Instruction Manual for TUMAX® DPT386AFZ series

Thank you for purchasing TUMAX products
This is an innovative designed electronic flashgun for both digital cameras and film cameras. The features are leading photography into digital era. Advanced technology is used in the flashgun to control the correct amount of light output. Please kindly take few minutes to read the instruction manual before using.

Digital TTL / Auto Focus flash for:

C - Canon Digital E-TTL, E-TTL II cameras & E-TTL film cameras
N - Nikon Digital TTL, i-TTL cameras & TTL, i-TTL film cameras
OP - Olympus & Panasonic Digital TTL cameras
P - Pentax P-TTL Digital & film cameras
Sα - Sony Alpha & Minolta Digital ADI, D Lenses cameras & TTL film cameras

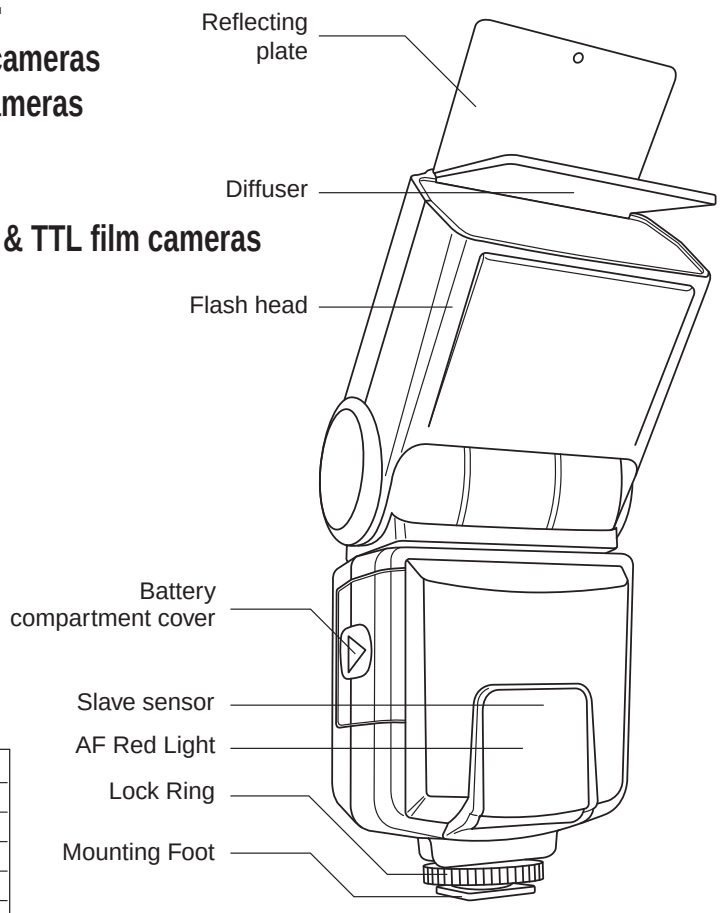
CHARACTERISTICS

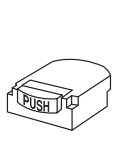
- LC Display
- Auto and manual zoom from 24-28-35-50-70-85mm
- Red focus assist beam for low light focusing
- TTL metering
- Automatic shutter speed setting
- 5 level of power ratio 1/1, 1/2, 1/4, 1/8, and 1/16
- Flash readiness indication in viewfinder
- Front and rear curtain synchronization
- Red eye reduction (for N, OP and P)
- Built-in slave function
- Built-in reflecting plate and diffuser
- Power saving function

SPECIFICATIONS

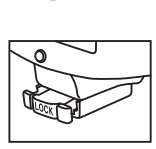
Guide Number (ISO 100)	45(m)/148(ft) at 85mm position
Motor zooming reflector	24 - 28 - 35 - 50 - 70 - 85mm
Power Source	4x 1.5V AA size alkaline batteries
Flash Duration	1/1,000 - 1/20,000 second
Recycling Time	0.5 - 9 seconds
Number of Flashes	80 times with fresh alkaline batteries
Color Temperature	Daylight
Dimensions	Approx. 72 x 100 x 125 mm
Net Weight	Approx. 270 grams (w/o batteries)

* Specifications are subject to change without further notice.
* For Minolta Dynax 3 and 5, select WL from functional dial to on position before using DPT386AFZ-Sα.

