

MIOPS MIOPS-SM-N1

MIOPS Smart+ Camera and Flash Trigger User Manual

Model: MIOPS-SM-N1

1. INTRODUCTION

The MIOPS Smart+ is a versatile high-speed camera and flash trigger designed to expand your photographic capabilities. It integrates multiple sensor modes and can be controlled via a smartphone application, enabling photographers to capture challenging shots such as lightning, high-speed events, and intricate timelapses. This manual provides detailed instructions for setting up, operating, and maintaining your MIOPS Smart+ device.

2. PRODUCT OVERVIEW

The MIOPS Smart+ unit combines various triggering modes and built-in sensors into a single, compact device. Key features include:

- **High-Speed Triggering:** Captures fast-moving events with precision.
- **Multiple Modes:** Features modes for lightning, sound, laser, timelapse, and HDR photography.
- **Smartphone Control:** Compatible with iOS and Android devices for remote control and advanced settings.
- **Upgradable Firmware:** Ensures access to new features and improvements through free lifetime updates.
- **Rechargeable Battery:** Powered by a long-lasting Li-ion battery.
- **Ergonomic Design:** Compact and user-friendly for ease of use.

CAPTURE LIGHTNING



With the help of the integrated light sensor, MIOPS Smart+ can detect a lightning strike and trigger your camera instantly.

The MIOPS Smart+ device, showcasing its compact design and control buttons.

3. SETUP

3.1. Unboxing and Components

Upon opening the MIOPS Smart+ package, you will find the following items:

- MIOPS Smart+ trigger unit
- Rechargeable Li-ion battery
- Camera connection cable (MIOPS Cable-N1 for Nikon/Fujifilm cameras)
- Flash connection cable
- USB charging cable

LASER PRECISION



MIOPS Smart+ turns your regular camera into a high-speed capture device with Laser Mode. Using a laser source, MIOPS will trigger your camera whenever the beam is broken.

The MIOPS Smart+ device along with its various connection cables.

3.2. Battery Installation and Charging

1. Insert the rechargeable Li-ion battery into the MIOPS Smart+ unit.
2. Connect the USB charging cable to the MIOPS Smart+ and a power source to charge the device.

3.3. Mounting and Connection

1. Mount the MIOPS Smart+ onto your camera's hot shoe.
2. Connect the MIOPS Smart+ to your camera using the appropriate camera connection cable (e.g., MIOPS Cable-N1 for Nikon/Fujifilm).
3. Alternatively, connect the MIOPS Smart+ to an external flash unit using the flash connection cable.

