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GODOX MF12-K2

Godox MF12-K2 Macro Flash System User Manual

Model: MF12-K2 + MF-DB

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1. PRODUCT OVERVIEW

The Godox MF12-K2 Macro Flash System is designed for detailed close-up photography, including macro, portrait, and dental applications. This system includes two MF12 macro flashes and the MF-DB flash mount, offering versatile lighting solutions with TTL auto and manual flash modes, 2.4G wireless control, and a range of color filters.

- 2 x Color Filter Sets
- 2 x Color Filter Holders
- 2 x Flash Stands
- 1 x Carrying Case
- 2 x Color Filter Storage Bags
- 2 x Soft Cases for Color Filter Set
- 2 x USB Cables (Type-C)
- 1 x MF-DB Mounting Ring (Dental Bracket)
- 1 x Adapter Rings Kit

3. SETUP GUIDE

3.1 Charging the Flash Units

Before initial use, fully charge the MF12 flash units. Connect the provided USB Type-C cable to the charging port on each flash and to a USB power source. The charging indicator will show the charging status.



Figure 2: The MF12 flash units feature a built-in rechargeable high-performance battery.

3.2 Assembling the MF-DB Flash Mount

The MF-DB flash mount is designed to hold the two MF12 flash units and attach to your camera lens. It features a 1/4-inch screw for camera compatibility and adjustable arms for flash positioning.

Multi-flash Setup for Broader Usage

Working a samultiple-flash solution when attaching to the mounting ring,MF12 expands its usage profoundly than the single unit.The combination can handle various scenarios easily depending on the numberof flashes and the way you setup.



Figure 3: The 1/4-inch screw on the MF-DB mount ensures wide compatibility with various camera equipment.

1. Attach the MF-DB mounting ring to your camera lens using the appropriate adapter ring from the kit.
2. Secure the two MF12 flash units onto the adjustable arms of the MF-DB mount. Ensure they are firmly seated.
3. Adjust the flash heads to the desired angle. The flash heads offer 180° rotation and the ball attachment allows 360° rotation for precise light direction.

Flexibility in Positioning

Equipped with adjustable angles, this flash bracket enables photographers to tailor the lighting to their specific preferences.<Noted: Only the Flash and Bracket are Included>



Figure 4: Multi-angle adjustment allows for flexible lighting setups.

3.3 Wireless System Setup

The MF12 flashes can be controlled wirelessly using a Godox XPro, X1, X2, or other compatible triggers (sold separately) mounted on your camera's hot shoe.

1. Power on the MF12 flash units and your wireless trigger.
2. Set the same channel and group on both the flash units and the wireless trigger. Refer to the trigger's manual for specific instructions.
3. Ensure the flash units are in 2.4G wireless mode.

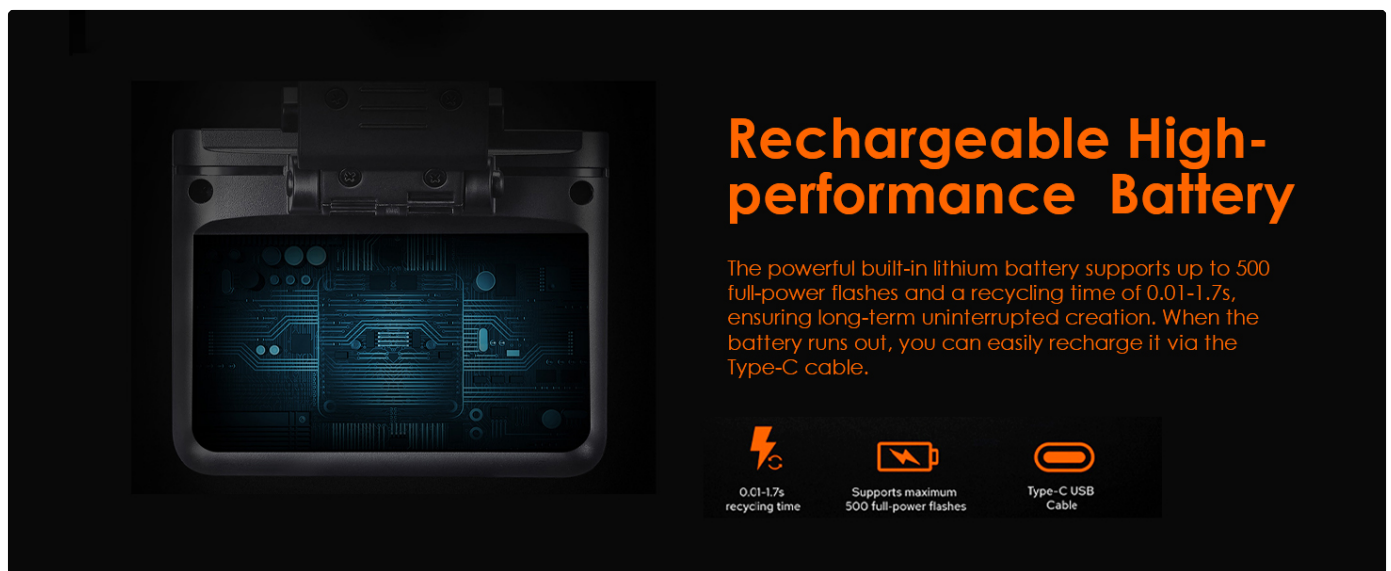


Figure 5: The MF12 flashes are universally compatible with Godox XPro, X1, X2, and other triggers.

