GODOX RT-16

GODOX RT-16 Flash Trigger Set User Manual

Model: RT-16

Introduction

The GODOX RT-16 Flash Trigger Set is a universal wireless remote control system designed for studio strobes and monolights. It operates on a 433MHz frequency with 16 selectable channels, providing reliable synchronization for various camera systems. This manual provides detailed instructions for the setup, operation, and maintenance of your RT-16 Flash Trigger Set.

Safety Information

- Do not expose the device to water or high humidity.
- Do not disassemble or attempt to repair the device yourself. Refer to qualified service personnel.
- Use only specified batteries (AAA for receivers). Ensure correct polarity during installation.
- Keep out of reach of children.
- Avoid dropping or subjecting the device to strong impacts.

Package Contents

The GODOX RT-16 Flash Trigger Set (3-in-1 kit) typically includes the following components:

- 1x RT-16 Transmitter
- 2x RTR-16 Receiver
- 2x 3.5mm to 6.35mm Jack Adapters



This image displays the complete GODOX RT-16 Flash Trigger Set, including one transmitter, two receivers, and two 6.35mm jack adapters.

Product Overview

The RT-16 system consists of a transmitter and one or more receivers, designed to wirelessly trigger studio flash units.

RT-16 Transmitter

The transmitter mounts onto your camera's hot shoe and sends a wireless signal to trigger the flash units.

RTR-16 Receiver

The receiver connects to your studio strobe or monolight via a sync cable and receives the signal from the transmitter to fire the flash.

Setup

1. Battery Installation (RTR-16 Receiver)

1. Locate the battery compartment on the back of the RTR-16 receiver.

2. Slide open the battery cover.
3. Insert two AAA batteries, ensuring correct polarity.
4. Remove any insulating film from the batteries if present.
5. Close the battery cover securely.

