TTL AUTO FLASH OPERATION

The Promaster 7200EDF digital flash unit is provided with an automatic metering system. The camera's auto exposure function will automatically operate with this external flash to make the results of your flash photography even clearer and more natural, increasing the illumination area and allowing sophisticated flash techniques such as bounce-flash photography. Available light is metered through the camera's lens (TTL) and illumination is set automatically.

- All flash exposure settings are in the camera's control menu.

CANON (CN) unit:
- E-TTL Auto - The flash is controlled entirely by the camera, based on the information sent from it. The flash fires a pre-flash before the main flash fires so that the camera can obtain the necessary evaluative information on the subject. The data obtained is incorporated to set the more accurate output of the main flash automatically.

NIKON (NIK) unit:
- i-TTL Auto - The flash is controlled entirely by the camera, based on the information sent from it. The flash fires a series of imperceptible Monitor Pre-flashes just before the flash fires so that the camera can obtain necessary information on the subject. The subject is then correctly exposed by the light from the flash and the exposure is hence less affected by the ambient light than in the conventional TTL mode. This is the feature of the new NIKON Creative Lighting System (CLS).

PENTAX (PK) unit:
- P-TTL Auto - The flash is controlled entirely by the camera, based on the information sent from it. The flash fires a pre-flash before the main flash fires so that the camera can obtain the necessary information on the subject to set the output of the main flash automatically.

SONY (SN) unit:
- ADI/P-TTL Auto - The flash is controlled by the camera, based on the information sent from it. The flash fires a pre-flash before the main flash fires so that the camera can obtain the necessary information on the subject to set the output of the main flash automatically.

ADI * (Advanced Distance Integration flash metering) - Combines distance information from the autofocusing system with information from a pre-flash exposure.

* High Accuracy ADI in combination with D Lens (Lens with built-in distance encoder)

OLYMPUS (QD) unit:
- TTL Auto - The flash is controlled entirely by the camera, based on the information sent from it. The flash fires a pre-flash before the main flash fires so that the camera can obtain the necessary information on the subject to set the output of the main flash automatically.
THE PROMASTER 7200EDF DIGITAL FLASH UNIT IS DEDICATED TO WORK WITH COMPATIBLE CAMERAS ONLY.

- 7200EDF-CN FITS CANON DIGITAL CAMERAS WITH E-TTL/E-TTL II AUTOFLASH METERING SYSTEM.
  (E.G. COMPATIBLE WITH REBEL XT, XT, 30D, 30DG)

- 7200EDF-48K FITS NIKON DIGITAL CAMERAS WITH i-TTL AUTOFLASH METERING SYSTEM.
  (E.G. COMPATIBLE WITH D600, D80, D70, D70S, D50, D40, D40X)

- 7200EDF-PX FITS PENTAX DIGITAL CAMERAS WITH P-TTL/TTL AUTOFLASH METERING SYSTEM.
  (E.G. COMPATIBLE WITH K10D, K100D)

- 7200EDF-OM FITS OLYMPUS DIGITAL CAMERAS WITH TTL AUTOFLASH METERING SYSTEM.
  (E.G. COMPATIBLE WITH E1, E300, E500, E410)

- 7200EDF-SN FITS SONY DIGITAL CAMERAS WITH ADI/P-TTL AUTOFLASH METERING SYSTEM.
  (E.G. COMPATIBLE WITH A100)

- USE WITH INCOMPATIBLE CAMERAS MAY CAUSE DAMAGE TO THE CAMERA, THE FLASH UNIT OR BOTH.
- WHEN MOUNTING THE FLASH UNIT TO THE CAMERA, ALWAYS ENSURE THAT THE FLASH UNIT IS SWITCHED OFF.
- AS DIFFERENT MODELS OF CAMERAS OPERATE DIFFERENTLY FOR FLASH PHOTOGRAPHY, YOU SHOULD READ THE INSTRUCTION MANUAL OF YOUR CAMERA FOR DETAILS OF FLASH OPERATION.

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AF ILLUMINATOR FOR Autofocusing
When subject contrast is low or in low light, the AF illuminator is automatically activated when the camera's shutter release button is pressed halfway. This illumination enables the camera's autofocus system to focus correctly. The AF illuminator enables autofocusing with subjects up to about 10 feet away. This working range of the AF illuminator is based on standard testing method with a 50 mm lens.

- The AF illuminator may not be effective if your subject has low reflectance.
- On certain camera models, this AF assist light is overridden by the AF assist light on the camera.

AUTO CHECK LAMP
If exposure is sufficient, the auto check lamp "OK" on the flash unit will briefly glow after the camera's shutter button is depressed.

AUTO POWER-OFF
This flash unit incorporates a battery saving automatic power-off circuitry. The flash unit automatically turns itself off approximately 5 minutes after the last operation and the ready indicator LED lamp extinguishes itself. The flash can be re-activated for firing by touching the shutter release button on the camera or by pressing the Reset Flash Button once on the flash unit or by switching the flash unit OFF and then ON again.

When used on certain digital cameras, the auto power-off function is controlled by the camera. The flash unit can be automatically turned off only if the digital camera in use is switched off.
SPECIFICATIONS

Power Source : 4 (1.5V) AA Alkaline Batteries or Promaster Rechargeable NiMH Batteries

Guide Number : 100 feet (without Diffuser, at ISO 100)
64 feet (with Diffuser, at ISO 100)

Angle of Coverage : (based on a 35mm format SLR camera)

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<th>With Diffuser</th>
<th>Without Diffuser</th>
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<tr>
<td></td>
<td>28mm</td>
<td>26mm</td>
</tr>
<tr>
<td>Vertical</td>
<td>68°</td>
<td>63°</td>
</tr>
<tr>
<td>Horizontal</td>
<td>88°</td>
<td>70°</td>
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(A wide-angle Diffuser accessory is provided)

Note: The digital camera lenses require shorter focal lengths to obtain the same angle of coverage as their 35mm counterparts. Please check the field of view (FOV) crop factor i.e. focal length multiplier of your digital camera for 35mm equivalent FOV.

TTU Auto Range : Approx. 3 - 71 feet

Recycling Time : 0.3 - 10 sec

Flash Duration : 1/30,000 to 1/1,000 sec

Bounce Angle : 7° to 90°
(Click stops: 7°, 0°, 45°, 60°, 75°, 90°)

* The specifications are based on the latest information available at the time of printing and are subject to change without notice.