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GODOX V480-O

Godox V480-O TTL Touchscreen Camera Flash Speedlite Instruction Manual

Model: V480-O
Compatible with Panasonic and Olympus Cameras

1. Important Safety Instructions

Please read and understand all instructions before using this product. Keep this manual for future reference.

- Do not disassemble or modify the flash unit.
- Keep the unit dry. Do not handle with wet hands or immerse in water.
- Do not use the flash unit in the presence of flammable gases or liquids.
- Avoid direct eye exposure to the flash, especially at close range, as it may impair vision.
- Keep out of reach of children.
- Use only the specified battery and charging accessories.

2. Product Overview

The Godox V480-O is a high-performance TTL camera flash speedlite designed for Panasonic and Olympus cameras. It features an intuitive touchscreen interface, multiple flash modes, and a flexible bounce head for versatile lighting control.



Image 2.1: Godox V480-O Flash Speedlite with its main components and accessories.

3. Getting Started

3.1 What's in the Box

Verify that all items are present in your package:

- Flash Body x1
- Storage Bag x1
- Diffuser x1
- Adapter x1
- Lithium Battery x1
- Mini Stand x1
- USB-C Charging Cable x1

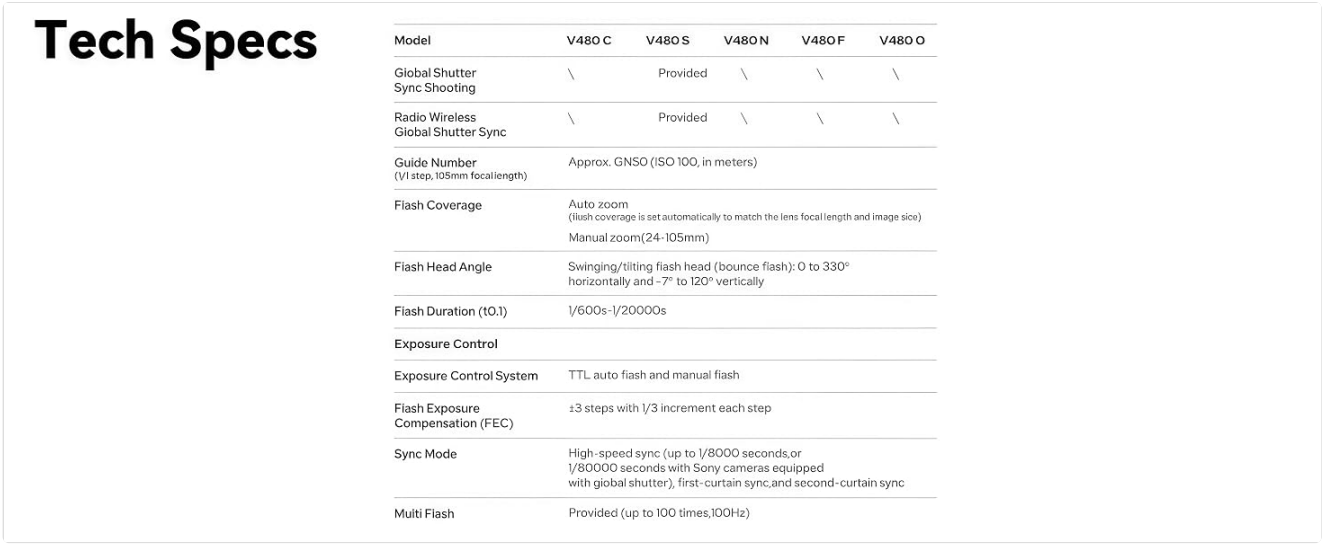


Image 3.1: Visual representation of all items included in the Godox V480-O package.

3.2 Battery Installation and Charging

The V480-O uses a 7.2V/2200mAh rechargeable lithium-ion battery.

1. To install the battery, open the battery compartment cover on the flash unit.
2. Insert the lithium battery, ensuring the contacts align correctly. Close the cover securely.
3. To charge the battery, connect the USB-C charging cable to the flash unit's USB-C port and to a compatible USB power adapter. The battery can also be charged externally.
4. A full charge provides approximately 650 full-power flashes and takes about 1.7 seconds for recycling.



Image 3.2: The 7.2V/2200mAh lithium battery being charged via USB-C, highlighting its capacity and quick recycling time.

3.3 Mounting the Flash on Your Camera

To attach the V480-O to your camera's hot shoe:

1. Slide the flash unit's mounting foot into the camera's hot shoe.
2. Tighten the locking knob or lever on the flash unit to secure it in place.



