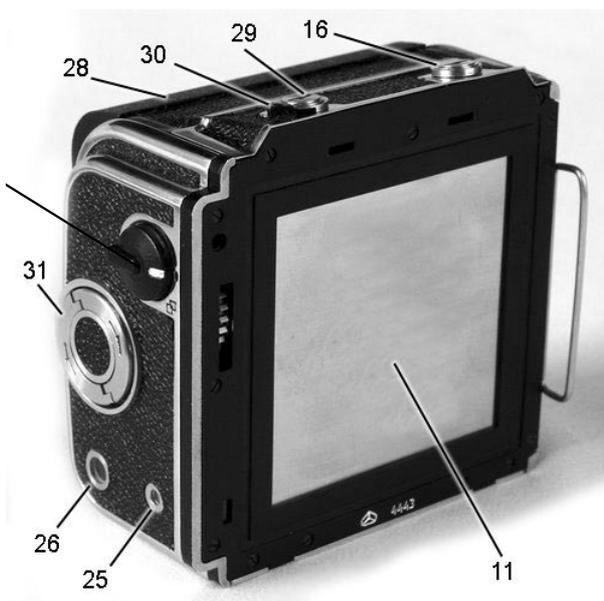


NT film back for KIEV-88, ARAX cameras

Operation Manual

1. GENERAL

The NT (New Technology) filmback (magazine) is intended for use with Kiev 88 single-lens reflex camera and 120 roll film. The film magazine is available for two formats: 6x6cm with 12 frames per roll and 6x4.5cm with 16 frames per roll. The NT magazine provides a double or multiple exposure capability. The frame counter indicates the number of exposures and automatically resets to "0" when the magazine is reloaded.



11	Dark slide
16	Magazine release button
25	Magazine interlock color window
26	Frame counter window
28	Film magazine cover
29	Magazine cover locking button
30	Magazine cover lock lever
31	Film loading wind on key
32	Film feed spool pivot plate
33	Film take up spool pivot plate
34	Film transport insert
35	Double exposure selector

2. LOADING THE FILM MAGAZINE

The magazine is loaded with the film in daylight (preferably in shade). See below.

Open film magazine cover 28 by first turning lever 30 and then shifting button 29 in direction of the arrow.

Take out transport insert 34. Completely tear off the paper band from around the film leader. Place the spool with the film into the seat, and rotate the pivot plate 32 into position to retain the spool, making sure that the pivot stud of the plate enters the spool hole.

Place the takeup spool into position, and close pivot plate 33 so that the pivot stud of the plate will enter the spool hole. Pass the film leader on the guide roller, as shown in the figure above, fit the leader end in the take-up spool and wind the leader by rotating the take-up spool.

Make sure that the leader will be wound straight onto the spool without skewing or crumpling of its edges. Lift one half of key 31 by turning through 90° and by rotating it in the direction of the arrow on the key until the cross arrow on the leader is opposite to the red index on the transport mechanism. Insert dark slide 11 into the seat as far as it will go. Close film magazine cover 28. Turn key 31 in the direction of the arrow until it stops. The number "1" will show in the exposure counter window 26 which corresponds to the first picture on the roll and the white colour indicator will appear in window 25.

3. PREPARING THE FILM MAGAZINE FOR SHOOTING

Cock the shutter by turning the film advance/cocking knob until it stops. Fit loaded magazine 10 on the camera catches and press the top of the magazine towards the camera until the latch clicks. When installing the film magazine with a partially exposed film, be sure that the colour of signals in windows on the magazine and camera match, otherwise a double exposure or a blank frame will occur. The state of film transport vs. shutter cocking is displayed by the colour of signals in these windows (ref. to the Table).

Signal colour	Window in the film magazine	Window in the camera
White	Film in the picture window has NOT been exposed	Shutter cocked
Red	Film in the picture window has been exposed	Shutter released

NOTE: It may turn out that some magazines cannot be inserted in the camera's seat (i.e. their sizes do not match accurately to the size of the camera). This happens with magazines which were manufactured without proper quality control.

Please remember that the correct, high quality operation of the camera is guaranteed **ONLY** if you use the magazines of the original manufacturer (in this case ARAX). **DO NOT ATTEMPT TO USE ARAX magazines on Hasselblad cameras and DO NOT USE Hasselblad magazines on ARAX cameras!**

4. UNLOADING THE FILM MAGAZINE

You can make shots until "K" appears in the frame counter window, indicating that the all film has been used. In this case insert the magazine slide into the magazine slide socket against stop and remove the film magazine from the camera by shifting the magazine lock button in the arrow direction. Fold out the film wind on key and rotate it in the arrow direction until the film has been rewound on the take-up spool. When the film is rewound, the key becomes easy to turn.

Open the magazine cover. Remove the transport mechanism from the magazine. Flip up the clip and remove the spool with exposed film. Return the clip to the initial position. Install the transport mechanism into the film magazine and close the magazine cover.

5. CARE AND STORAGE

The magazine is a complicated mechanism and should be handled and kept with great care. Protect the magazine against impacts, sudden temperature changes as well as against dust and moisture. Having brought the magazine from the frosty weather into a warm room do not use it immediately, let it get warm to avoid sweating of the surfaces.

Should dust or moisture get on the magazine parts remove it with a soft brush or cotton wad moistened in spirit-and-ether mixture.

6. ACCEPTANCE CERTIFICATE

It is hereby certified that the NT film back, serial #....., complies with the technical documentation and is found fit for service.

Date of manufacture _____

Accepted by _____
signature

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