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› YONGNUO YN660 Wireless Manual Flash Speedlite Instruction Manual

YONGNUO YN660

YONGNUO YN660 Wireless Manual Flash Speedlite Instruction Manual

Model: YN660

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1. INTRODUCTION

The YONGNUO YN660 is a high-performance wireless manual flash speedlite designed for various camera systems including Canon, Nikon, Pentax, and Olympus. It features a high guide number of GN66 (ISO100, 199mm) and supports multiple flash modes including Manual (M) and Multi (Stroboscopic). The YN660 integrates advanced 2.4G wireless radio technology, enabling both master and slave functionalities for flexible lighting setups. This manual provides detailed instructions for safe and effective use of your YN660 speedlite.

2. SAFETY INFORMATION

- Do not disassemble or attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- Keep the flash unit dry. Do not expose it to rain, moisture, or high humidity.
- Avoid continuous full-power flashes to prevent overheating and potential damage to the flash tube. Allow adequate cooling time between high-power bursts.
- Use only specified batteries. Incorrect battery types or improper installation can lead to leakage, overheating, or explosion.
- Keep out of reach of children.
- Do not point the flash directly at eyes, especially at close range, as it can cause temporary vision impairment.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- YONGNUO YN660 Wireless Manual Flash Speedlite
- Mini Original Stand
- Original Nylon Soft Case

- User Manual (this document)

4. PRODUCT OVERVIEW

The YN660 features a robust design with intuitive controls for efficient operation.





Figure 4.1: Front view of the YN660 Speedlite, highlighting the LCD display and control buttons.

This image displays the front of the YN660 flash unit, featuring the main LCD screen which shows current flash mode, power output, zoom setting, and wireless group/channel. Below the screen are the mode button, function buttons, and the multi-directional dial with a central 'SET' button for navigation and selection. The hot shoe lock is visible at the bottom.



Figure 4.2: Side view of the YN660 Speedlite, showing external ports.

This image shows the side profile of the YN660 flash, revealing the external power port and PC sync port. These ports allow for connection to external power sources or wired sync triggers, expanding the flash's versatility.

Key Features:

- **High Guide Number:** GN66 (ISO100, 199mm) for powerful illumination.
- **Flash Modes:** Supports Manual (M) and Multi (Stroboscopic) modes.
- **Wireless Master Control:** Can control up to six groups of YN660, YN560 IV, and YN560 III flashes, allowing remote adjustment of flash mode, output, and focal length.
- **Wireless Slave Function:** Compatible with YN660, YN560 IV, YN560-TX, RF605, RF603 (II), and RF602 wireless transmitters. Offers 16 channels for selection and remote parameter adjustment when used with YN660, YN560 IV, or YN560-TX as transmitters.
- **Flexible Triggering:** Can be triggered via camera hot shoe, 2.4G wireless, S1 (optical slave without pre-flash detection), and S2 (optical slave with pre-flash detection).

- **Automatic Settings Save:** Flash parameters are automatically saved when the unit is powered off.
- **Custom Settings (Fn):** Allows users to customize flash functions.
- **Zoom Range:** 24-199mm flash head zoom.

5. SETUP

5.1 Battery Installation

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert four AA-size batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery compartment cover securely.

Note: Use high-quality alkaline or Ni-MH rechargeable batteries for optimal performance and recycle times.

5.2 Mounting the Speedlite

On-Camera Mounting:

1. Slide the YN660's hot shoe onto your camera's hot shoe.
2. Rotate the locking ring on the flash unit clockwise until it is securely fastened to the camera's hot shoe.
3. To remove, rotate the locking ring counter-clockwise and slide the flash off.

Off-Camera Mounting (using Mini Stand):

1. Attach the YN660 to the included mini stand by sliding the hot shoe onto the stand's mount.
2. Secure it with the locking ring.
3. Place the mini stand on a flat, stable surface or mount it onto a light stand.



Figure 5.1: Bottom view of the YN660 Speedlite, illustrating the hot shoe and locking mechanism.

This image shows the underside of the YN660 flash, detailing the hot shoe connector and the lever-style locking mechanism used to secure the flash to a camera or stand.

6. OPERATION

6.1 Power On/Off

To power on the YN660, slide the power switch to the "ON" position. To power off, slide it to "OFF".

6.2 Flash Modes

Press the **MODE** button to cycle through available flash modes:

- **M (Manual) Mode:** Allows you to manually set the flash output power from 1/1 (full power) to 1/128 in 1/3 stop increments. Use the multi-directional dial to adjust the power level.
- **Multi (Stroboscopic) Mode:** Fires a series of rapid flashes during a single exposure. In this mode, you can set the flash output, the number of flashes, and the frequency (Hz).

