watch out for: bright skies, flat lighting, and incorrect exposure.

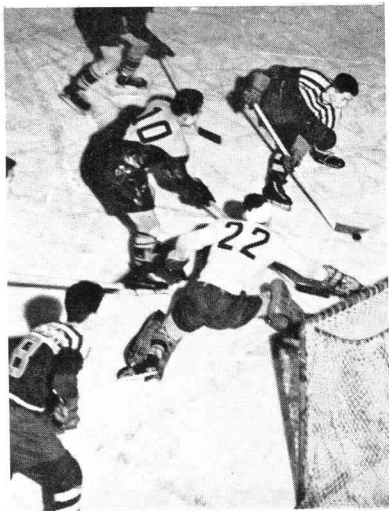
(1) Bright skies are easily corrected by the use of an appropriate filter or by the use of proper film which will darken the skies without the use of any filter. Don't forget that overexposure will cancel out the effect of a filter, while a slight underexposure will take the place of one.

(2) Flat lighting can be overcome by avoiding the middle of the day for picture taking.

(3) The best way to avoid incorrect exposure is to use a photoelectric exposure meter. The danger with most out-door shots, especially landscapes and distant scenes, is overexposure.

## Flash Photography

Your Pax-M2 is equipped with built-in F-X synchronization to meet almost every purpose. Flash photography is, under many conditions, the only way in which natural, unposed pictures can be made. For indoor sports, such as basket ball, boxing, wrestling, etc. synchro flash photography is ideal. It is also suited for photographing the baby, children and animals, catching their unpredictable activities, protecting them against uncomfortable heat and glare of photofloods.





Synchro photography in sunlight is also useful. Direct sunlight or strong backlight usually casts large shadow areas over the features of the subject. Proper flash technique will solve this problem, by throwing enough additional light into these areas to eliminate the shadows.

## Flash Synchro with Flash bulb

### Calculating exposure for flash.

Determining correct exposure for flash is very simple. With a given flashbulb and a given film speed, the distance in feet (from subject to flash) multiplied by the stop number equals a constant factor.

This factor system has been worked out by the manufacturers of flashbulbs, who in their exposure guides provide factor numbers (usually referred to as Guide Number) for all bulbs.

As an example of how it works, let us assume that you have decided to use a flashbulb with a Guide Number of 80 and placed your camera 10 feet from the subject. By dividing 10 (the distance in feet) into 80 (the Guide Number) you get 8 (or  $F/8$ ), the correct lens opening to use.





## Selecting flashbulbs for your Pax-M2

There are three general classes of flashbulbs, F (Fast) class, M (Medium) class and F. P. (Focal Plane) class.

The Pax-M2 camera has been designed to use F class bulbs. With these bulbs (such as No. SS or SM) it is possible to take flash pictures at all shutter speeds. Use of M class bulbs with the Pax-M2 is also possible. However, when using M bulbs (such as Press No. 5 or Press No. 25) flash pictures should only be made at  $1/10$  or  $1/25$  or a second.

F. P. bulbs (such as No. 6 or No. 22) are designed for use with Focal Plane Shutter Cameras, and are not recommended for use with the Pax-M2.

## Step by step procedure for flash pictures with flash bulbs.

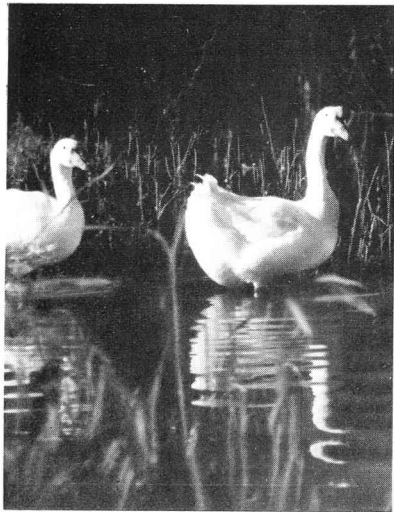
- Set F-X synchro selection lever at "F" setting.
- Focus Pax-M2 on subject with range-finder.
- Read off the distance to the subject.
- Set shutter speed.
- Calculate the lens stop using the flashbulb Guide Number and set the lens.
- Insert flashbulb and take the picture.

### To avoid misfire

( 1 ) Batteries should always be fresh and when not in use, removed from flashgun.

