

FCC Statements



M-50



M-50i

Note: changes and modifications not expressly approved by the party responsible could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This device complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

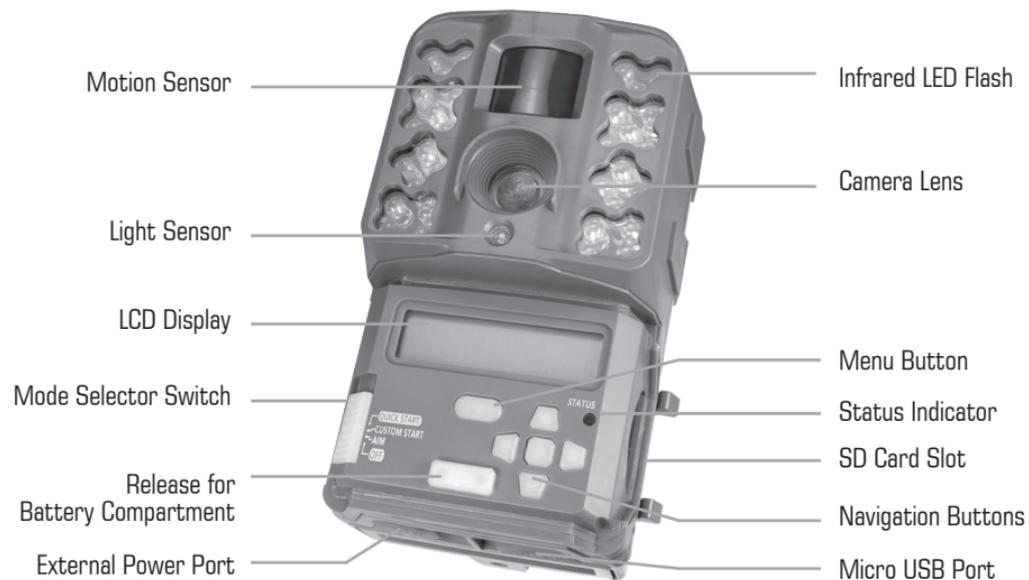
www.moultriefeeders.com

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07202018 / MCG-13271 • MCG-13270

Instructions for M-Series Game Cameras

THANK YOU for your purchase of an M-Series Digital Game Camera. Please read this booklet before using the unit. If you should have any questions about this product or any other Moultrie product, please contact us using the information on the back of this booklet. Please register your camera at www.moultriefeeders.com/warranty to activate your warranty.



A CAMERA OVERVIEW

MODE SWITCH

Aim - When Aim is ON and the PIR Motion Sensor detects motion, the Status Indicator's red LED on the front of the camera will come on and remain lit as long as motion is detected. **Custom Start** - set and run camera with custom settings. **Quick Start** - set and run camera with pre-defined settings.

NAVIGATION BUTTONS

The Menu Button selects Camera Setup or Main Screen. When camera mode is selected, the LEFT and RIGHT buttons navigate through the menu options. The Menu Button is also used to wake-up the camera and turn on the display when the camera is in power saving (or sleep) mode. The OK button selects the item to be changed. The UP/DOWN and LEFT/RIGHT buttons are used to step through and modify the menu options. Pressing the OK button again, selects the option indicated on the display. The OK button is also used to manually take a picture.

BATTERY COMPARTMENT

The camera is powered by eight (8) AA alkaline or lithium batteries. Push the battery compartment release button to eject the battery tray. Install batteries as indicated on the engravings on the battery tray, taking care to note the correct polarity. See Important Battery Information section on Page 15 of this manual.

SD CARD SLOT

Accepts up to a 32GB SD Card (Class 4 or higher) for photo and video storage. **NOTE:** A Class 4 or higher SD Card must be installed for the camera to operate (sold separately). Ultra/turbo SD cards are not recommended.

USB PORT

Download still pictures and video onto your computer by connecting a micro-B to USB cable (not included) to the USB port.

