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GODOX CT-16 16 Channels Wireless Flash Trigger Transmitter Receiver Set User Manual

1. INTRODUCTION

The GODOX CT-16 is a reliable 16-channel wireless flash trigger system designed for photographers using DSLR cameras and studio or speedlight flashes. This set includes both a transmitter and a receiver, enabling remote synchronization of your flash units with your camera. It operates on a 433MHz frequency, ensuring stable transmission and a working distance of up to 30 meters without directional limitations. This manual provides detailed instructions for setting up, operating, and maintaining your CT-16 system.



Image 1.1: The GODOX CT-16 Transmitter unit held in hand.

2. PRODUCT COMPONENTS

The GODOX CT-16 Wireless Flash Trigger set typically includes the following components:

- 1 x CT-16 Transmitter
- 1 x CT-16 Receiver
- 1 x 3.5mm to 6.35mm Adapter (for studio flashes)
- 1 x PC Sync Cord (for cameras without hot shoe)
- 1 x User Manual



Product List:

- 1.CT-16 Receiver*1
- 2.CT-16 Transmitter*1
- 3.3.5 to 6.35 Adapter*1
- 4.Studio Light Sync Line*1
- 5.Summary Cleaning Cloth*1

Image 2.1: Overview of the GODOX CT-16 product packaging and included accessories.

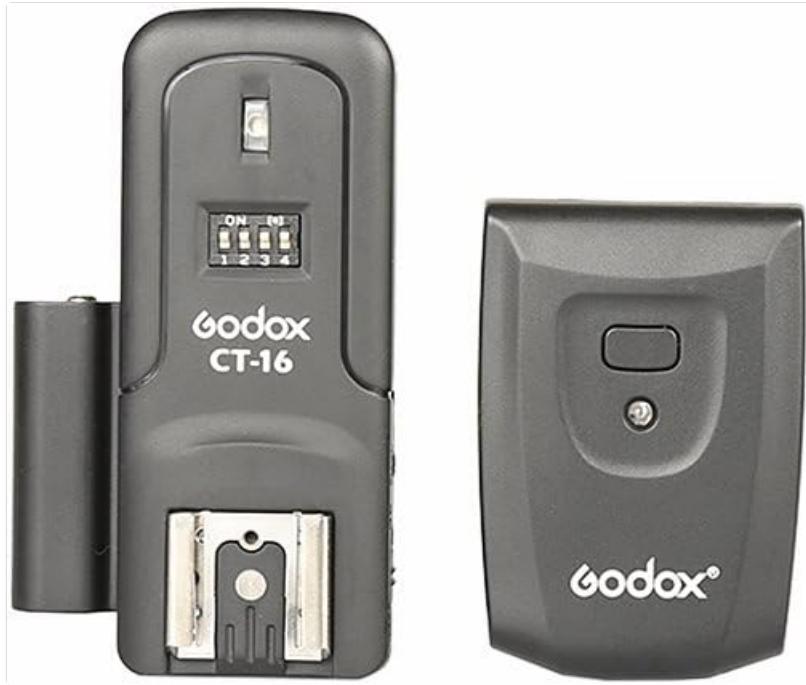


Image 2.2: The GODOX CT-16 Transmitter and Receiver units.

3. SETUP

3.1 Transmitter Setup

- 1. Install Battery:** Open the battery compartment on the side of the transmitter and insert one 12V battery (e.g., A23 type), ensuring correct polarity.
- 2. Mount on Camera:** Slide the transmitter onto your camera's hot shoe. Secure it by tightening the locking ring or lever if present.
- 3. Set Channel:** Locate the 4-digit DIP switches on the top of the transmitter. Set the switches to your desired channel (1-16). Ensure this channel matches the receiver's channel.



Image 3.1: Top view of the GODOX CT-16 Transmitter, highlighting the channel DIP switches and hot shoe mount.



Image 3.2: Close-up view of the transmitter's channel DIP switches.

3.2 Receiver Setup

- 1. Install Batteries:** Open the battery compartment on the receiver and insert dry batteries (e.g., AAA or AA, depending on model), ensuring correct polarity.
- 2. Connect to Flash:**

- **For Speedlights:** Slide the speedlight onto the receiver's hot shoe.
- **For Studio Flashes:** Connect the receiver to the studio flash's sync port using the provided sync cord (and 3.5mm to 6.35mm adapter if needed).

3. **Set Channel:** Locate the 4-digit DIP switches on the receiver. Set them to the exact same channel as your transmitter.

4. **Mount Receiver (Optional):** The receiver has a 1/4" tripod mount at the bottom, allowing it to be attached to light stands or other accessories.



Image 3.3: Front view of the GODOX CT-16 Receiver unit.



Image 3.4: The receiver mounted on a light stand, displaying its channel DIP switches.



Image 3.5: A studio strobe light connected to the CT-16 receiver using a sync cable.

3.3 PC Sync Cord Connection (for cameras without hot shoe)

If your camera does not have a standard hot shoe, you can connect the CT-16 transmitter via its PC sync port using the provided PC sync cord. Connect one end of the PC sync cord to the transmitter's PC sync port and the other end to your camera's PC sync port.

4. OPERATING INSTRUCTIONS

- Power On:** Turn on both the transmitter and receiver using their respective ON/OFF switches. The indicator light on the receiver should illuminate.
- Test Trigger:** Press the test button on the receiver to confirm it can fire the connected flash. The flash should fire.
- Camera Trigger:** Take a test shot with your camera. The transmitter will send a signal to the receiver, triggering the connected flash.
- Flash Power:** The GODOX CT-16 is a manual trigger. Flash power must be set manually on your flash unit. It does not support TTL or HSS functions.



Image 4.1: Illustration of the CT-16 system wirelessly triggering multiple speedlight flashes.

5. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the units. Avoid using harsh chemicals or abrasive materials.
- Battery Care:** Remove batteries from both the transmitter and receiver if the units will not be used for an extended period to prevent leakage.
- Storage:** Store the flash trigger set in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

- Flashes Not Firing:**
 - Ensure both transmitter and receiver are powered ON.
 - Verify that the channel DIP switches on both units match exactly.

- Check batteries in both units and replace if necessary.
- Confirm secure connections between the receiver and flash, and the transmitter and camera.

- **Intermittent Firing:**

- Check for potential radio interference from other wireless devices. Try changing to a different channel.
- Ensure the distance between the transmitter and receiver is within the effective range (up to 30m).
- Verify battery levels.

- **Flash Sync Speed Issues:**

- The maximum synchronous speed is 1/250 second. If experiencing issues, ensure your camera's shutter speed is set to 1/250s or slower.

7. SPECIFICATIONS

Feature	Specification
Model	CT-16
Channels	16
Transmit Frequency	433MHz
Max. Sync Speed	1/250 second
Transmitting Distance	Up to 30 meters (open area)
Transmitter Power Supply	1 x 12V battery (e.g., A23)
Receiver Power Supply	Dry batteries (e.g., AAA/AA, not specified in detail)
Product Dimensions	1.97 x 1.97 x 1.97 inches (approximate for one unit)
Item Weight	3.52 ounces (total for set)
Compatible Mountings	Universal hot shoe, PC sync port

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact GODOX customer service directly. Refer to the official GODOX website or your purchase documentation for specific warranty terms and contact details.