

ExpoDisc Professional Digital White Balance Filters

Pentax Custom WB Procedures

Pentax K10D

Manual White Balance is used to record and recall custom white balance settings. White balance is measured with reference to a neutral gray object such as the ExpoDisc. The new value for white balance will be automatically stored in the *Manual White Balance* setting, no image is recorded when the shutter is pressed to register the white balance reading. Refer to your camera's instruction manual for more details concerning the white balance.

Repeat these procedures whenever the lighting condition changes.

1. Allow the camera to set an automatic exposure using the **P**, **Tv**, or **Av** modes, or set the correct manual exposure in the **M** mode.
2. Set the camera lens to the **Manual** Focus mode.
3. Press the **Fn** button for the Function menu.
4. Press the **Four-way controller** until the White Balance Screen appears.
5. Select the **Manual White Balance** setting.
6. Press the **Four-way controller** for the **White Balance fine tune screen** .
7. Put the **ExpoDisc** on the front of your camera.
8. Press the shutter release fully to take the measurement.
9. Select the entire screen for the measuring range.
10. Press the **OK** button.*
11. Press the **OK** button to return the camera to the **White Balance Screen**.
12. Remove the **ExpoDisc**.
13. Press the **OK** button twice. You are ready to take pictures using the **Manual White Balance**.

* Note:

If [NG] appears when taking the measurement, Step 8, no measurement was taken, either the picture is overexposed or underexposed. Press the OK button while [NG] is displayed to return to the White Balance Screen. Adjust the camera for the correct exposure and retake the White Balance measurement.

Pentax K100D and K110D

Manual White Balance is used to record and recall custom white balance settings. White balance is measured with reference to a neutral gray object such as the ExpoDisc. The new value for white balance will be automatically stored in the Manual White Balance setting, no image is recorded when the shutter is pressed to register the white balance reading. Refer to your camera's instruction manual for more details concerning the white balance.

Repeat these procedures whenever the lighting condition changes.

1. Allow the camera to set an automatic exposure using the **P**, **Tv**, or **Av** modes, or set the correct manual exposure in **M** mode.
2. Set the camera lens to the **Manual** Focus mode.
3. Press the **Fn** button for the Function menu.
4. Use the **Four-way controller** to navigate to the **White Balance screen**.
5. Select the **Manual White Balance setting**.
6. Press the **Four-way controller arrow** to the right and the white balance message screen will appear.
7. Put the ExpoDisc on the front of your camera.
8. Aim the camera in the appropriate direction for the given lighting condition(See the ExpoDisc Instruction manual for more information on where to aim the camera).
9. Press the shutter release fully to take the measurement. **OK** will appear on the LCD screen when the setting is completed*.
10. Remove the ExpoDisc. Return to auto focus and select the parameters you want to use for photographing.

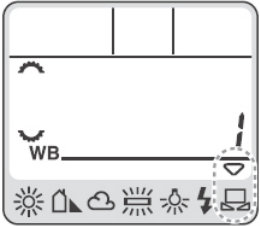
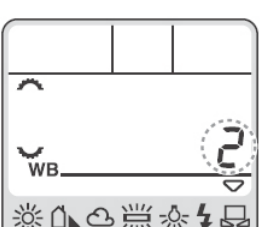
*Note:

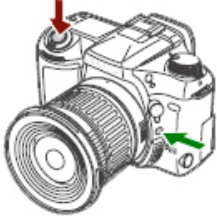
If **NG** appears, the custom white balance was not successfully taken. Either the picture is overexposed or underexposed. Press the **OK** button. Adjust the camera for the correct exposure and repeat from Step 7.

Pentax *ist D

You can set the white balance with an ExpoDisc under the lighting conditions to be used for taking pictures. The white balance set manually can be stored in memory in one of three "Registration Numbers". No image is recorded when the shutter release is pressed to register the white balance.

Repeat these procedures whenever the lighting condition changes.

	<p>1 Set the mode dial to WB.</p>
	<p>2 Select manual white balance. Look at the LCD panel and turn the <i>Av Dial</i> to select the manual white balance icon.</p> <p>3 Select memory location. Look at the LCD panel and turn the <i>Tv Dial</i> to select the registration number (1~3) for placing the manual white balance in memory. [Number 2 in this example.]</p>

	<p>4 Set the mode dial to the correct capture mode. In order to set a custom white balance, adjust the camera's <i>Mode Dial</i> to one of the following modes: P, Tv, Av or M. If using M, set your exposure after placing the ExpoDisc on your lens.</p>
	<p>5 Use the ExpoDisc to take a photograph. Place the ExpoDisc on the lens. Set the lens focus mode switch to <i>Manual Focus</i>. * Hold down the manual white balance button and press the shutter release button while aiming the camera towards the scene or light source. No image is recorded. [OK] appears in the LCD monitor when the WB was correctly set; [NG] appears when incorrectly set. If incorrectly set repeat the above steps. *</p>
	<p>6 Start shooting with the ExpoDisc white balance. If not already set on manual white balance, set the mode dial to WB and turn the <i>Av Dial</i> to select the manual white balance icon and the <i>Tv Dial</i> to the memory location where you saved the manual white balance. Remove the ExpoDisc, return the camera to auto-focus mode and start shooting.</p>
<p>* Notes:</p> <ul style="list-style-type: none"> ☞ Some cameras do not allow the shutter to be tripped unless the image is in focus. When the ExpoDisc is on the lens there is no image for the camera to focus on. In this case set your camera to manual focus. Return your camera to auto-focus (if you so desire) afterwards. ☞ If the exposure obtained in step 5 is under or over exposed, a correct white balance might not be obtained. This usually happens when you are using the manual exposure mode. In order to get a correctly exposed image temporarily set your camera to P, Tv, or Av and let the camera expose the image automatically. Then return to manual mode and set the exposure as you normally would to continue shooting your subject. 	