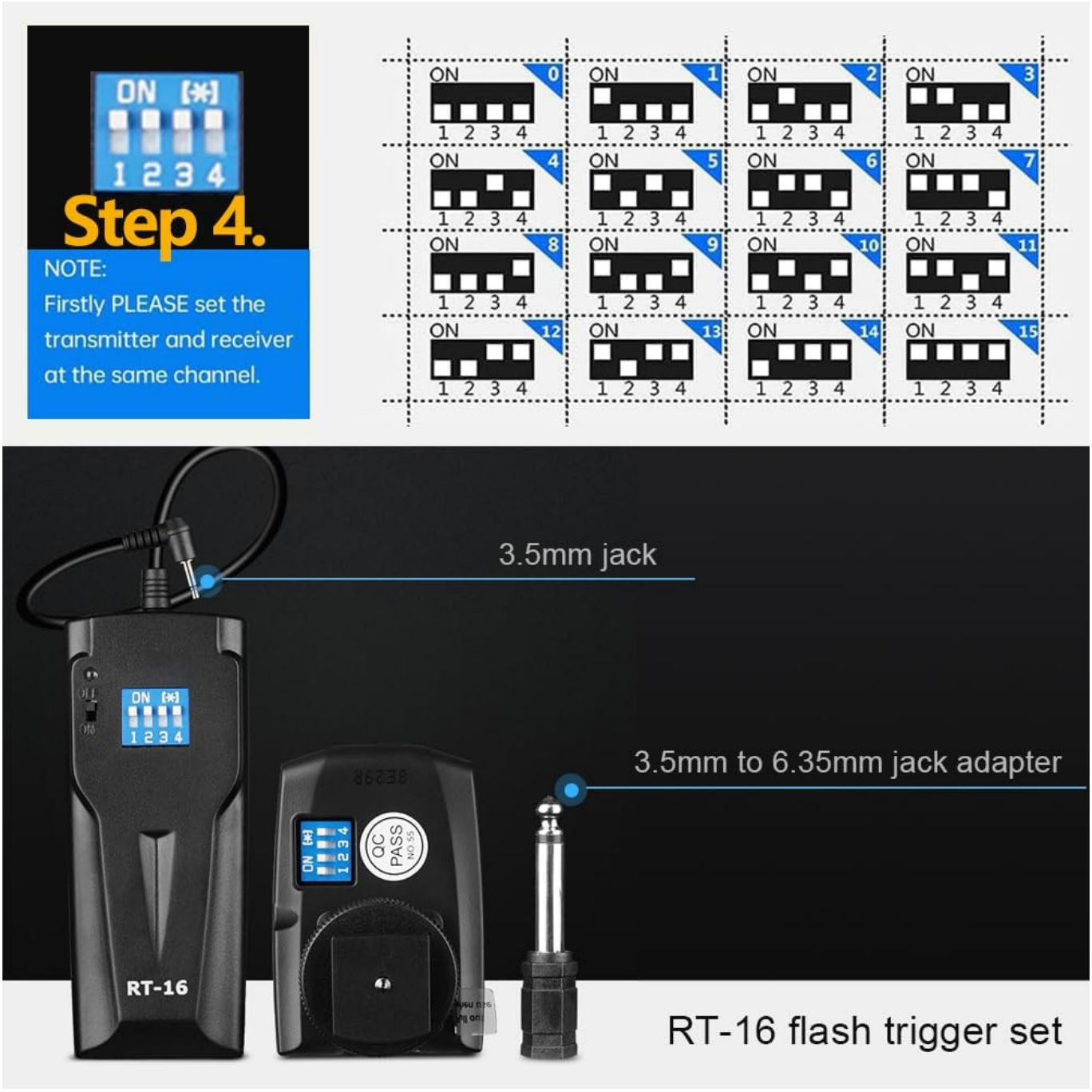


This image illustrates the process of installing two AAA batteries into the RTR-16 receiver. It shows the battery compartment opened and the batteries being inserted, along with a note to remove the insulating film.

2. Channel Setting

Both the transmitter and receiver must be set to the same channel for proper operation. The RT-16 system offers 16 channels.

1. On both the RT-16 transmitter and RTR-16 receiver, locate the channel switches.
2. Use a small tool (e.g., a pen tip) to adjust the switches to select a desired channel (1-16).
3. Ensure the channel settings on the transmitter and all receivers match.



This diagram shows the 16 available channel combinations for the GODOX RT-16 system, illustrating how to set the switches on both the transmitter and receiver to match a specific channel.

3. Connecting the Receiver to a Strobe

1. Identify the sync jack on your studio strobe or monolight. It will typically be a 3.5mm or 6.35mm jack.
2. Connect the 3.5mm sync cable from the RTR-16 receiver to the strobe's sync jack.
3. If your strobe has a 6.35mm jack, use the provided 3.5mm to 6.35mm jack adapter.



This image displays the GODOX RT-16 receiver with its integrated 3.5mm sync cable and a separate 3.5mm to 6.35mm jack adapter, demonstrating how the system connects to different strobe sync ports.



This image shows a hand connecting the 6.35mm adapter to the sync port of a studio strobe, illustrating the physical connection process.

4. Mounting the Transmitter

Slide the RT-16 transmitter onto your camera's hot shoe. Ensure it is securely seated.

Operating Instructions

1. Power on your camera, the RT-16 transmitter, and all connected studio strobes/monolights.
2. Ensure the transmitter and all receivers are set to the same channel.
3. To test the connection, press the "TEST" button on the transmitter. The connected strobes should fire.
4. When taking a photo, the transmitter will automatically trigger the strobes via the receivers.



This image demonstrates the GODOX RT-16 system in use, with the transmitter mounted on a camera's hot shoe and a receiver connected to a studio strobe mounted on a light stand, illustrating a typical setup.

Compatibility

The GODOX RT-16 transmitter is compatible with most cameras featuring a standard hot shoe, including models from Canon, Nikon, Fujifilm, Olympus, and Pentax.

Important Notes:

- It is **not** compatible with Sony MI hot shoe cameras.
- It is **not** compatible with Canon 1500D, 3000D, and 200D Mark II.
- For some older Canon models (e.g., 1500D, 3000D, 200D II), an adapter may be required for full functionality.
- Some camera models (e.g., Sony A99/A77/A350) may require an adapter.
- Canon 100D does not support sync triggering at a shutter speed of 1/250s and 1/200s.
- Canon 100D does not sync at a shutter speed over 1/60s.

- Canon X-A3 does not support legacy hot shoe triggering.

Legacy Hot Shoe Remote Control: RT-16、FT-16、XT-16 flash trigger

Compatible list of the camera

Note: 1. This table only lists the tested camera models, not all cameras. For the compatibility of other camera models, a self-test is recommended.
2. Rights to modify this table are retained.

Brand	Model	Flash Sync
Canon	5DIII	√
	5DIV	√
	70D	√
	80D	√
	1DX	√
	850D	√
	760D	√
	5DII	√
	7DII	√
	6DII	√
	6D	√
	800D	√
	90D	√
	600D	√
	7D	√
	3000D	Unavailable
	1500D	
	200DII	
	M5	√
	M3	√
	EOS RP	√
	EOS R	√
	R5	√
	R6II	√
	R7	√
	R50	unavailable
	60D	√

Note:
1. Camera R50 needs to collocate with an adapter.
2.Canon 1500D, 3000D and 200DII do not support legacy hot shoe triggering.