Image 3.3: The Godox V480-O flash securely mounted on a camera's hot shoe.

4. Basic Operation

4.1 Power On/Off

Press and hold the power button to turn the flash unit on or off.

4.2 Touchscreen Interface

The V480-O features a 2.0-inch color touchscreen and tactile buttons for quick and precise adjustments. Tap, swipe, or press buttons to navigate menus and change settings.



Image 4.1: Demonstrating the intuitive touchscreen and button controls of the Godox V480-O.

4.3 Flash Modes

The V480-O offers various flash modes for creative control:

- **TTL (Through-The-Lens) Mode:** Automatically adjusts flash output for correct exposure.
- **Manual Mode:** Allows precise control over flash power output.
- **Multi Mode (Stroboscopic Flash):** Fires a series of rapid flashes for multiple exposures in a single frame.
- **High-Speed Sync (HSS):** Enables flash synchronization at shutter speeds up to 1/8000s, useful for freezing motion or overpowering ambient light.
- **Front/Rear-Curtain Sync:** Controls when the flash fires relative to the shutter curtains for dynamic motion effects.
- **Flash Exposure Compensation (FEC):** Adjusts the flash output relative to the camera's metered exposure.



Image 4.2: A photographer utilizing the Godox V480-O to achieve professional lighting results, demonstrating its versatile flash modes.

4.4 Flexible Bounce Head Adjustment

The flash head can be tilted from -7° to 120° and swiveled a full 330° (0-330° horizontally) to direct light for bounce flash effects. This allows for soft, natural fill light or striking side light by bouncing off walls, ceilings, or floors.



Image 4.3: A diagram illustrating the extensive tilt and swivel capabilities of the V480-O flash head for precise light positioning.

4.5 10-Level LED Modeling Lamp

The built-in LED modeling lamp offers ten brightness levels, allowing you to preview how your flash will shape shadows and highlights before taking the shot. This aids in pre-visualizing light direction and intensity.

Image 4.4: A photographer using the V480-O's 10-level LED modeling lamp to preview lighting effects on a subject.

4.6 Smart Distance Readout

The V480-O's display shows the real-time effective flash range, providing immediate feedback on whether your subject is within optimal reach for proper exposure. This is particularly useful in dynamic shooting environments or when using bounce flash.

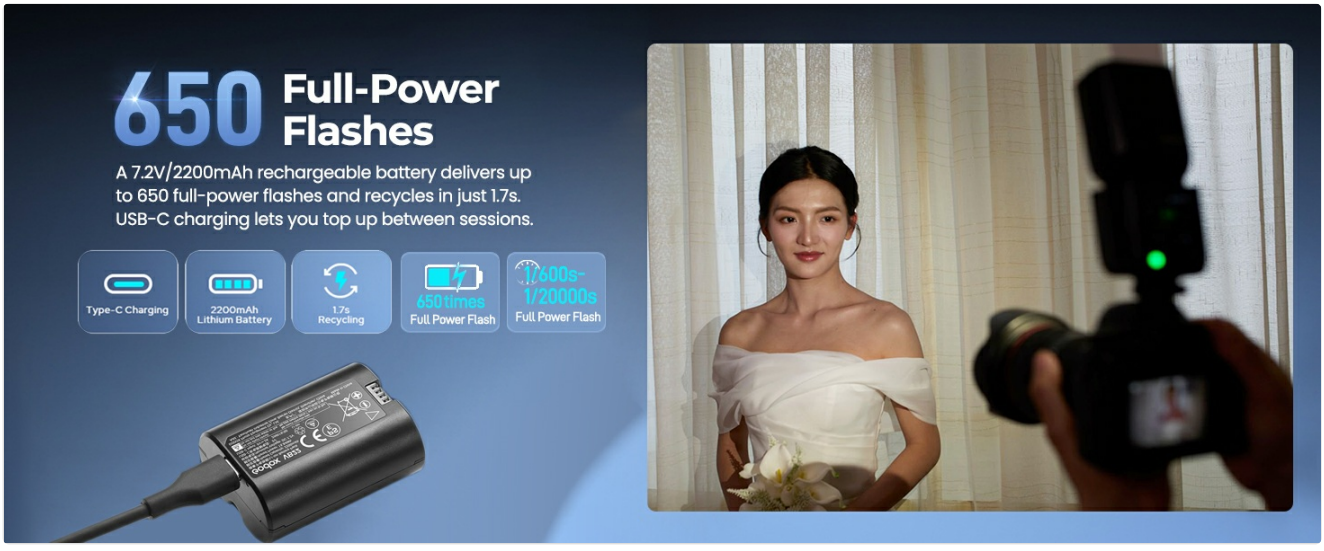


Image 4.5: The V480-O's display indicating the smart distance readout, assisting with exposure accuracy.