( 2 ) The socket of flashgun and flashbulb bases must be clean to prevent oxidization.





## Flash synchro with electronic flash

Pax-M2 is designed to adopt the electronic flash unit (strobe). Synchro selection lever must be set at X all times when using electronic flash unit.

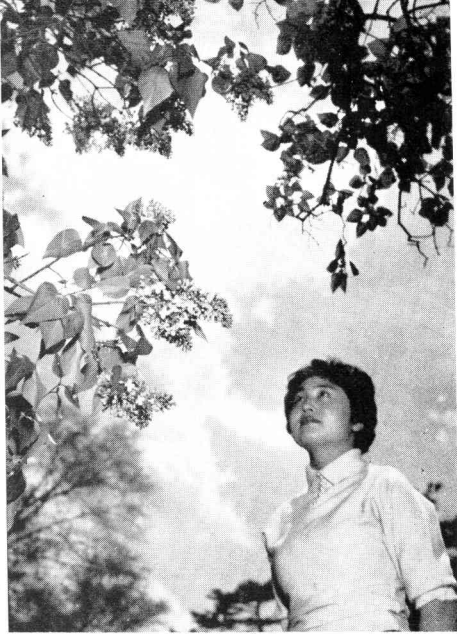
Most electronic flash tubes are instantaneous, and have no firing delay. The fast shutter speeds are recommended in this case.

## Color Photography

You can take color pictures with your Pax-M2.

Correct exposure is critical when you use color film, because the exposure latitude of color film is very limited. The use of a photoelectric exposure meter is recommended.

When taking color picture with flash, you must use special blue flashbulbs.





## Proper Care for your Pax-M2

- a. Keep your camera always in a dry place when not in use. It is best to keep it safely enclosed in a moisture-proof box or case.
- b. Do not leave your camera unused with the shutter cocked as this may weaken the shutter spring.
- c. Periodically clean the camera body with a soft brush to remove dust or dirt.
- d. Keep lens surface spotless with proper tools. (soft brush or lens tissues).

## Technical Details of Pax-M2

**Lens :** "LUMINOR" Anastigmat,  
F: 3.5 F: 45 mm Coated  
and Color Corrected.

**Shutter :** Speed 1/10, 1/25, 1/50,  
1/100, 1/300, W/B.  
Automatic Shutter Cocking.  
F-X Flash Synchronization.

**Focusing :** Helical Type.  
Coupled Combined View-  
and Range-Finder.

**Picture Size :** 24 mm × 36 mm  
**Dimensions :** 3<sup>3</sup>/<sub>8</sub> long and 2<sup>9</sup>/<sub>16</sub> high,  
1.06 lbs. in weight.

### How to adjust the range-finder

When you find anything wrong with the range-finder, put the distance lever on the mark of infinity ( $\infty$ ) and turn the cover of screws for adjusting range-finder (18) to left. You can then see two screws inside.

Turn those adjusting screws slightly with a small screw driver so as to make the image to merge into one completely.

Table for Depth of Focus  $f$ : 45 m/m

$l$  Length: feet.  
 $f$  = Diaphragm.

$f$	$l$	3.0	4.0	6	8	12	20	40	$\infty$
3.5	back	3.22	4.50	6.97	9.83	16.70	37.9	$\infty$	$\infty$
	front	2.81	3.58	5.26	6.74	9.36	13.6	20.6	40.4
4.5	back	3.28	4.52	7.31	10.55	18.80	50.70	$\infty$	$\infty$
	front	2.76	3.58	5.08	6.45	8.80	12.45	18.0	32.8
5.6	back	3.36	4.68	7.80	11.40	21.80	81.5	$\infty$	$\infty$
	front	2.71	3.48	4.90	6.16	8.26	11.4	15.9	26.3
8.0	back	3.55	5.06	8.78	13.93	33.55	$\infty$	$\infty$	$\infty$
	front	2.59	3.31	4.56	5.61	7.31	9.63	12.6	18.45
11.0	back	3.81	5.61	10.64	19.31	103.62	$\infty$	$\infty$	$\infty$
	front	2.47	3.11	4.18	5.05	6.37	8.06	10.1	13.41
16.0	back	4.34	6.87	16.42	53.97	$\infty$	$\infty$	$\infty$	$\infty$
	front	2.29	2.74	3.67	4.32	5.25	6.34	7.52	9.22

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