Moultrie MFH-DGS-M100

Moultrie Game Spy M-100 User Manual

Model: MFH-DGS-M100 | Brand: Moultrie

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Moultrie Game Spy M-100 trail camera. Designed for capturing wildlife images and videos, this camera features advanced infrared technology and multiple operating modes to suit various scouting needs. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

Key Features

- **6.0 Megapixel Resolution:** Captures high-quality images.
- **16:9 Panoramic Images and Videos:** Provides a wider field of view compared to standard game cameras.
- **Three Operating Modes:**
  - Infrared triggered game camera
  - Time-lapse trail camera
  - Daytime trail camera with infrared at night
- **Extended Battery Life:** Up to 1 year of operation on a single set of batteries.
- **Illumi-Night Sensor:** Delivers clear and sharp infrared night images.
- **Adjustable Image Delay:** Settings for 15 seconds, 30 seconds, or 1-60 minutes.
- **2-inch LCD Screen:** For easy viewing and setup.

Setup

1. Battery Installation

The Moultrie Game Spy M-100 requires batteries for operation. For optimal performance and extended battery life, especially when using time-lapse photography, lithium batteries are recommended.



Figure 1: Moultrie M-100 camera with the battery tray removed, showing the battery compartment and the tray itself.

1. Open the camera housing by unlatching the side clips.
2. Locate the battery compartment. The battery tray can be slid out.
3. Insert the required number of AA batteries into the tray, ensuring correct polarity (+/-).
4. Slide the battery tray back into the camera until it clicks securely into place.

2. SD Card Installation

A Secure Digital (SD) card is required to store images and videos captured by the camera. The camera supports standard SD memory cards.



Figure 2: Internal view of the Moultrie M-100 camera with the casing open, highlighting the SD card slot, USB port, and TV out port.

1. With the camera housing open, locate the SD card slot on the side of the internal unit.
2. Insert the SD card into the slot with the label facing the front of the camera until it clicks into place.
3. To remove the SD card, gently push it in until it springs out.

3. Initial Power On and Basic Settings

After installing batteries and an SD card, you can power on the camera and configure basic settings.



Figure 3: Close-up view of the Moultrie M-100 camera's internal controls, including the mode switch, navigation buttons, and LCD screen.

1. Locate the power switch (ON/OFF/AIM) on the side of the internal unit.
2. Slide the switch to the "ON" position. The LCD screen will illuminate.
3. Use the navigation buttons (up, down, left, right, ENTER, MODE) to set the date, time, and other initial parameters as prompted on the screen.
4. Close the camera housing securely.

Operating Modes

The Moultrie Game Spy M-100 offers three distinct operating modes to cater to different monitoring requirements.

1. Infrared Triggered Game Camera Mode

In this mode, the camera captures images or videos when motion is detected by its infrared sensor. This is ideal for capturing animals as they pass by.

- Set the camera to this mode using the MODE button.
- Configure settings such as photo resolution, video length, and trigger delay (15 seconds, 30 seconds, 1-60 minutes) via the menu.
- The camera will automatically switch between daytime color images and nighttime infrared images/videos based on ambient light.

2. Time-Lapse Trail Camera Mode

This mode allows the camera to capture images at set intervals, regardless of motion. It is useful for monitoring large open areas or observing slow-moving events like plant growth.

- Select the time-lapse mode from the camera's menu.
- Specify the time interval between photos and the active period (e.g., daylight hours only).
- Note that in this mode, the camera will not trigger on motion.

3. Hybrid Mode (Daytime Trail Camera / Nighttime Infrared Camera)

This mode combines time-lapse functionality during the day with motion-triggered infrared capture at night. It provides comprehensive coverage for 24-hour monitoring.

- Choose the hybrid mode in the camera settings.
- Configure time-lapse settings for daytime operation.
- The camera will automatically switch to motion-triggered infrared capture during low-light conditions or at night.

Maintenance

Battery Life and Replacement

The Moultrie Game Spy M-100 is designed for extended battery life, up to one year under optimal conditions. However, actual battery life can vary based on usage, temperature, and battery type. Using high-quality lithium batteries is recommended for best performance, especially in cold weather or with frequent captures.

- Monitor the battery level indicator on the LCD screen.
- Replace all batteries simultaneously with new ones to ensure consistent power.
- Remove batteries if the camera will be stored for an extended period to prevent leakage.

Cleaning and Storage

Proper cleaning and storage will extend the life of your camera.

- Wipe the camera's exterior with a soft, damp cloth. Avoid abrasive cleaners.
- Ensure the lens and infrared LEDs are clean and free of dirt or smudges for clear images.
- Store the camera in a cool, dry place when not in use, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Camera does not power on.	Dead or incorrectly installed batteries; loose battery tray contact.	Replace batteries with new ones, ensuring correct polarity. Ensure battery tray is fully inserted and making solid contact.
"No SD Card" error or camera not recognizing SD card.	SD card not inserted correctly; faulty SD card; incompatible SD card.	Reinsert the SD card firmly. Try a different, known-good SD card. Ensure the SD card is not locked (write-protected).
Blurred night images.	Moving target too fast; camera shake; dirty lens.	Ensure camera is mounted securely. Clean the lens. Be aware that fast-moving objects at night may appear blurred due to exposure times.

Problem	Possible Cause	Solution
Poor image quality.	Dirty lens; low resolution setting; insufficient light.	Clean the camera lens. Check camera settings to ensure desired resolution is selected.
Short battery life.	Low-quality batteries; frequent triggers; cold weather.	Use high-quality lithium batteries. Reduce trigger sensitivity or image frequency if possible.

Specifications

Feature	Detail
Model	MFH-DGS-M100
Resolution	6.0 Megapixels
Video Capture Resolution	480p
Display Technology	LCD
Display Size	2 inches (diagonal)
Flash Type	Infrared
Memory Type	SD Card (Secure Digital)
Power Source	Battery (requires batteries, not included)
Material	Plastic
Dimensions (L x W x H)	23.6 x 18.8 x 8.1 cm (approx. 9.3 x 7.4 x 3.2 inches)
Weight	544.31 g (approx. 1.2 lbs)
Color	Camo

Warranty and Support

For warranty information and technical support, please refer to the official Moultrie website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.
For further assistance, visit: www.moultriefeeders.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I perform a hard reset on the Moultrie Game Spy M-100 if I forgot my security code?

The provided manual for the Moultrie Game Spy M-100 (MFH-DGS-M100) does not list a specific button combination or "hard reset" procedure to bypass a forgotten security code. This is a security feature designed to...

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