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GODOX V480

Godox V480-O TTL Flash User Manual

For Olympus and Panasonic Cameras

1. INTRODUCTION

The Godox V480-O is a compact on-camera TTL flash designed for Olympus and Panasonic cameras. It integrates a GN 50 flash with a high-capacity Li-ion battery, offering rapid recycle times and extensive features for diverse photographic needs. This manual provides instructions for the proper setup, operation, and maintenance of your V480-O flash unit and the accompanying Xpro-O trigger.

Intuitive Touchscreen & Buttons

The V480's 2.0" color touchscreen and tactile buttons work seamlessly together to deliver fast, precise adjustments. Tap, swipe, or press buttons to navigate menus effortlessly, allowing you to change settings quickly without interrupting your workflow.



The Godox V480-O is a compact on-camera TTL flash designed for Olympus and Panasonic cameras, offering advanced lighting control and portability.

1.1 Package Contents

- Godox V480 Flash for Olympus/Panasonic ×1
- Godox Xpro-O Trigger ×1
- Storage Bag ×1
- Diffuser ×1
- Adapter ×1
- Mini Stand ×1
- Lithium Battery (VB22) ×1
- USB-C Charging Cable ×1

2. SAFETY INFORMATION

- Do not disassemble or modify the flash unit. High voltage components are present.
- Keep the unit dry. Do not expose to rain or moisture.
- Do not touch the flash tube after firing to avoid burns.

- Use only the specified battery and charging cable.
- Avoid direct eye exposure to the flash, especially at close range.
- Keep out of reach of children.
- Ensure proper ventilation during use to prevent overheating.

3. SETUP

3.1 Battery Installation and Charging

The V480-O uses a 7.2V/2200mAh Li-ion battery (model VB22). Ensure the battery is fully charged before first use.

1. To install, slide the battery into the battery compartment until it clicks into place.
2. To charge, connect the provided USB-C charging cable to the battery's USB-C port and a compatible USB power source. The battery can be charged independently or while installed in the flash.
3. A fully charged battery provides up to 650 full-power flashes and recycles in approximately 1.7 seconds.

10-Level Modeling Lamp

Preview exactly how your flash will shape shadows and highlights with a built-in LED lamp offering ten brightness levels. Ideal for pre-visualizing light direction and intensity, it lets you fine-tune your setup before firing the main flash.



The V480-O is powered by a 7.2V/2200mAh rechargeable Li-ion battery (model VB22). This battery provides up to 650 full-power flashes and has a rapid recycle time of 1.7 seconds. It supports USB-C charging.

3.2 Mounting on Camera

1. Slide the flash's mounting foot into your camera's hot shoe.
2. Rotate the locking ring or lever on the flash unit to secure it firmly to the hot shoe.
3. Ensure the flash is securely attached before operation.

3.3 Xpro-O Trigger Setup

The included Godox Xpro-O TTL Wireless Flash Trigger allows for remote control of the V480-O flash and other Godox X system flashes.

1. Install batteries into the Xpro-O trigger (refer to the trigger's specific manual for battery type and installation).
2. Mount the Xpro-O trigger onto your camera's hot shoe and secure it.
3. Ensure both the flash and trigger are set to the same wireless channel and group for communication.
4. The Xpro-O trigger can control flashes with built-in Godox wireless X system and is compatible with Olympus original flashes.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation: Touchscreen and Buttons

The V480-O features a 2.0-inch color touchscreen and tactile buttons for intuitive control. Settings can be adjusted by tapping, swiping, or pressing buttons.

650 Full-Power Flashes

A 7.2V/2200mAh rechargeable battery delivers up to 650 full-power flashes and recycles in just 1.7s. USB-C charging lets you top up between sessions so you can keep shooting all day.



The V480-O features a 2.0-inch color touchscreen and tactile buttons for adjusting settings. Users can tap, swipe, or press buttons to navigate menus and change parameters such as flash exposure compensation and zoom.

4.2 Flash Modes

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

- **TTL (Through-The-Lens) Mode:** Automatic flash output based on camera metering.

- **Manual Mode:** Allows manual adjustment of flash power from 1/1 to 1/256.
- **Multi Mode (Stroboscopic Flash):** Fires a series of rapid flashes during a single exposure.
- **High-Speed Sync (HSS):** Enables flash synchronization at shutter speeds up to 1/8000s.
- **Flash Exposure Compensation (FEC):** Adjusts flash output in TTL mode.
- **Front/Rear-Curtain Sync:** Synchronizes the flash with the first or second curtain of the shutter for dynamic motion effects.

Functionality

The built-in Godox 2.4 GHz X wireless system lets the V480 act as both sender and receiver across 32 channels up to 100 m away. Control multiple flashes directly from the unit—no external triggers required.



The V480-O supports various flash modes including TTL (Through-The-Lens), Manual, and Multi mode. It also features High-Speed Sync (HSS) up to 1/8000s, Flash Exposure Compensation (FEC), and Front/Rear-Curtain Sync for creative motion effects.