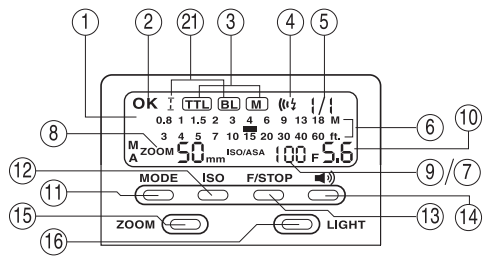


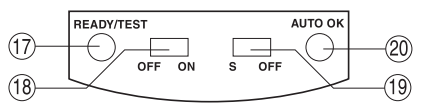


Type Sα Mounting foot

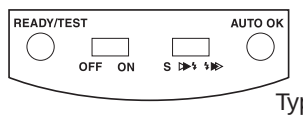


Type OP Mounting foot

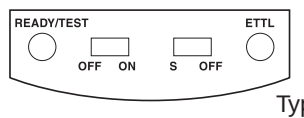




Type N, OP, Sα



Type P

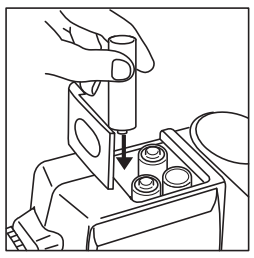


Type C

1. LC Display
2. Auto Check Indicator
3. Mode Indicator
4. Beeper Indicator
5. Power Level Setting
6. Flash Range Distance Bar
7. Power Off Indicator
8. Zoom Position
9. Film Speed Indicator
10. F-Stop Indicator
11. Mode Selector
12. Film Speed Selector
13. F/Stop Selector
14. Beeper on/off
15. Zoom Selector
16. Back Light
17. Ready / Test
18. Power ON/OFF Switch
19. Slave Mode Switch
20. Auto OK
21. Mode Indicator (N only)

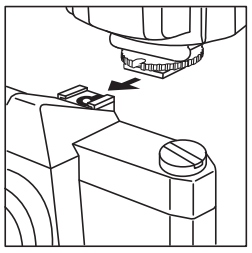
LOADING BATTERIES

- Make sure the main switch at "OFF" position
- Slide the battery compartment cover forward and swing open
- Insert batteries according to the indicated "+/-" symbols
- Close the compartment cover and slide it back to lock in place
- Ensure all batteries must be of same make and have the same charge level, alkaline batteries are preferable



MOUNTING THE FLASHGUN ON THE CAMERA

- For Type C, N & P flash: Loosen the lock ring. Slide the flash into camera accessory shoe. Tighten the flash with the lock ring.
- For Type OP flash: Insert the mounting foot of the flashgun into camera accessory shoe and press "LOCK" to lock the flashgun in place.
- For Type Sα flash: Insert the mounting foot of the flashgun into camera accessory shoe. Then the flashgun is locked in place.

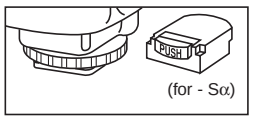


REMOVING THE FLASHGUN FROM THE CAMERA

- For Type C, N & P flash: Loosen the lock ring and remove the flash off backwards.
- For Type OP flash: Press both sides of the Lock/Release button towards the directions as indicated then pull the flashgun off backward.
- For Type Sα flash: Push the Shoe Release button and pull the flashgun off backward.

ON/OFF SWITCH AND FLASH TEST OPERATION

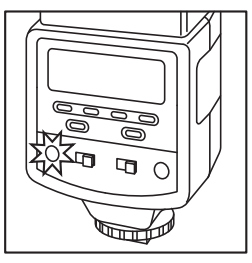
To switch on the flashgun, slide the main switch to "ON" position. The "READY" indicator lights up as soon as the flash is ready for shooting. Press the Test button to ensure the flashgun works properly. If the flashgun discharges completely, wait until the "READY" indicator glows again.
To switch off, slide the main switch to "OFF" position.



(for - Sα)

ILLUMINATION OF LC DISPLAY

LC display is used to show the general information of camera and the current status of flashgun. Every time when the "LIGHT" key is lightly tapped, LC display will be illuminated for about 5 seconds.



