

Mamiya 645 AFD Instruction Manual Companion for
Digital Photography



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Congratulations on your purchase of the Mamiya 645AFD. To make the transition from film to digital easier, we are including this digital companion that explains all of the new indicators you will see on the LCDs of your Mamiya 645AFD. Please read the owner's manual before reading this companion. Because the Mamiya 645AFD was made to communicate with digital camera backs, these indicators will inform you of the status of the communications between your Mamiya 645AFD and digital camera back. If you do not have a digital back, these indicators will not appear and you do not have to read any further.

There are three basic modes that your Mamiya 645 AFD goes through when taking a digital image. First is the Normal or pre-capture mode. The camera is in this mode before the shutter is released. While in this mode the camera virtually acts as if there were a film magazine attached. Shutter speeds and apertures are displayed on the internal and external LCD displays.

The second mode is after the shutter release button has been pressed. This is the Capture mode. At this time the Mamiya 645 AFD will start to act very differently when a digital back is attached. There is a whole new set of indicators that will be displayed on the LCD displays of the camera.

The After Capture mode is the third and final mode. Again, in this mode there are new indicators that will appear on the camera's LCD displays. The following will describe these displays and what they signify.

Please note:

All of the following displays are possible. They will be displayed on the Mamiya 645 AFD's internal and external LCDs. Some digital backs will not display some or any of the following information. This will depend on the digital back manufacturer's design.

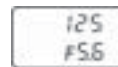
Condition #1

This display will appear before the shutter has been released (Normal mode). At this point the Mamiya 645AFD will act as if there is a film magazine attached and will display shutter speed and aperture respectively. This indication will not appear under conditions 4b, 5 and 6.

Internal LCD

The internal LCD display shows the shutter speed '125' and the aperture '5.6' in a white digital font on a black background.

External LCD

The external LCD display shows the shutter speed '125' and the aperture 'F5.6' in a white digital font on a black background.

Condition #2

This will appear under normal shooting conditions after the shutter has been released (Capture mode). CaP db tells us the digital back is in the process of capturing an image. It will be displayed until the digital capture is complete except under conditions 4b, 5 and 6.

The internal LCD display shows 'CaP' on the top line and 'db' on the bottom line in a white digital font on a black background.The external LCD display shows 'CaP' on the top line and 'db' on the bottom line in a white digital font on a black background.

Condition #3

After the CaP db display these indicators may appear (After Capture mode). Db-E indicates a digital back exposure warning. The +1.3 confirms the meter reading is +1.3 stops higher than the set exposure on the camera. It will appear in the Manual and X exposure modes. If the exposure setting set on the camera does not agree with the exposure determined by the meter, this will be displayed showing the difference between the two. When this appears, it will blink for three seconds. It can be cancelled by pressing any button.

The internal LCD display shows 'db-E' on the top line and '+1.3' on the bottom line in a white digital font on a black background.The external LCD display shows 'db-E' in a white digital font on a black background.

Condition #4

After CaP db is displayed these indicators may appear (After Capture mode). It confirms the digital back is storing an image and that there are certain number of frames left in the memory of the digital back. This indicator shows the remaining frames left by displaying Stor 88 (where 88 is a number between 99 and 1). This will be displayed when the frames-to-go is less than 100. This display will blink for 3 seconds and can be cancelled by pressing any button. Note: Some digital backs will only display Stor db in this instance. If the db-E and Stor conditions are both true, the db-E will be displayed for 3 seconds and then Stor will be displayed for 3 seconds.

Internal LCD

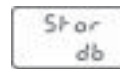


External LCD



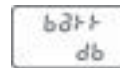
Condition #4b

This indicator may appear before the shutter has been released (Normal mode). This is warning that the storage capacity of the digital back has been reached. If the shutter release button is pressed at this time the -no- db indication will blink for 3 seconds.



Condition #5

When the battery of the digital back has been exhausted this indication will appear. If the shutter release is pressed the -no- db indication (see condition #7) will be displayed and blink for 3 seconds.



Condition #6

When the digital back or host computer is busy, this indicator will be displayed. If the shutter release is pressed the -no- db indication (see condition 7) will be displayed and blink for 3 seconds.

Internal LCD



External LCD



Condition #7

If the digital back is connected to the Mamiya 645AFD and the connection to the host computer is not installed, this will be displayed when the shutter release is pressed. This will also appear under the previous three conditions when the shutter release is pressed.





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