EXTERNAL POWER PORT

Accepts the Moultrie power accessories (sold separately) only. Refer to www.moultriefeeders.com for more information.

NOTE: The use of any other power source will void your warranty and possibly harm your camera.

B QUICK START INSTRUCTIONS

Use the steps below as a guide to quickly set up your camera so it will function using the factory default settings.

STEP 1

Open camera cover. Install eight (8) AA size alkaline or lithium batteries with polarities as indicated in the Battery Tray. Insert your SD card. We recommend that you erase the SD card (ERASE IMAGES) inside the camera before taking pictures: this will not only erase all images, but will also format your SD card for use in the camera. Camera will not operate without SD card.

STEP 2

Mount camera in desired location using a mounting strap. The camera also has two Python™ Cable Loops for added security. **NOTE: Camera must be attached to a stable object for motion detection to function properly. Mounting camera on an unstable structure may result in excess image captures with no subject (false triggers).**

STEP 3

Switch camera to Aim. Aim camera using motion detection to determine target area. Walk in front of the camera at the desired distance and the camera LED will flash showing the covered area.

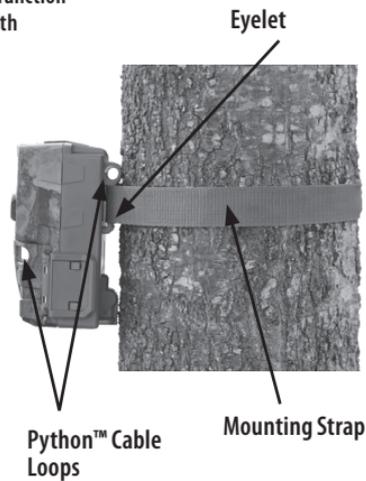
STEP 4

Switch camera to **Quick Start**. Close cover. The camera will operate using Default settings. You may also customize the settings if desired in **Custom Start**.

Setting Run Mode

When you choose Quick Start, the only settings that you will be able to change will be Date and Time, allowing for rapid setup. Other settings are:

OPTION	SETTING
Mode	Motion Detect
Detection Delay	30 seconds
Multi-Shot	3-Triggered
Photo or Video	Photo



C CAPTURE MODES

Setting Capture Mode

Use the Up/Down buttons to choose between operating modes. This camera has 3 modes.

1. **Motion Detect** - Capture photo or video when motion or heat is detected.
2. **Time Lapse** - Capture photo at periodic intervals based on the Time Lapse program setting.
3. **Motion + Time Lapse** - Uses a combination of Time Lapse and Motion Detect modes at different times of the day. Press the Right button to move to start motion capture.

NOTE: Options for Motion and Time Lapse can be set in their respective option menus.

D SETTING MOTION DETECT OPTIONS

IMAGE REVIEW SOFTWARE INSTALLATION

Download your free Image Review software at www.moultriefeeders.com/imagesoftware

For PC users: Installation and operation instructions are available here, as well.

For Mac users: This software is not Mac-compatible. You can import your image files into a program such as iMovie and iPhoto.

Setup Selection Setting

From the Default Screen, pressing the Menu button will enter the current capture mode's Main Screen. Press the Down button 3 times to enter GENERAL SETTINGS. Press the Left button to move to the next setting. Using this method you can customize your camera's feature settings. From this Main Screen, press OK to get to the Test Capture screen. See pages 1 & 2 for the full layout of the camera menu.

For all menu navigation, use UP/DOWN to change and LEFT/RIGHT to navigate between options and OK to lock-in your selection.

Event Delay Setting

Detection Delay determines the number of minutes between pictures when an animal is detected and remains in range. Choose between (NONE, 10 sec, 30 sec, 1 min, 5min, 10min, or 30 min).