6.3 Zoom Adjustment

Press the **ZOOM/Fn** button (short press) to enter zoom adjustment. Use the multi-directional dial to change the flash head's focal length (24mm, 28mm, 35mm, 50mm, 70mm, 80mm, 105mm, 135mm, 199mm). This helps match the flash coverage to your lens's focal length.

6.4 Custom Settings (Fn)

Long press the **ZOOM/Fn** button to enter the custom settings menu. Use the dial to navigate and the **SET** button to confirm changes. Refer to the on-screen prompts for specific Fn options.

7. WIRELESS FUNCTIONS

The YN660 supports both 2.4G wireless master and slave modes, as well as optical slave modes (S1/S2).

7.1 2.4G Wireless Master Mode

When set as a master unit, the YN660 can control other YN660, YN560 IV, and YN560 III flashes. It supports up to six independent groups (A, B, C, D, E, F).

1. Press the **MODE** button until "Master" or "M" with a wireless icon appears on the display.
2. Use the **Gr/CH** button to select the group (A-F) you wish to control.
3. Use the multi-directional dial to adjust the flash mode, power output, and zoom for the selected group.
4. Ensure all slave units are set to the corresponding 2.4G wireless slave mode and the same channel.

7.2 2.4G Wireless Slave Mode

The YN660 can act as a slave unit, receiving signals from YN660, YN560 IV, YN560-TX, RF605, RF603 (II), or RF602 transmitters. It offers 16 channels.

1. Press the **MODE** button until "Slave" or "S" with a wireless icon appears on the display.
2. Press the **Gr/CH** button to select the desired channel (1-16). This channel must match the master unit or transmitter.
3. When used with YN660, YN560 IV, or YN560-TX as transmitters, flash parameters can be adjusted remotely from the master unit.

7.3 Optical Slave Modes (S1/S2)

These modes allow the YN660 to be triggered by another flash's light pulse.

- **S1 Mode:** The flash will fire in sync with the first flash pulse it detects. This is suitable for manual flashes or flashes without a pre-flash.
- **S2 Mode:** The flash will ignore the first pre-flash from a TTL flash and fire on the second flash pulse. This is useful when using the YN660 as a slave with a camera's built-in flash or another TTL flash that emits a pre-flash.

To activate S1/S2 mode, press the **MODE** button until the S1 or S2 icon appears on the display.

8. MAINTENANCE

- Clean the flash unit with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- Remove batteries if the flash will not be used for an extended period to prevent leakage.
- Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures.
- Protect the flash tube from impact and dirt.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Flash does not fire.	<p>Batteries are dead or incorrectly inserted.</p> <p>Flash is not powered on.</p> <p>Flash is not securely mounted on camera/trigger.</p> <p>Incorrect wireless channel/group.</p> <p>Flash is in sleep mode.</p>	<p>Replace batteries or check polarity.</p> <p>Turn on the flash.</p> <p>Ensure hot shoe is fully inserted and locked.</p> <p>Verify master and slave units are on the same channel/group.</p> <p>Press any button to wake up the flash.</p>
Flash output is inconsistent.	<p>Low battery power.</p> <p>Flash overheating.</p> <p>Interference in wireless signal.</p>	<p>Replace batteries.</p> <p>Allow flash to cool down. Avoid rapid full-power flashes.</p> <p>Change wireless channel or move closer to the transmitter.</p>
Flash head zoom does not adjust.	<p>Flash head is stuck.</p> <p>Internal malfunction.</p>	<p>Gently try to manually adjust the zoom.</p> <p>Contact customer support for repair.</p>

10. SPECIFICATIONS

Feature	Detail
Brand	YONGNUO
Model Number	YN660
Guide Number	GN66 (ISO100, 199mm)
Flash Modes	M (Manual), Multi (Stroboscopic)
Wireless Technology	2.4G Radio Frequency (RF)
Wireless Channels	16
Wireless Groups (Master)	6 (A, B, C, D, E, F)
Triggering Methods	Hot shoe, 2.4G Wireless, S1, S2
Zoom Range	24-199mm (Auto/Manual)
Flash Sync Speed	Up to 1/200s (camera dependent)
Power Source	4 x AA-size batteries
Compatible Mountings	Universal hot shoe for Canon, Nikon, Pentax, Olympus, Fujifilm, Panasonic etc.
Item Weight	610 Grams
Color	Black/White
UPC	740030520511

11. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact YONGNUO customer service directly. Contact details can typically be found on the official YONGNUO website or through your retailer.