Brand	Model	Flash Sync
Nikon	D800	√
	D780	√
	D5	√
	D4	√
	D500	√
	D610	√
	D750	√
	D700	√
	D300S	√
	D3300	√
	D3100	√
	D5300	√
	D5200	√
	D5000	√
	Z7II	√
	Z6	√
	Z8	√
	ZFC	√
	D200	√
	D60	√
	D5100	√
	D7500	√
	D7100	√

Brand	Model	Flash Sync
Sony	A7III	√
	A7IV	√
	A7R5	√
	A7RIII	√
	A7RIV	√
	A9	√
	A7RII/V4.0	√
	A7R	√
	A6400	√
	RX10	√
	A99	unavailable
	A77	unavailable
	A77II	√
	A350	unavailable
	ZV-1	√
	ZV-E10	√
	A9III	Unavailable

Note:
1. DSLR cameras A99/A77/A350 need to collocate with adapters.
2. A9III does not support legacy hot shoe triggering.

Brand	Model	Flash Sync
FUJIFILM	X-Pro2	√
	X-T20	√
	X-T2	√
	X-T1	√
	GFX50s	√
	GFX50R	√
	X-T30	√
	X-T4	√
	X-T3	√
	X-Pro1	√
	X-T10	√
	X-E1	√
	X-A3	Unavailable
	X100F	√
	X100T	√
	X-T5	√
	X-T50	√
	X-H2	√

Note:
1. Camera X100F do not support sync triggering at a shutter speed of 1/250 and 1/4000.
2. Camera X100T do not sync at a shutter speed over 1/60.
3. Camera X-A3 does not support legacy hot shoe triggering.

Brand	Model	Flash Sync
Pentax	K-3II	√
	645Z	√
	KP	√
	K-70	√
	K-S2	√
	K-1	√
	K50	√

Brand	Model	Flash Sync
Leica	SL1	√
	M10	√
	Q2	√
	TYP601	√
	LEICA-CL	√
	LEICA-SL2	√

Brand	Model	Flash Sync
Olympus	E-M1	√
	PRN-F	√
	E-M10II	√
	E-M10III	√
	E-PL8	√
	E-P5	√
	E-M5II	√

Brand	Model	Flash Sync
Panasonic	GH4	√
	LX100	√
	GF1	√
	G85	√
	GX85	√
	FZ2500GX	√
	S1R	√
	GH5	√
	G7	√







This image displays a detailed compatibility chart for the GODOX RT-16 flash trigger, listing various camera models from Canon, Nikon, Sony, Fujifilm, Pentax, Leica, Olympus, and Panasonic, indicating their flash sync capabilities with the RT-16 system.

MAINTENANCE

- Keep the devices clean and dry.
- Use a soft, dry cloth to wipe surfaces. Avoid abrasive cleaners.
- Remove batteries from receivers if not in use for extended periods to prevent leakage and potential damage.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Flash not firing:

- Ensure both the transmitter and receiver are powered on.
- Verify that the transmitter and receiver are set to the exact same channel.
- Check battery levels in the receiver. Replace if low.
- Ensure the sync cable is securely connected to the strobe's sync port.
- Confirm the transmitter is securely mounted on the camera's hot shoe.
- Check camera compatibility (refer to the compatibility section).

Inconsistent firing:

- Check for potential radio interference from other wireless devices. Try changing to a different channel.
- Ensure the working distance between the transmitter and receiver is within the specified 30 meters. Obstacles can reduce range.
- Verify battery levels in the receiver and replace if necessary.

Specifications

- **Brand:** GODOX
- **Model:** RT-16 (Transmitter), RTR-16 (Receiver)
- **Working Frequency:** 433MHz
- **Channels:** 16
- **Synchronization Speed:** Up to 1/200s
- **Wireless Control Distance:** Up to 30 meters (open area)
- **Receiver Power Supply:** 2x AAA batteries (not included)
- **Transmitter Power Supply:** Built-in battery (replaceable, screw located under "QC" label)
- **Sync Jack:** 3.5mm (with 6.35mm adapter included)
- **Package Dimensions:** 13.82 x 3.27 x 1.77 inches
- **Item Weight:** 8.1 ounces

Warranty and Support

For detailed warranty information, technical support, or service inquiries, please refer to the official GODOX website or contact your authorized retailer. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question