DETECTION DELAY
10 SECONDS

PIR Sensitivity

PIR Sensitivity allows you to control as to how much movement and at what distance the camera will trigger. HIGH sensitivity will allow for more distance, but will make the camera slightly more susceptible to false triggers and is ideal for open areas such as fields and food plots. LOW sensitivity will shorten the distance but lower the chance of false triggers and is ideal for close range traps and deeply wooded areas.

PIR SENSITIVITY
HIGH

Setting Multi-Shot

Choose how many pictures you would like captured in a sequence when the camera is triggered (1 or 3).

Available options are:

1 (OFF) - Single photo taken per event.

3 BURST - Three rapidly captured photos taken per event. All 3 photos are captured within one second.

NOTE: Burst mode is only capable of up to 4MP captures, regardless of your resolution setting.

3 TRIGGERED - Up to three photos are captured per event with an approximate one second delay between each capture. Each subsequent photo after the first requires an individual trigger. This allows for multiple potential image captures of the same event while reducing the chance of empty images if the subject moves out of the field of view after the first shot.

MULTI-SHOT
1 (OFF)

Setting Photo or Video

Choose between Photo, Video or Both. "Both" will take a photo, then a video.

```
PHOTO OR VIDEO
                PHOTO
```

Reset Options

Choose between a set of predefined configurations for the motion detect capture mode to quickly configure your camera for certain levels of performance.

```
RESET OPTIONS?
DO NOT RESET
```

E SETTING TIMELAPSE OPTIONS

Set Frequency of Capture

Choose between 10, 30 seconds / 1, 5, 10, 15, or 30 minutes / 1, 2, 3, 6, 12 hours or 1 day.

```
TIMELAPSE
INTERVAL  10 SEC
```

Setting Program Start

Choose between 24 different settings: any hour from MIDNIGHT to 11 PM. This will determine what time the camera will wake up during the program and begin its time lapse program. Setting to ALWAYS ON will make the camera operate in timelapse 24 hours/day.

```
T.L. PROGRAM  #1
START         6AM
```

Setting Program Stop

When start time is set, the camera will automatically move to the Stop option. Set the Stop time after the Start time you already set. This will set the Start and Stop during the time lapse photography.

```
T.L. PROGRAM  #1
STOP         10AM
```

NOTE: Repeat the above steps for each Program #2 to be set.

WARNING: If Program #1 is set to Always On, settings for Program #2 will be disabled.

Reset Options

Use to reset your Timelapse options.

```
RESET OPTIONS?
DO NOT RESET
```

F SETTING MOTION + TIMELAPSE OPTIONS

Setting Motion + Timelapse Features

The camera operates in Motion Detect Mode and Time Lapse Mode during the programmed intervals.

NOTE: The settings entered for both Timelapse and Motion Detect modes will be used when in this mode. Settings can be made in their respective menus.

G SETTING INFOSTRIP OPTIONS

Infostrip Active

Choose between:

YES - Camera Name, Time, etc, information will be imprinted at the bottom of the image/video as an information bar.

Note: Remember to input the camera name in the setup and set the clock accordingly.

NO - No information bar will be imprinted.

```
INFOSTRIP ACTIVE
                YES
```

Temperature

The temperature is imprinted on each photo and can be in degrees Fahrenheit or Celsius.

```
TEMPERATURE
                FAHRENHEIT
```

Setting Date and Time

IMPORTANT! Use to set date and time.

```
DATE & TIME
11/11/16 11:11pm
```

Setting Camera Name

Select an identity for your camera. For example, you can use a name or a location; the identity you wish to use is up to you.

```
CAMERA NAME
                MOULTRIECAM
```

H SETTING PHOTO/VIDEO OPTIONS

Setting Photo Quality

Choose between 4 image resolution settings:

1. Enhanced: 6080 x 3420
2. High: 3840 x 2160
3. Medium: 2688 x 1512
4. Low: 1920 x 1080

```
PHOTO QUALITY
                HIGH(4MP)
```