TAKING PICTURE, AF / TTL OPERATION

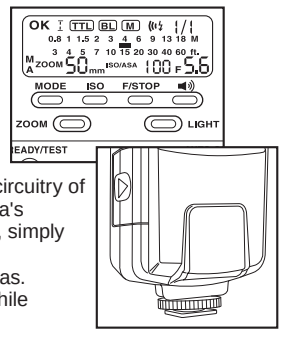
• Automatic flash sync speed control

When the flashgun is ready, the camera will automatically switch it to flash sync speed from program mode or aperture-priority mode selected. The sync speed depends on the camera model and usually ranges between 1/30sec to 1/250sec.
When a flash shot has been taken, "OK" symbol flashes shortly on the LC display to confirm correct exposure.

• Auto-focus "AF" measuring flash

The integrated "AF" red light beam of the flashgun supports the automatic focusing of auto-focus TTL cameras. When the prevailing light is insufficient for automatic focusing, the flashgun will project a red light beam onto the object as soon as the camera's shutter is lightly touched. The camera's auto-focus system then focuses the object by this spot of red light beam.

• TTL flash control



When you switch on the flashgun, it will set at TTL mode firstly and the LC display indicates "TTL". When the Ready indicator lights up, press the shutter release fully to take the picture. The advanced programming and computerized circuitry of the fllashgun provide correct amount of flash light output according to the camera's exposure measurement through the lens (TTL). If you need to change the mode, simply press the mode selector.
For Type C flash: The ETTL indicator will light while connected with ETTL cameras.
For Type N flash: The LC Display will show TTL, I-TTL and BL in different way while connected to different camera models. Please refer to the camera's manual.

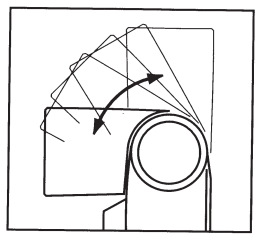
• Manual flash mode at full light output

To use the flashgun at full light output in the manual mode, the mode selector must be set to M (Manual) position. The LC display indicates M (Manual). A full-power flash will then be fired each time the flashgun is triggered. The LC display automatically shows the flash-to-subject distance required for a correct exposure. An adaptation to the individual shooting situation can be achieved by changing the lens diaphragm or the focal length (on the camera). 5 level "Power Ratio" of 1/1, 1/2, 1/4, 1/8 and 1/16 could select by slightly tapping the Mode selector when it is at the manual position.
- For Nikon D40 & D40x owners: The flash can support an ISO speed up to 800 in full auto mode. It may not perform as expected if the ISO speed exceeds the supported range.

FRONT AND REAR-CURTAIN SYNCHRONIZATION

Some cameras offer the option of rear curtain synchronization (Rear mode) triggering the flash unit at the end of the exposure time. Rear curtain synchronization is particularly advantageous when using slow shutter speeds (slower than 1/30 sec.) or when shooting moving objects that have their own source of light. Rear curtain synchronization gives a more realistic impression of movement because the light streaks behind the light source instead of building up in front of it, as is the case when the flash is synchronized with the front shutter curtain. Depending on its operation mode, the camera uses shutter speeds slower than its sync speed.
For Type P flash: You could select the synchronization mode as either front curtain (↯▶▶) or rear curtain (▶▶↯) at the back of the flash. The flash will fire according to the mode selected to match with the camera shutter.
For Type C, N, OP, Sα flash: The camera controls front or rear-curtain synchronization, therefore no setting is required to be done on the flash.

Note: The rear curtain synchronization is only possible on cameras with this feature. See your camera's instruction manual for details.



BOUNCED AND SWIVELED FLASH

Using direct flash to illuminate a subject will result in harsh, unnatural and unattractive shadows. This can be avoided by bounce and/or swivel flash. The flash head of DPT386AFZ can be tilted to an angle of 45º, 60º, 75º, or 90º and rotated horizontally 180º to the left and 90º to the right. You can tilt or rotate the flash head to bounce the light off the ceiling or walls. While shooting indoor, this technique can help to create more natural-looking pictures of people with softer shadows. When using bounce or swivel flash, the zooming position will be locked in 50mm, except in Manual mode.
In order to have your pictures correctly exposed using bounce or swivel flash, the following is recommended to users:
(1) Select white or reflective surfaces to bounce the light off. Otherwise your pictures will come with an unnatural color cast similar to that of the reflecting surface.
(2) Set the camera's exposure mode to Aperture Priority Auto ("A") or Manual ("M")
(3) Use a wider aperture than normally do, as 2 or 3 stops of light can be lost when using bounce or swivel flash

