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› [YONGNUO](#) /

› [YONGNUO YN685EX-RF Flash Speedlite User Manual](#)

YONGNUO YN685EX-RF

YONGNUO YN685EX-RF Flash Speedlite User Manual

Comprehensive guide for operating and maintaining your YONGNUO YN685EX-RF GN60 TTL Flash Speedlite for Sony Camera.

1. INTRODUCTION

The YONGNUO YN685EX-RF is a high-performance GN60 TTL Flash Speedlite designed for Sony cameras, featuring HSS 1/8000S and a built-in 2.4G trigger system. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.





Image: Front view of the YONGNUO YN685EX-RF Flash Speedlite with its display illuminated.

2. WHAT'S IN THE BOX

Upon unboxing your YONGNUO YN685EX-RF Flash Speedlite, please verify that all the following components are included:

- 1 x YN685EX-RF Flash Speedlite
- 1 x Mini Stand
- 1 x Black Case
- 1 x Manual (English and Chinese)



Image: All components included in the YN685EX-RF package: the flash unit, mini stand, black case, and user manual.

3. SETUP

3.1 Battery Installation

The YN685EX-RF requires four AA batteries for operation. Ensure correct polarity when inserting the batteries.

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

Your browser does not support the video tag.

Video: Demonstrates the process of installing batteries into the YN685EX-RF flash unit, showing the battery compartment and

proper insertion technique.

3.2 Mounting on Camera

To attach the flash to your Sony camera's hot shoe:

1. Ensure the flash is powered off.
2. Slide the flash's mounting foot into the camera's hot shoe.
3. Tighten the locking ring on the flash unit to secure it firmly to the hot shoe.

Your browser does not support the video tag.

Video: Illustrates how to securely mount the YN685EX-RF flash onto a Sony camera's hot shoe and tighten the locking mechanism.

3.3 Initial Power On and Display

After battery installation, power on the flash unit to check its functionality and display:

1. Press and hold the power button until the LCD screen illuminates.
2. The display will show the YONGNUO logo, then transition to the main operating interface.
3. Verify that the display is clear and all indicators are visible.





Image: The YN685EX-RF flash unit with its LCD display turned off, showing the control buttons.

4. OPERATING THE FLASH

4.1 Flash Modes (TTL, M, Multi)

The YN685EX-RF supports multiple flash modes to suit various shooting scenarios:

- **TTL (Through-The-Lens) Mode:** Automatically adjusts flash output for optimal exposure.
- **M (Manual) Mode:** Allows manual control over flash output from 1/1 to 1/128 power.
- **Multi (Stroboscopic) Mode:** Fires a series of rapid flashes during a single exposure, ideal for capturing motion.



4.2 High-Speed Synchronization (HSS)

The HSS function allows the flash to synchronize with shutter speeds up to 1/8000s, enabling flash photography with wide apertures in bright conditions or for freezing fast motion.

4.3 Wireless Radio Trigger System (Master/Slave)

The YN685EX-RF features an integrated 2.4G radio transceiver and receiver, compatible with YONGNUO RF radio trigger systems (RF602/603). It can function as both a master and slave unit.

- **Master Unit:** Controls up to 5 independent groups of compatible YONGNUO flashes (e.g., YN650EX-RF, YN685EX-RF, YN320EX, YN685(II), YN720, YN560 IV, YN660, YN560 III) for remote flash mode, output, and focal length adjustments.
- **Slave Unit:** Receives radio triggering signals from compatible YONGNUO master units and triggers (e.g., YN560-TX (pro), RF603, RF602, YN32-TX).



Image: Diagram illustrating the YN685EX-RF's compatibility as both a master and slave unit with various YONGNUO flash models and triggers.

4.4 Optical Transmission Wireless Slave Flash

In addition to radio, the YN685EX-RF can operate as an optical slave unit, receiving triggering signals from YN320EX and Sony flashes like HVL-F32M, HVL-F60RM, and HVL-F60M for off-camera TTL mode flashing.



Image: Visual representation of the YN685EX-RF operating in slave mode, triggered by other flash units.

4.5 Super-speed Recycle System

The flash boasts a super-speed recycle time of only 2 seconds at full output. Even with non-new batteries, it recycles within 3-4 seconds. An external battery pack can be connected for even faster recycle times.

4.6 Electric Zoom and Power Consumption Display

The YN685EX-RF features both auto and manual zoom functions, allowing the flash coverage to be adjusted from 20mm to 200mm for uniform and effective light distribution. The real-time power consumption display helps monitor battery levels efficiently.



Image: Side view of the YN685EX-RF flash unit, highlighting the external power port and USB update port.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your flash unit:

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

dust and moisture.

6. TROUBLESHOOTING

If you encounter issues with your YN685EX-RF, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Flash does not power on	Low or dead batteries; incorrect battery installation.	Replace batteries; ensure correct polarity.
Flash does not fire	Flash not securely mounted; camera settings incorrect; flash in sleep mode.	Re-mount flash and tighten locking ring; check camera flash settings; press test button to wake flash.
Inconsistent flash output	Low battery power; interference in wireless mode; dirty contacts.	Replace batteries; change wireless channel/ID; clean hot shoe contacts.
Flash head does not zoom	Zoom function disabled or stuck.	Check flash settings for zoom mode; gently try to move the zoom head manually.

If the problem persists after attempting these solutions, please contact YONGNUO customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	YN685EX-RF
Guide Number	GN60 (ISO100, 200mm)
Flash Modes	TTL, M, Multi
High-Speed Sync (HSS)	Up to 1/8000s
Wireless System	Built-in 2.4G RF (compatible with RF602/603), Optical Slave
Master Control Groups	5 independent groups (when used as master)
Recycle Time	Approx. 2 seconds (full power)
Zoom Range	20-200mm (Auto/Manual)
Power Source	4 x AA batteries
External Power Port	Yes
USB Firmware Update	Yes

Feature	Detail
Dimensions	8.66 x 3.94 x 3.74 inches
Weight	2.08 ounces
Compatible Mountings	Sony MI Hot Shoe Mirrorless Cameras

8. WARRANTY AND SUPPORT

YONGNUO products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the official YONGNUO website or contact their customer service directly.

Official Website: <http://www.hkyongnuo.com/>

Firmware Download: <http://www.hkyongnuo.com/xzyzc>