Setting Motion Freeze

This feature maximizes the image clarity during night photos. When this feature is on the camera will adjust the exposure time to reduce blur associated with motion. Other adjustments are made to increase the brightness and clarity of the photo. When this feature is turned off the camera will use a maximum exposure time that will not reduce blur, but will increase the effective flash range and image brightness of night photos.

```
MOTION FREEZE
ON (FAST FLASH)
```

Setting Video Quality

Choose between 2 image quality settings:

1. HD: 1280 x 720
2. FULL HD: 1920 x 1080

```
VIDEO QUALITY
                HD (1280X720)
```

H SETTING PHOTO/VIDEO OPTIONS (cont.)

Setting Video Length

Choose between 5 video length settings (5, 10, 30, 60 or 90 seconds).

NOTE: Night videos are limited to a maximum of 30 seconds.

```
VIDEO LENGTH
10 SECONDS
```

I MEMORY OPTIONS

Managed Memory

Selecting the **OVERWRITE OLDEST** option will cause the oldest files to be overwritten with new captures when the SD card reaches its capacity. With the **DO NOT OVERWRITE** option selected, the camera will cease image capture once the SD card reaches capacity.

```
MANAGED MEMORY
DO NOT OVERWRITE
```

Erase Images

Choose between **Yes** - erase all images, or **No** - does not change stored images.

NOTE: This will also format your SD card for use in your camera.

```
ERASE ALL IMAGES
NO
```

J SYSTEM OPTIONS

Security Code

Select a 5 digit security code for your camera.

NOTE: Please remember your security code. If the code is lost, you can contact Moultrie customer support to reset the password (charges may apply). Also, use caution when navigating through the Security Code option as not to set a code by mistake. For no Security Code, the setting should remain as "00000".

```
PROGRAM SECURITY
CODE          00000
```

Confirm Security Code

Once a Security Code has been entered, the camera will prompt you to verify the code. This will keep you from mis-entering a code or setting a code inadvertently.

```
CONFIRM SECURITY
CODE          00000
```

Reset to Default settings

You can reset your camera to the factory default settings.

Choose either **YES** - all setups restored to factory default or **NO** - keep custom settings.

```
FACTORY RESET?
NO
```

Start Screen Legend

Once you press the Start button in any mode, the display screen will show some important information, as shown here.

```
B96%  0001/9999
      1 PHOTO
```

- Battery Life Remaining
- Scrolling Settings Selected
- Photos Taken/Remaining

Upgrade Firmware

The firmware version is displayed.

YES - To upgrade firmware.

NO - Keep current firmware.

NOTE: This operation should only be performed when firmware update is required.

```
UPGRADE FIRMWARE
4M40-130903 NO
```

Important Battery Information

- Only use Alkaline or Lithium batteries. We recommend the use of Energizer batteries.
- Do not mix old and new batteries. Always replace ALL the batteries at the same time.
- When the camera is not in use, please remove the batteries.

Moultrie Limited Warranty

This product has been thoroughly tested and inspected before shipment. It is guaranteed from defects in material and workmanship from the date of purchase for 2 years. Under this limited guarantee we agree to replace or repair free of charge any part or parts which have been found to be defective in original material or workmanship. Should you require in-warranty service, call our Customer Service Department. If your problem cannot be addressed over the telephone, we may need you to send us your defective product plus proof of purchase.

You must register your camera at www.moultriefeeders.com/warranty to activate your 2-year warranty.

Troubleshooting

Please visit www.moultriefeeders.com/contact-us for troubleshooting and helpful tips.

Returns and Repairs

Please visit <http://www.moultriefeeders.com/return-policy> and complete the form or our Service Department will gladly answer any questions you have. Call 800-653-3334, Monday - Friday, 8:00 AM to 5:00 PM CST.

MOULTRIE MOBILE® COMPATIBILITY

Your camera is compatible with our Moultrie Mobile® cellular service when combined with the Field Modem MV1. Please visit www.moultriemobile.com for more information.