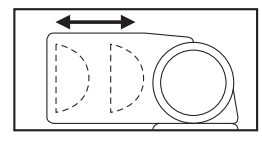
• Reflecting plate and diffuser

The flashgun has built-in reflecting plate and diffuser. You can slide out the reflecting plate or diffuser from the top of flash head. Bouncing the flash head and using reflecting plate can produce more professional looking pictures. The diffuser can reduce strong light to create soft effects.

POWER ZOOMING

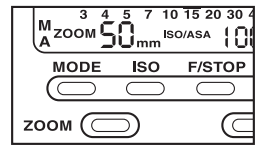
• Automatic motor zoom control

If you use a zoom lens, it could transmit focal length information to the camera. The camera will pass this information to the flashgun. The flashgun then automatically adjusts its zoom position to comply with the focal length of the lens.
Automatic motor zoom control is only possible with cameras that allow digital data transmission to the flashgun.
The LC display on the flashgun indicates the zooming position of 24-28-35-50-70-85mm.
When the flashgun is first switched on, the zoom position is set to 35mm. As soon as the camera's shutter is lightly touched, the focal length of the flashgun is automatically adapted to the focal length of the lens.
If the flash head is at bounce or swivel position, the zooming position of the flash will be adjusted to 50mm and indicated in the LC display as auto mode 50mm.



• Manual motor-zoom control

The "Zoom" key permits you to change the zoom reflector's position independently of the focal length of the lens.
By slightly tapping the "Zoom" key you can select the zoom position in the following sequence: 24-28-35-50-70-85mm.
Auto Zoom position → M24 → M28 → M35→ M50 → M70 → M85 → Auto Zoom position

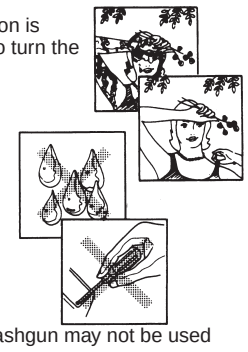


SLAVE FUNCTION

This flashgun can perform as a wireless slave by switching Slave Mode switch to S position. The flashgun will automatically switch to M mode with power ratio 1:1. When the sensor detects a flash from an external source, the flash will be triggered to fire. The amount of light output can be controlled by selecting the power ratio. The power ratio ranges from 1/1 to 1/16. If multiple flashes are used as slave unit, you must adjust the light output from each flash in order to get the correct exposure for your photos. When the slave mode is on, the power saving mode will not function.

POWER SAVING FUNCTION

If there is no communication between the flash and the camera for around 3 minutes, the flash will automatically be switched to power saving mode in order save battery power. A "OFF" sign will appear in the LCD. The Ready light will stay lit on a Type C flash and will be off on a Type N, OP, P, or Sα flash.
To reactivate the flashgun, simply press any push buttons underneath the LC display panel or switch the main switch off and on again.
The flashgun is not completely switched off in power saving mode. However, power consumption is drastically reduced. If you are not going to use your flashgun for a while, we recommend you to turn the flash off.



SAFETY INSTRUCTION

- Do not fire flashes from a short distance directly into the eyes of persons or animals. This can cause damage to the retina and may even lead to blindness.
- Use only the power sources specified in the operation instructions.
- Never attempt to open or short-circuit batteries.
- Never expose dry or rechargeable batteries to excessive temperature such as intensive sunlight or fire.
- Always switches off the flashgun before changing the batteries.
- Do not attempt to open the flashgun because the electronic circuit contains high voltage. There are no components inside the flashgun, which can be repaired by the user.
- If in case of the flashgun is so badly damaged that internal components are exposed, the flashgun may not be used until it has been repaired. Remove the batteries to prevent inadvertent use.
- Never try to repair the flashgun by yourself. If there are any problems, please contact the customer service.

WARNING

This flash unit may halt and could not function when the battery power is not sufficient or when user operates this unit in an inappropriate way
Please switch off the flash unit by its main switch when it is not working correctly. Wait for a few seconds and replace the battery if necessary before switching it on again. The flash unit should work again as normal afterward.