3.4 Attaching Color Filters

The MF12-K2 system includes color filter sets to create various lighting effects or correct color temperature.

1. Select the desired color filter from the set.
2. Insert the filter into the color filter holder.
3. Attach the filter holder to the front of the MF12 flash unit.



Figure 6: Color filters can be used with the extreme close-up positioning adapter for creative lighting.

4. OPERATING INSTRUCTIONS

4.1 Flash Modes (TTL/M)

- **TTL Mode:** The flash automatically adjusts its output based on the camera's metering system. This mode is ideal for quick shooting and changing light conditions.
- **Manual (M) Mode:** Allows you to manually set the flash power output. This provides precise control over lighting and is suitable for consistent studio setups.

Switch between modes using the controls on the MF12 flash unit or via your wireless trigger.

4.2 S1/S2 Secondary Optic Triggering

- **S1 Mode:** The flash fires in response to the first flash from a master flash. This is suitable for manual master flashes.
- **S2 Mode:** The flash ignores the pre-flash from a TTL master flash and fires on the main flash. This is useful when using a TTL master flash in manual mode.

4.3 Modeling Light

Each MF12 flash unit includes a modeling light with 8 adjustable levels. The modeling light helps visualize the lighting effect before taking the shot, especially useful in macro photography where precise light placement is critical.

1. Press the modeling light button on the flash unit to turn it on/off.
2. Use the adjustment dial to cycle through the 8 brightness levels.

4.4 Multi-Flash Combinations

For enhanced lighting and reduced shadows, additional MF12 flashes can be combined using a mounting ring (not included in this kit). This allows for a brighter and more even light source.



Figure 7: Example of a multi-flash setup with six MF12 units for broader and more even illumination.



Figure 8: Two MF12 flashes providing bright, natural-looking light for macro subjects.

4.5 Applications

The MF12-K2 system is versatile for various close-up photography needs:

- **Macro Photography:** Ideal for capturing intricate details of small subjects like insects, plants, and jewelry.
- **Dental Photography:** The adjustable positioning and precise lighting are beneficial for clinical dental photography.
- **Portrait Photography:** Can be used for creative close-up portraits, highlighting specific features.



Figure 9: The flexible positioning of the flash bracket is suitable for specialized applications like dental photography.

5. MAINTENANCE

5.1 Battery Care

- Recharge the built-in lithium battery regularly, especially if the unit will not be used for an extended period.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- Use only the provided USB Type-C cable for charging.

5.2 Cleaning

- Wipe the flash units and mount with a soft, dry cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Keep the flash contacts clean and free from dust.

5.3 Storage

- Store the flash system in the provided carrying case when not in use to protect it from dust and damage.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flash not firing	Low battery; Incorrect wireless settings; Flash not powered on; Camera sync speed too high.	Recharge battery; Verify channel and group settings; Power on flash; Adjust camera shutter speed to 1/200s or 1/250s.
Inconsistent exposure	Incorrect flash mode; Subject distance changed; Ambient light interference.	Switch to TTL mode or adjust manual power; Maintain consistent distance; Minimize external light sources.
Wireless connection issues	Interference from other devices; Distance too far; Obstructions.	Change wireless channel; Reduce distance between trigger and flash; Ensure clear line of sight.
Flash recycling slowly	Low battery; High power output setting.	Recharge battery; Reduce flash power output.

For more detailed troubleshooting, please refer to the complete instruction manual provided with your product or visit the official Godox support website.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	GODOX
Model Name	MF12-K2
Compatible Mountings	Canon, Sony, Nikon, Fuji, Panasonic, Olympus, Pentax, Leica
Camera Flash Type	Macro
Flash Sync Speed	1/200s or 1/250s (depending on camera)
Connectivity Technology	Wired (USB Type-C for charging), Optical Pulse (S1/S2), 2.4G Wireless
Guide Number	16.1
Mount Type	Cold Shoe Mount
Hardware Interface	USB Type-C (for charging)
Shooting Modes	TTL, Manual (M)
Item Dimensions (D x W x H)	2.53"D x 3.01"W x 2.5"H (per flash unit)
Color	Black
Water Resistance Level	Not Water Resistant
Screen Size	2.5 Inches (display on flash unit)
Minimum Shutter Speed	0.0000294117647s

8. WARRANTY AND SUPPORT

Godox products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Godox website.

For technical support, service, or inquiries, please contact Godox customer service through their official website or authorized distributors. Keep your purchase receipt and product serial number handy for faster assistance.

Official Godox Website: www.godox.com

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