4.7 Wireless Functionality (2.4G X System)

The V480-O integrates with the Godox 2.4GHz X wireless system, allowing it to function as both a sender and receiver. It supports 32 channels and has a transmission range of up to 100 meters, enabling control of multiple flashes without external triggers.



Image 4.6: A photographer utilizing the V480-O's 2.4G wireless system to control an off-camera flash with a softbox.

5. Advanced Features

5.1 Creative Light Shapers

The V480-O includes built-in tools to shape your light:

- **Catchlight Panel:** Slide out the integrated catchlight panel to create crisp, sparkling reflections in your subject's eyes.
- **Wide-Angle Diffuser:** Snap on the wide-angle diffuser to soften and broaden the flash coverage, ideal for environmental portraits or wider scenes.



Image 5.1: The V480-O demonstrating the use of its built-in catchlight panel and wide-angle diffuser for creative lighting.

5.2 Accessory Compatibility

Expand your creative options with compatible accessories:

- **S2 Bracket:** Attach the S2 bracket to use Bowens-mount softboxes, reflectors, and other light modifiers.
- **AK-R1 Kit:** Utilize the S-R2 adapter to attach the AK-R1 kit, which includes various magnetic modifiers like diffusers, grids, and color filters.



Image 5.2: The Godox V480-O showcasing its compatibility with the S2 bracket and AK-R1 kit for extensive light shaping possibilities.

6. Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your V480-O flash unit.

- **Cleaning:** Use a soft, dry cloth to clean the flash body and screen. For stubborn smudges, a slightly damp cloth can be used, followed by a dry one. Avoid abrasive cleaners or solvents.
- **Battery Care:** Store the lithium battery in a cool, dry place when not in use. If storing for extended periods, charge the battery to approximately 50% capacity. Avoid fully discharging the battery.
- **Storage:** When not in use, store the flash unit in its protective storage bag to prevent dust and scratches.
- **Environmental Conditions:** Avoid exposing the flash to extreme temperatures, high humidity, or direct sunlight for prolonged periods.

7. Troubleshooting

If you encounter issues with your Godox V480-O, refer to the following common problems and solutions:

- **Flash Not Firing:**
  - Ensure the flash is securely mounted on the camera's hot shoe.
  - Check battery level and recharge if necessary.
  - Verify that the flash is powered on and in the correct mode (TTL, Manual).
  - Check camera settings to ensure external flash is enabled.
- **Touchscreen Unresponsive:**
  - Ensure your hands are clean and dry. Touchscreens can be less responsive with cold or damp hands.
  - Restart the flash unit.
- **Diffuser Not Fitting Securely:**
  - Ensure the diffuser is correctly aligned with the flash head. Apply gentle, even pressure to snap it into place.
- **Incorrect Exposure:**

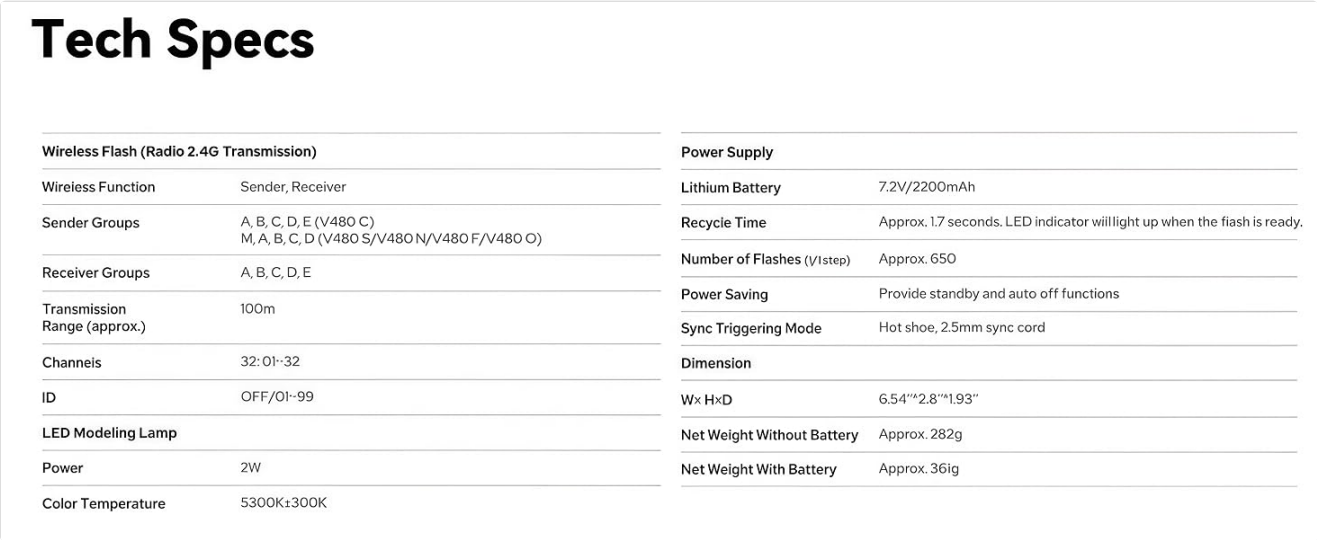
- In TTL mode, check Flash Exposure Compensation (FEC) settings on both the flash and camera.
- In Manual mode, adjust flash power output.
- Ensure the subject is within the effective flash range, as indicated by the Smart Distance Readout.