4.3 10-Level Modeling Lamp

The V480-O includes a built-in LED modeling lamp with ten adjustable brightness levels. This feature allows users to preview the light direction and intensity before firing the main flash, aiding in light setup and composition.

Creative Light Shapers

Slide in the catchlight panel for crisp, sparkling eyes or snap on the wide-angle diffuser to soften and broaden coverage for groups or environmental portraits.

These built-in tools let you shape your light instantly—no extra attachments required.



The V480-O includes a built-in LED modeling lamp with ten adjustable brightness levels. This feature allows users to preview the light direction and intensity before firing the main flash, aiding in light setup and composition.

4.4 2.4GHz X Wireless System

The integrated Godox 2.4GHz X wireless system allows the V480-O to function as both a sender and receiver. It supports 32 channels and has a range of up to 100 meters. This enables control of multiple flashes directly from the unit or via the Xpro-O trigger without external receivers.

4.5 Creative Light Shapers

The flash head incorporates a slide-out catchlight panel for adding sparkle to eyes and a snap-on wide-angle diffuser. These integrated tools help soften and broaden light coverage for various photographic scenarios, such as groups or environmental portraits.

Smart Distance Readout

Say goodbye to exposure guesswork. The V480's display shows real-time effective flash range, so you'll know instantly if your subject is within optimal reach—ideal for tight spaces, bounce applications, or fast-paced events.



The flash head incorporates a slide-out catchlight panel for adding sparkle to eyes and a snap-on wide-angle diffuser. These integrated tools help soften and broaden light coverage for various photographic scenarios.

4.6 Smart Distance Readout

The V480-O's display provides a real-time effective flash range readout. This feature assists users in determining if the subject is within optimal flash distance, useful for bounce flash or fast-paced shooting environments.

Pro-Level Flash Modes

V480 gives you full creative control with TTL, Manual, Multi mode, and High-Speed Sync up to 1/8000s. Fine-tune your lighting with Flash Exposure Compensation, and choose between Front/Rear-Curtain Sync for dynamic motion effects. A versatile tool built for professional results.



*1/80000s with Sony cameras equipped with global shutter.

The V480-O's display provides a real-time effective flash range readout. This feature assists users in determining if the subject is within optimal flash distance, useful for bounce flash or fast-paced shooting.

4.7 Flexible Bounce Head

The flash head offers a flexible bounce design, allowing it to tilt from -7° to 120° and swivel a full 330°. This enables precise control over bounce angles, facilitating soft, natural fill light or striking side light by utilizing walls, ceilings, or other surfaces.

Flexible Bounce Head

Tilt from -7° to 120° and swivel a full 330° for precise bounce angles. Use walls, ceilings, or floors to craft soft, natural fill or striking side light, adapting instantly to any shooting environment.



The flash head offers a flexible bounce design, allowing it to tilt from -7° to 120° and swivel a full 330° . This enables precise control over bounce angles, facilitating soft, natural fill light or striking side light, adapting instantly to any shooting environment.

5. MAINTENANCE

- Clean the flash unit regularly with a soft, dry cloth. Do not use solvents or harsh chemicals.
- Keep the battery contacts clean to ensure reliable connection.
- Store the flash in a cool, dry place when not in use. Remove the battery if storing for extended periods.
- Avoid dropping or subjecting the unit to strong impacts.

6. TROUBLESHOOTING

- **Flash not firing:**
 - Check if the battery is charged and correctly installed.
 - Ensure the flash is securely mounted on the camera hot shoe or connected wirelessly.
 - Verify camera flash settings and trigger settings (channel, group).
 - Check if the flash is in sleep mode; press a button to wake it.
- **Flash output inconsistent:**
 - Check battery level. Low battery can affect output.

- Ensure flash head is clean and unobstructed.
- Review flash mode and exposure compensation settings.
- **Wireless connection issues:**
 - Confirm both flash and trigger are on the same channel and group.
 - Check for obstructions or interference between the flash and trigger.
 - Ensure the trigger's batteries are charged.
- **Overheating warning:**
 - Reduce the frequency of full-power flashes.
 - Allow the unit to cool down before resuming use.

7. SPECIFICATIONS

Model	V480-O
Guide Number (GN)	50 (at ISO 100, 105mm)
Flash Coverage	24 to 105mm (Auto/Manual Zoom)
Flash Duration	1/300 to 1/20000 seconds
Recycle Time	Approx. 1.7 seconds (full power)
Full Power Flashes	Approx. 650
Wireless Flash	2.4GHz X Wireless System (Sender/Receiver)
Wireless Range	Up to 100 meters
Channels	32
Groups	5 (A, B, C, D, E)
Tilt Angle	-7° to 120°
Swivel Angle	0° to 330°
Power Source	7.2V/2200mAh Li-ion Battery (VB22)
Dimensions	8.27 x 7.48 x 3.35 inches (Package)
Weight	12.7 ounces (Item)
Manufacturer	Godox

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Godox website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

