Nissin NFG015C

Nissin i60A Flashgun User Manual
MODEL: NFG015C

For Canon Camera Systems

Product Overview

The Nissin i60A Flashgun is a compact and lightweight high-power portable flash designed for Canon camera systems. It features a guide number of 60 (at 200mm zoom head position, ISO 100) and supports TTL exposure control. The flashgun integrates with the Nissin Air System via 2.4GHz wireless communication, offering versatile off-camera lighting options. It also includes a built-in LED video light and comes with essential accessories like a soft box and stand.

A detailed view of the Nissin i60A Flashgun, showcasing its compact design and the main flash head. This image highlights the front of the flash unit, including the Nissin Digital branding and the LED video light panel.

Setup Guide

1. **Battery Installation:** The Nissin i60A requires four (4) AA batteries for operation.
   - Open the battery compartment cover, typically located on the side or rear of the flashgun.
   - Insert four fresh AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
   - Close the battery compartment cover securely.

2. **Mounting to Camera:**
   - Slide the flashgun's hot shoe mount into your camera's hot shoe slot.
   - Secure the flashgun by tightening the locking mechanism (if present) on the flash or camera hot shoe.

3. **Initial Power On:** Press and hold the power button (refer to the flashgun's physical controls for exact location) until the LCD screen illuminates.

Operating Instructions

The Nissin i60A offers various modes and settings for flexible lighting control.

- **Exposure Control (TTL):** The flashgun is designed for TTL (Through-The-Lens) exposure control, automatically adjusting flash output based on camera metering. Ensure your camera is set to a compatible mode.
- **Wireless Modes:**
  - **2.4GHz Nissin Air System (NAS) Radio Wireless:** For advanced wireless control with compatible Nissin Air System commanders. Follow the pairing instructions in the NAS manual.
  - **Optical Wireless TTL Slave:** Functions as a slave unit triggered by another flash's light.
  - **Non-TTL Slave (SD, SF mode):**
    - **SD (Slave Digital) Mode:** Synchronizes with the first flash pulse, ignoring pre-flashes.
    - **SF (Slave Film) Mode:** Synchronizes with every flash pulse, suitable for traditional film cameras or studio strobes without pre-flash.
- **Zoom Head Adjustment:** The flash head's zoom range can be set automatically (24-200mm) or manually. A built-in diffuser provides coverage for 16mm lenses.
- **Bounce Position:** The flash head can be tilted upwards from 0-90 degrees and rotated horizontally from 0-180 degrees left and right for bounce flash photography. The inbuilt bounce card can be extended or retracted even with the soft box in place.
- **Flash Exposure Control:** Supports 1st & 2nd curtain synchronization, high-speed sync, red-eye reduction, and slow sync (camera dependent). FE/FV lock can be set on the camera.
- **AF-Assist Beam:** The integrated AF-assist beam helps the camera achieve focus in low-light conditions, effective from 0.7 to 5 meters.
- **LED Video Light:** The i60A features a 9-level LED video light function, providing continuous illumination for video recording or still photography. It has an approximate running time of 3.5 hours.
- **Control Panel:** Navigate settings and modes using the color LCD with dial control.
- **Manual Mode:** In manual mode, flash power can be adjusted from 1/256 to 1/1 in 1/3 step increments.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the flashgun body. For the flash tube and LCD screen, use a microfiber cloth specifically designed for optics. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the flashgun in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the flashgun or subjecting it to strong impacts. Protect the flash tube from direct contact and scratches.

Troubleshooting

If you encounter issues with your Nissin i60A Flashgun, consider the following common solutions:

- **Flash Not Firing:**
  - Check battery level and ensure batteries are inserted correctly. Replace if low.
  - Ensure the flashgun is securely mounted to the camera's hot shoe.
  - Verify camera and flash settings are compatible (e.g., flash mode enabled on camera).

- If using wireless mode, ensure proper pairing and channel selection with the commander unit.

- **Inconsistent Flash Output:**
  - Check for obstructions between the flash and subject.
  - Ensure the flash head zoom matches the lens focal length or is set to auto.
  - Verify EV compensation settings on both flash and camera.
  - If using an external power source, ensure it is properly connected and functioning.

- **Flash Not Communicating with Camera:**
  - Remove and re-attach the flashgun to the camera hot shoe.
  - Clean the hot shoe contacts on both the flashgun and camera with a clean, dry cloth.
  - Ensure the flashgun's firmware is up to date for compatibility with your camera model. (Contact Nissin support for firmware update procedures).

- **LED Video Light Not Working:**
  - Check battery level.
  - Ensure the LED video light function is activated via the control panel.

Technical Specifications

Guide Number (at ISO 100)	GN60 (at 200mm zoom head position)
Focal Length Coverage	24 - 200mm (16mm when using built-in diffuser)
Power Source	4 x AA batteries or external power source
Recycling Time	0.1 - 5.5 seconds
Number of Flashes (approx)	220 - 1,500 flashes
LED Video Light Operation Time	3.5 hours
Flash Duration	1/800 - 1/20,000 seconds
Colour Temperature	5,600K
Exposure Control	TTL
Wireless Mode	2.4GHz Nissin Air System radio wireless, Optical wireless TTL slave, Non-TTL slave (SD, SF mode)
EV Compensation on Flash	+/- 2EV in increments of 1/3 of EV
Bounce Position	Up 0-90 degrees; Left & right 0-180 degrees
Flash Exposure Control	1st & 2nd curtain synchronisation, high speed sync, red eye reduction, slow sync (dependent on camera), FE/FV lock (set on camera)
AF-Assist Beam Effective Range	0.7 - 5 metres
Operation Panel	Colour LCD with dial control
Manual Mode Power Ratio	1/256 - 1/1 with 1/3 step control
Modes	Auto, manual, SD, SF, wireless with A, B, C & channel selection (2.4GHz Nissin Air System & optical)
External Power Pack Socket	For Nissin power pack & original factory power pack

Product Dimensions	2.87 x 3.86 x 4.41 inches
Item Weight	10.6 ounces
Model Number	NFG015C
Compatible Mountings	Canon
Included Components	Flashgun, Bag, Stand
Color	Black

Warranty and Support

For specific warranty information regarding your Nissin i60A Flashgun, please refer to the warranty card included with your product or contact your point of purchase. Support for the Nissin i60A is provided by Nissin. For technical assistance, service, or firmware updates, please visit the official Nissin website or contact their customer support channels.
Manufacturer: Nissin