- **Firmware Update Issues:**
  - Refer to the official Godox website for the latest firmware and detailed update instructions. Ensure you download the correct firmware version for your specific model (V480-O).

If problems persist, contact Godox customer support for further assistance.

8. Specifications

Detailed technical specifications for the Godox V480-O Flash Speedlite:



Tech Specs

Wireless Flash (Radio 2.4G Transmission)	
Wireless Function	Sender, Receiver
Sender Groups	A, B, C, D, E (V480 C) M, A, B, C, D (V480 S/V480 N/V480 F/V480 O)
Receiver Groups	A, B, C, D, E
Transmission Range (approx.)	100m
Channels	32: 01~32
ID	OFF/01~99
LED Modeling Lamp	
Power	2W
Color Temperature	5300K±300K

Power Supply	
Lithium Battery	7.2V/2200mAh
Recycle Time	Approx. 1.7 seconds. LED indicator will light up when the flash is ready.
Number of Flashes (1/1 step)	Approx. 650
Power Saving	Provide standby and auto off functions
Sync Triggering Mode	Hot shoe, 2.5mm sync cord
Dimension	
W× H×D	6.54"*2.8"*1.93"
Net Weight Without Battery	Approx. 282g
Net Weight With Battery	Approx. 361g

Image 8.1: Comprehensive technical specifications for the Godox V480 series, including the V480-O.

Feature	Specification
Model	GD-V480-O
Compatible Mountings	Olympus, Panasonic
Guide Number	Approx. GN50 (ISO 100, in meters)
Flash Coverage	Auto zoom (flash coverage is set automatically to match the lens focal length and image size), Manual zoom (24-105mm)
Flash Head Angle	Swinging/tilting flash head (bounce flash): 0 to 330° horizontally and -7° to 120° vertically
Flash Duration (t0.1)	1/600s-1/20000s
Exposure Control System	TTL auto flash and manual flash
Flash Exposure Compensation (FEC)	±3 stops with 1/3 increment each stop
Sync Mode	High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync

Feature	Specification
Multi Flash	Provided (up to 100 times, 100Hz)
Wireless Flash (2.4G Transmission)	Sender/Receiver
Sender Groups	A, B, C, D, E (V480 C), M, A, B, C, D (V480 S/V480 N/V480 F/V480 O)
Receiver Groups	A, B, C, D, E
Transmission Range (approx.)	100m
Channels	32 (01-32)
ID	OFF/01-99
LED Modeling Lamp Power	2W
Color Temperature	5300K±300K
Power Supply	Lithium Battery 7.2V/2200mAh
Recycle Time	Approx. 1.7 seconds
Number of Flashes (approx.)	650
Power Saving	Provide standby and auto off functions
Sync Triggering Mode	Hot shoe, 2.5mm sync cord
Dimensions (W x H x D)	1.93 x 2.8 x 2.8 inches (6.54" x 2.8" x 1.93")
Net Weight Without Battery	Approx. 282g
Net Weight With Battery	Approx. 361g

9. Warranty and Support

Godox products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your product or visit the official Godox website. For technical support or service inquiries, please contact Godox customer service through their official channels.

Please retain your proof of purchase for warranty claims.

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