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GODOX XT-16

GODOX XT-16 Flash Trigger Transmitter User Manual

Model: XT-16

1. INTRODUCTION

The GODOX XT-16 Flash Trigger Transmitter is a wireless control device designed for Godox 2.4G X System photography monolights and studio strobe lights. It operates on a 2.4GHz frequency, offering 16 channels and 16 groups for flexible control. This transmitter enables remote adjustment of flash power, modeling lamp, buzzer, AF-assist beam, and flash triggering, providing enhanced convenience and precision in studio and on-location photography setups.

2. SETUP AND INSTALLATION

2.1 Powering On

Ensure the XT-16 transmitter has fresh batteries installed. Turn on the power switch located on the side of the unit.

2.2 Pairing with Godox 2.4G X System Monolights

The XT-16 transmitter works directly with Godox 2.4G X system monolights such as MS300, MS300V, SK300II, SK400II, SK400IIV, DP400II, DP400III, DP600II, and DP600III. No additional receiver is required for these units.

works with following studio flashes and receiver

| Transmitter | Receiver | Flash | Note |
|-------------|----------------|--|--|
| XT-16 | no need | Godox Quicker II, DII, QSII, DEII, SKII, QTII and DP II (generation II and above) and MS300 series | build-in 2.4G X system godox studio flash approved |
| | XTR-16 needed | Godox Witstro AD360 AD180 Quicker, DP, DE, SK (generation I) series | non X system studio flash with USB "SYN" port can be triggered |
| | XTR-16S needed | Godox V850 V860 | |

Figure 1: Godox XT-16 trigger compatibility with various Godox 2.4G X System monolights. The image shows the XT-16 in the center, surrounded by compatible flashes like DP II, Quick II, Quicker DII, MS300, MS300-V, SK300II, SK400II, and SK400II-V, indicating direct wireless control.

2.3 Pairing with Non-2.4G X System Studio Strobes

For non-2.4G X system studio strobe lights, the Godox XTR-16 receiver is required to receive commands from the XT-16 transmitter and enable synchronization. Ensure the XTR-16 receiver is properly connected to the strobe's USB 'SYN' port.

2.4 Pairing with V850/V860 Series Flashes

When using the XT-16 with Godox V850 or V860 series flashes, the Godox XTR-16S receiver is necessary for synchronization.

2.5 Basic Setup Steps with 2.4G Strobe

1. Ensure all devices (transmitter and strobe) are powered ON.
2. Turn ON the 2.4G signal on the strobe.
3. Set the same channel on both the XT-16 transmitter and the strobe.
4. Set the POWER dial to the desired GROUP number/letter selected on the Godox 2.4G X system strobe.



Figure 2: XT-16 display and setup instructions. The image highlights the 2.4G signal indicator, channel, group, and output ratio on the XT-16's screen, alongside a step-by-step guide for connecting to a 2.4G strobe.

3. OPERATING INSTRUCTIONS

3.1 Mounting the Transmitter

Mount the XT-16 transmitter onto your camera's hot shoe. Ensure it is securely fastened.

Triggers GODOX X system strobe lights directly

XT-16 flash trigger

- ▲ 16 Channels
- ▲ Works with Godox X system device, MS300, MS300V, SKII, DII, QuickerDII, QTII series, etc.
- ▲ Fit cameras: Nikon/Canon/Fujifilm/Olympus /Pentax camera.



Figure 3: XT-16 mounted on a camera. This image illustrates the XT-16 trigger attached to a camera's hot shoe, demonstrating its use in wirelessly triggering a studio strobe.

3.2 Controls and Functions

- **Power ON/OFF:** Use the dedicated switch to turn the unit on or off.
- **Channel Selection:** The XT-16 offers 16 channels. Use the channel selector to match the channel with your strobe.
- **Group Selection:** Control up to 16 groups (0-9, A-F). Select the desired group for individual or multiple strobe control.
- **Power Level Adjustment:** Use the power dial to adjust the flash output level of the connected strobes.
- **Modeling Lamp ON/OFF:** Toggle the modeling lamp of the strobe.
- **Buzzer ON/OFF:** Activate or deactivate the strobe's buzzer sound.
- **AF-Assist Beam ON/OFF:** Control the autofocus assist beam function.
- **Test Button:** Press to fire a test flash and verify connection.

