

ALTO

120 Camera Module

User Guide

Part Number
209647-001



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For complete disclaimer and trademark information, refer to the *Alto User Guide*, Part Number 209475.

Table of Contents

Unpacking	1
Description and Specification	2
Description	2
Supported 120 Film	2
Environmental Specifications	3
Installation	4
Installation of the Agfa Alto 120 Camera Back	4
Selecting the Film Type	4
Loading the Film	5
Advancing the Film Manually	6
Unloading the Film	6
Cleaning the Optical Lens	7

Unpacking

Unpack the camera module from the packaging and check it for shipping damage or shortages of accessories. All shipping damage claims must be reported to the shipping company. Agfa is not responsible for goods damaged by the shipping company. If any accessories are missing, please contact your local dealer.

Save the shipping carton and all interior packing materials. This might be needed for reshipment of the module at a later date if necessary.

Note: Please insert this document (*Alto 120 Camera Module User Guide*) into your *Alto User Guide* (P/N 20475) binder for future reference. All page references to the *Alto User Guide* are to revision level -003 or higher.

Description and Specification

Description

This camera back consists of the following accessories:

- 120 Camera Module housing
- 120 film transport/holder
- *Alto 120 Camera Module User Guide*
- Lens Cleaning Paper

This camera back consists of the following:

- Mamiya body based camera
- Mamiya Film Holder

Supported 120 Film

- Type 120/9 frames per roll

Note: In future Alto Firmware releases, the following list may be expanded.

- AgfaChrome RS100 +
- Agfacolor Optima
- Ektachrome 100 ASA
- Vericolor III Type S

Environmental Specifications

While engaged to the Alto film recorder, this camera module is approved to the following Agencies:

- EN60 950
- UL 1950
- CSA 950

The specifications are:

- Acoustic noise in operation: less than 45 db.
- Weight: 2 kg (4.4 lbs.)
- Operation Temperature: 10 to 40 C (50 to 104 F)
- Operation Humidity: 25% to 75% RH non-condensing
- Operation Vibration: Mil STD 810D

Installation

Note: Refer to the illustration in Chapter 2 of the *Alto User Guide* while installing the camera module.

Installation of the AGFA Alto 120 Camera Back

Place the Alto 120 camera module on the Alto as described below:

1. Align the 120 camera module inside the recessed area on top of the Alto. The module fits tightly on the module connector located on the top of the Alto. The camera module can only be placed in one direction for the connector to line up correctly.
2. Turn both locking screws, on the two sides of the module, clockwise until they are tight. The Alto takes about 30 seconds to re-initialize after a new module is engaged.

Selecting the Film Type

Note: The camera module must be connected before you select the film type. Some RIPs and film recorder drivers select the film type from the front end automatically and may override manual settings on the Alto front panel.

On the Alto front panel:

1. Press the MENU button once, then select FILM CONTROL.
2. Press PREVIOUS or NEXT until the display reads "SELECT FILM."
3. Press the SELECT button to choose this option. The display shows the currently selected film type.
4. Press NEXT or PREVIOUS to select the film type you want.
5. When you reach the film type that matches the film being used, press SELECT. The Alto loads the appropriate information and recalibrates.
6. After calibration is complete, press the MENU button twice to return to the ready state.

Loading the Film

Note: The following procedures use the Mamiya camera back. For more information regarding operation of the 120 camera module, please refer to the Mamiya booklet shipped with your system.

1. Push open the two cover latches located on the right side of the camera module. These latches secure the cover of the Mamiya back.
2. Open the cover and remove the film holder (also called the film insert or film transport).
3. While holding down the left-hand spool release pin, remove the take-up spool.
4. While holding down the right-hand spool release pin, place the take-up spool in the right-hand slot.
5. While holding down the left-hand spool release pin, insert a new roll of film in the left-hand slot.
6. Pull the backing paper of the film to the left, over the bottom roller, across the back, and over the right hand roller. When loaded correctly, the inside of the backing paper (black side) appears outside of the insert back.
7. Insert the tip of the backing paper into the slot of the take-up spool.

Note: When pulling out the backing paper, take special care that it does not exceed the start mark.

8. Gently wind the film advance knob until the arrow of the backing paper aligns with the insert start mark.
9. Place the film holder back into the outer cassette.
10. Close the back cover and, while gently holding it in place, push the two cover latches back in place.

Note: Before imaging, remove the dark slide. When imaging is complete, replace the dark slide.

Advancing the Film Manually

Wind the Film Advance Knob of the film holder until the knob stops. To advance the film from the Alto, refer to Chapter 4 of the *Alto User Guide*.

Unloading the Film

1. Push open the back cover latches located on the left side of the camera module.
2. Open the back cover and remove the film holder.
3. While holding down the right-hand spool release pin, remove the film, taking care that the backing paper does not unroll or become loose.
4. Remove the empty spool from the left side of the film holder.
5. Place the spool on the right-hand side so that it now becomes the take-up spool.

When the back cover of the film back is opened, the exposure counter automatically returns to "S" (START).

Cleaning the Optical Lens

Equipment Required: Soft Lens Cleaning Paper

Note: Refer to page 10-2 of the *Alto User Guide* while cleaning the optical lens.

1. Turn off the Alto. Remove the camera back and camera module.
2. Find the lens inside the camera module. Using the Soft Lens Cleaning Paper, gently wipe both sides of the lens to clear any dust.

Caution: Do not use any cleaners on the lens or filters that are not approved for use on coated photographic lenses. If the camera back is removed from the Alto, cover the camera lens with its protective cap and dark slide.

