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NEEWER TT560

NEEWER TT560 Speedlite Flash Instruction Manual

Model: TT560

1. Introduction

Thank you for purchasing the NEEWER TT560 Speedlite Flash. This manual provides detailed instructions for safe and effective use of your flash unit. Please read it thoroughly before operation and keep it for future reference.

The TT560 is a manual flash unit designed for universal single-contact hot shoe cameras. It does not support TTL, HSS, or camera menu control for flash exposure. Flash output is adjusted manually on the unit itself.

Package Contents

- 1 x NEEWER TT560 Speedlite Flash
- 1 x Mini Stand
- 1 x Storage Bag
- 1 x User Manual (this document)

Image: NEEWER TT560 Speedlite Flash, mini stand, and storage bag, along with a specifications table.

2. Setup

Battery Installation

The TT560 requires 4 AA batteries (alkaline or Ni-MH rechargeable batteries are recommended). Open the battery compartment cover, insert the batteries according to the polarity indicators, and close the cover securely.

Image: Close-up of the NEEWER TT560 Speedlite flash unit with the battery compartment open, showing the insertion of four AA batteries.

Mounting the Flash

The TT560 is compatible with most DSLR and mirrorless cameras featuring a standard single-contact hot shoe. Ensure your camera has a hot shoe with a central firing pin.

- Slide the flash unit onto your camera's hot shoe.
- Tighten the locking ring or lever to secure the flash in place.

Note: This flash is not compatible with cameras that lack a single-contact hot shoe or have proprietary hot shoe designs (e.g., some Sony models without a standard hot shoe, or specific Fuji models like ZV1-F/A9III/A99/A77/A350/ZV1 Mark2, R6/3000D/1500D/200DII/R50, FUJI X-A3/X100F/X100T). Please verify your camera's hot shoe specifications before use.

Image: Various camera hot shoe types, indicating compatibility with standard single-contact hot shoes (Canon, Nikon, Pentax, Sony, Fuji Film, Olympus) and incompatibility with hot shoes lacking a central contact point.

3. Operating Instructions

Power On/Off

Slide the ON/OFF switch to power on or off the flash unit.

Manual (M) Mode

In Manual (M) mode, you control the flash output power. Press the '+' and '-' buttons to adjust the flash output from 1/128 to 1/1 in 8 steps. This allows for precise control over lighting.

Image: The NEEWER TT560 flash unit displaying its M mode settings, with examples of flash output at 1/128, 1/8, and 1/1 power levels, demonstrating the effect on a subject.

S1/S2 Optical Slave Modes

The TT560 features S1 and S2 optical slave modes for off-camera lighting. These modes allow the flash to be triggered by another flash unit.

- **S1 Mode:** The flash will fire in sync with the first flash detected from a master flash. This is suitable for manual master flashes.
- **S2 Mode:** The flash will ignore the pre-flash from a TTL master flash and fire in sync with the second flash. This is useful when using a camera's built-in flash as a master in TTL mode.

Note: In S1/S2 modes, the hot shoe trigger function is disabled. The optical sensor on the flash unit detects the master flash.

Image: A NEEWER TT560 flash unit mounted on a camera, with two additional TT560 units set up as off-camera slave flashes, illustrating the S1/S2 flash modes for creating various lighting effects.

Flash Head Rotation

The flash head can be tilted from 0° to 90° vertically and rotated from 0° to 270° horizontally. This flexibility allows for bounce lighting and precise light positioning.

Image: Diagrams illustrating the vertical tilt (0-90°) and horizontal rotation (0-270°) capabilities of the NEEWER TT560 flash head.

Color Temperature

The flash provides a stable daylight color temperature of 5600K ± 200K, ensuring consistent color rendition in your photographs.

Image: The NEEWER TT560 flash unit highlighting its 5600K color temperature, with icons representing soft light, even light, and natural dimming effects.

4. Advanced Applications

Bounce Lighting

Utilize the adjustable flash head to bounce light off walls or ceilings. This technique softens the light and creates a more natural illumination on your subject, reducing harsh shadows.

Image: The NEEWER TT560 flash unit demonstrating bounce lighting by tilting the flash head upwards, and also showing the use of the built-in reflector and wide-angle diffuser.

Built-in Reflector and Wide-Angle Diffuser

Pull out the built-in reflector plate and wide-angle diffuser to expand the flash coverage and achieve softer, more natural lighting effects.

5. Troubleshooting Guide

If your flash unit is not functioning as expected, refer to the following common issues and solutions:

Flash Does Not Fire

- **Indicator Light:** If the charging indicator light blinks every 1 second, the battery level is low. Replace the batteries.
- **Mode Setting:** Ensure the flash is in M, S1, or S2 mode. Press the MODE button to cycle through modes.
- **Fujifilm Cameras:** For Fujifilm mirrorless cameras with both electronic and mechanical shutters, the TT560 only

works in mechanical shutter mode. If the flash does not fire, switch to mechanical shutter mode, enable external flash, change the flash setting from OFF to M (manual), refocus, and then return the flash to manual mode.

Exposure Issues

- **Shutter Speed:** For stable synchronization, set your camera's shutter speed to 1/200 second or slower. Using higher shutter speeds may result in black bands or partial flash illumination.
- **ISO Sensitivity:** Start with ISO 100 and adjust according to ambient light conditions.
- **Aperture Setting:** Begin with an aperture of f/2.8 and adjust as needed to achieve optimal exposure.
- **Flash Output:** If images are overexposed, decrease the flash output, ISO, or exposure compensation, or use a smaller aperture. If images are underexposed, increase the flash output, ISO, or use a wider aperture.

Image: A visual troubleshooting guide for the NEEWER TT560, showing the indicator light, mode settings, and common operational issues with suggested solutions.

6. Specifications

Model	TT560
Guide Number	GN38 (ISO 100, meters)
Flash Mode	M, S1, S2
Vertical Rotation Angle	0° - 90°
Horizontal Rotation Angle	0° - 270°
Power Source	4 x AA batteries
Flash Count	100-1500 flashes (with AA alkaline batteries)
Recycle Time	Approx. 0.1-5 seconds
Flash Duration	1/300s - 1/20000s
Color Temperature	5600K ± 200K
Dimensions (D x W x H)	190 x 75 x 55 mm

Weight	286g

Image: A detailed table listing the technical specifications of the NEEWER TT560 Speedlite Flash.

7. Warranty and Support

This product comes with a 1-year manufacturer's warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact NEEWER customer service through the retailer where you purchased the product or visit the official NEEWER website for contact information.

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