SOUND TRIGGER

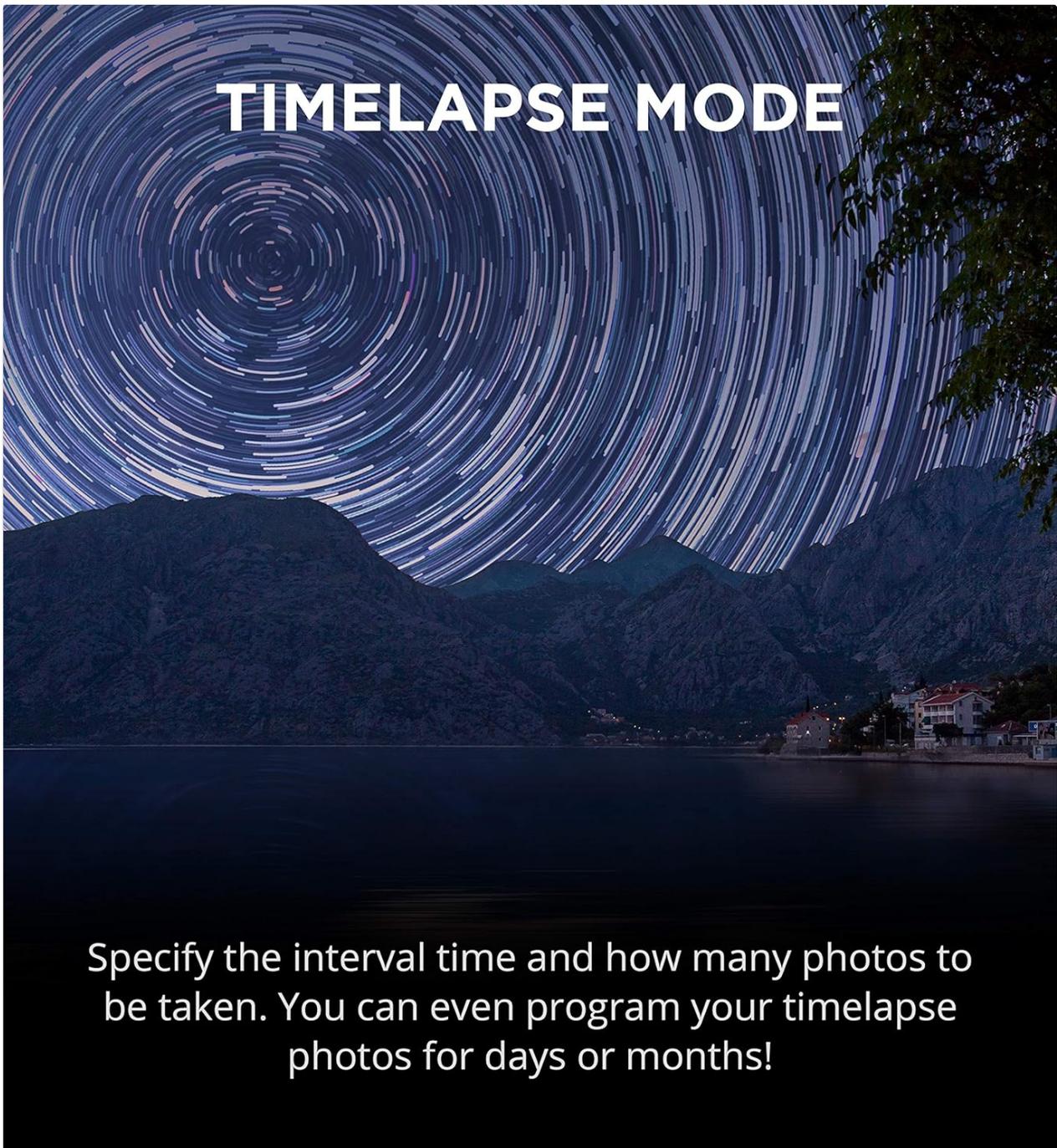


Trigger your camera or flash by sound. Capture things you normally couldn't, like breaking glass or popping balloons.

The MIOPS Smart+ device securely mounted on a camera's hot shoe.

3.4. Smartphone Application and Firmware Update

1. Download the MIOPS mobile application from the App Store (iOS) or Google Play Store (Android).
2. Connect your MIOPS Smart+ to the smartphone application via Bluetooth.
3. Check for available firmware updates within the app. If an update is available, follow the on-screen instructions to update your device. This ensures optimal performance and access to the latest features.



The MIOPS Smart+ device connected to a smartphone, demonstrating app control.

4. OPERATING MODES

The MIOPS Smart+ offers a variety of modes to suit different photographic needs. You can select and configure these modes either directly on the device or through the smartphone application.

4.1. Lightning Mode

This mode utilizes the integrated light sensor to detect lightning strikes and trigger your camera instantly, allowing you to capture stunning lightning photographs.



A dramatic lightning strike captured, demonstrating the MIOPS Smart+ lightning mode.

4.2. Sound Mode

The sound mode triggers your camera or flash in response to sounds. This is ideal for capturing high-speed events like breaking glass, popping balloons, or other sudden noises. The sensitivity can be adjusted to react to different levels of loudness.



A high-speed capture of a water balloon bursting, illustrating the sound trigger mode.

4.3. Laser Mode

In laser mode, the MIOPS Smart+ triggers your camera when a laser beam directed at the device is broken. This allows for precise capture of subjects passing through a specific point, useful for wildlife photography or splash photography where exact timing is crucial. You can define a delay in milliseconds for fine-tuning.



A water droplet creating a splash, captured with precision using the laser trigger mode.

4.4. Timelapse Mode

The timelapse mode allows you to program your camera to take photos at specified intervals over extended periods. This is suitable for capturing events like sunrises, sunsets, star trails, or plant growth. The device offers various timelapse options, including basic, long exposure, and bulb ramping timelapses.



Star trails forming concentric circles in a long exposure timelapse photograph.

4.5. HDR Photography

The MIOPS Smart+ can assist in creating High Dynamic Range (HDR) images by automatically taking multiple exposures. This feature is beneficial even if your camera does not have a built-in bracketing function, allowing for detailed images in scenes with high contrast.

4.6. Additional Modes and Customization

The device also supports advanced scenarios, allowing you to combine features for custom triggering. The smartphone app provides a user-friendly interface to manage these settings and modes.

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This video provides an overview of the MIOPS Smart+ features and how to set up the device with your camera and flash, demonstrating various triggering modes like lightning, sound, and laser for high-speed photography and timelapse.

5. MAINTENANCE

To ensure the longevity and optimal performance of your MIOPS Smart+ device, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid abrasive cleaners or solvents.
- **Storage:** Store the MIOPS Smart+ in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Fully charge the battery before extended storage and recharge it periodically (every 3-6 months) to maintain battery health.
- **Cable Care:** Handle connection cables carefully to prevent damage. Avoid sharp bends or excessive pulling.

6. TROUBLESHOOTING

If you encounter issues with your MIOPS Smart+, consider the following troubleshooting steps:

- **Device Not Responding:** Ensure the battery is charged and properly installed. Try resetting the device.
- **Connection Issues:** Verify that all cables are securely connected to both the MIOPS Smart+ and your camera/flash. Check Bluetooth connection with the smartphone app.
- **Triggering Problems:** Review the settings for the selected mode in the smartphone app or on the device. Adjust sensitivity levels as needed. Ensure your camera is in the correct mode (e.g., Bulb mode for long exposures).
- **Firmware:** Confirm that your device has the latest firmware version installed. Update via the smartphone app if necessary.
- **Camera Compatibility:** Ensure your camera model is compatible with the MIOPS Smart+ and that you

are using the correct connection cable. Refer to the manufacturer's website for an up-to-date compatibility list.

7. SPECIFICATIONS

Feature	Specification
Brand	MIOPS
Model Name	MIOPS-SM-N1
Model Number	MIOPS-SM-N1
Special Feature	Ergonomic
Color	Orange
Max Number of Supported Devices	1
Compatible Devices	Camera
Connectivity Technology	Bluetooth
Controller Type	Button Control
Maximum Range	98 Feet
Number of Batteries	1 Lithium Ion battery required
Battery Type	Lithium-Ion
Item Weight	0.25 Kilograms
Manufacturer Part Number	CABLE-N1

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please visit the official MIOPS website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.