3.3 Wireless Performance

The XT-16 operates on a 2.4GHz frequency, providing a wireless control working distance of up to 100 meters. The fastest

synchronization speed achievable is 1/250s.

4. COMPATIBILITY

The GODOX XT-16 Flash Trigger Transmitter is widely compatible with various camera brands, including Canon, Nikon, Sony, Fujifilm, Olympus, and Pentax. It synchronizes the camera shutter with Godox X system monolights.

4.1 Camera Compatibility List

Refer to the detailed compatibility list below for specific camera models and their flash sync capabilities with the XT-16. This table indicates models that support legacy hot shoe control.

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

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 | ✓ | |

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

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

| 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:

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

Note:

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

Compatible list of the camera




Note:

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

| Brand | Model | Flash Sync |
|--------|--------|------------|
| Pentax | K-3III | ✓ |
| | 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 | ✓ | |

Figure 4: Camera compatibility list. This image displays a comprehensive table detailing the compatibility of various camera models from brands like Canon, Nikon, Sony, Fujifilm, Olympus, Pentax, Leica, and Panasonic with the XT-16 trigger, indicating their flash synchronization status.

Note: This table only lists tested camera models. For other camera models, a self-test is recommended. Some models may require

an adapter or have specific limitations (e.g., sync speed). Always refer to your camera's manual for hot shoe compatibility.

5. MAINTENANCE

- Keep the device dry. Do not handle with wet hands or immerse in water.
- Avoid sudden impacts. The device may malfunction if subjected to strong shocks, drops, or vibrations.
- Keep out of reach of children.
- Do not disassemble the device. Repairs should only be performed by authorized service personnel.
- Clean the device with a soft, dry cloth. Do not use solvents or harsh chemicals.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

6. TROUBLESHOOTING

6.1 Flash Not Firing

- **Check Power:** Ensure both the XT-16 transmitter and the strobe/flash unit are powered on and have sufficient battery life.
- **Verify Channel/Group:** Confirm that the channel and group settings on the XT-16 match those on the receiving strobe/flash unit.
- **Secure Connection:** Ensure the XT-16 is properly seated in the camera's hot shoe. For external receivers (XTR-16/XTR-16S), ensure they are securely connected to the flash unit.
- **Range:** Check if the transmitter and receiver are within the effective operating range (up to 100 meters). Obstacles can reduce this range.
- **Camera Settings:** Ensure your camera's flash settings are correctly configured and not set to a mode that disables external flash.

6.2 Inconsistent Firing or Missed Flashes

- **Interference:** 2.4GHz signals can be affected by other wireless devices. Try changing the channel on your XT-16 and strobe.
- **Battery Level:** Low batteries in either the transmitter or the flash unit can lead to inconsistent performance. Replace or recharge batteries.
- **Distance/Obstacles:** Reduce the distance between the transmitter and receiver, or remove any large metallic objects that might be blocking the signal.

6.3 Incorrect Flash Output

- **Power Settings:** Double-check the power level set on the XT-16 transmitter.
- **Strobe Mode:** Ensure the strobe is in the correct mode (e.g., Manual) if you are controlling power manually from the XT-16.

7. SPECIFICATIONS

| | |
|--------------------|---------------------------|
| Package Dimensions | 6.81 x 5.31 x 1.85 inches |
| Item Weight | 2.99 ounces |
| Wireless Frequency | 2.4GHz |
| Channels | 16 |
| Groups | 16 (0-9, A-F) |
| Max Sync Speed | 1/250s |

| | |
|----------------------------------|------------------|
| Wireless Control Distance | Up to 100 meters |
| Manufacturer | GODOX |

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official GODOX website. Keep your proof of purchase for any warranty claims.