



## **35mm Wildlife Surveillance Camera Photo System**

### ***Instruction Manual***

**IMPORTANT:**

- Please take a few moments to read and understand these instructions before using the your camera system.
- Please call Moultrie Customer Service at (205) 664-6700 if you have any questions.
- Don't forget to send us your registration.
- Good luck and have fun with your wildlife photography.

**QUICK START  
GUIDE  
PAGES 3 & 4**

## ●●●●● INTRODUCTION

**Your wildlife surveillance system is easy to use. Infrared activated, it records events on 35mm film and or counts activity on a LED display.**

### **Tracking Game**

To track game, set up the Game Spy system to record the activity automatically. The imprinted photos will show you when and what type of wildlife frequents the area day or night.

### **General Surveillance**

The Game Spy system can be used as a device to monitor areas that might be prone to criminal activity. The automatic flash can also act as a deterrent to repel would be criminal activity. The Game Spy system can be used anywhere that requires constant surveillance.

### **Photo Fun**

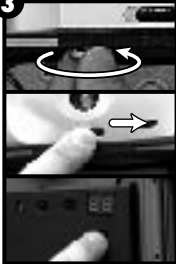
Remove the camera and use it for any event, day or night, that requires a quality focus free camera. Take pictures of family, friends, scenery, sporting events, vacations, etc...

**Questions or problems call us  
Moultrie Customer Service  
(205) 664-6700**

**QUICK START INSTRUCTIONS**

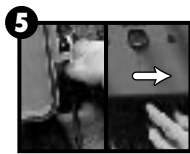
**1**  Load fresh alkaline batteries 2.9V in unit & 2 AA in camera. Match polarities (+) and (-).

**2**  Set camera date back, close camera lens and connect plug to camera port.

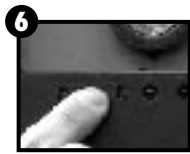
**3**  Secure camera, open camera shutter, and slide unit power switch to (ON) and back to (OFF), then push camera test button.

**4**  Close camera Shutter, remove camera & load film, connect plug to camera, close cover.

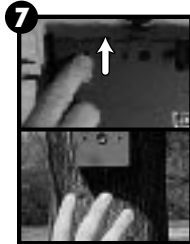
## QUICK START INSTRUCTIONS



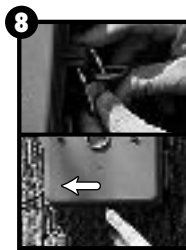
**5** Mount system, aim with laser, switch to off.



**6** Set surveillance functions:  
MODE: 24 HR or daylight only.  
DELAY: 1, 5, or 20 minutes delay between photos.



**7** Set test switch to (IR test), close cover, turn unit on and wait at least 1 min. for the unit to warm up. *Step aside and wait for the light to go out.* Any motion will activate the blinking red light. Switch unit off, return test switch to (normal).



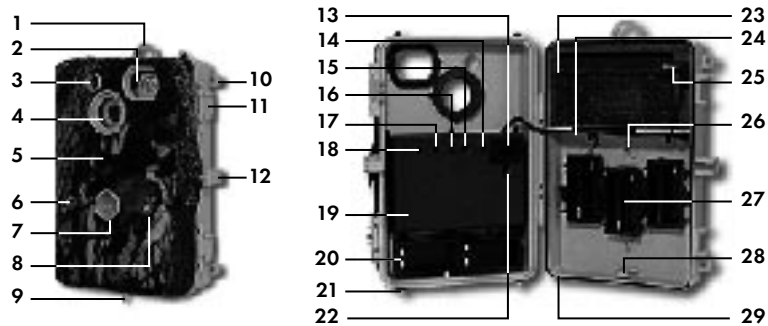
**8** Lock case, switch unit on and wait at least 1 min. for the unit to warm up. If you want to test fire system and take the first picture, wait for delay time to expire and walk in front of unit. if not, do not walk in front of unit!

### *If you have any problems, check:*

- Are batteries fresh and installed properly?
- Do you have enough daylight in location?
- Is the camera lens open?
- Is the camera plugged in?
- Is the film loaded properly?
- Is the test switch in normal?
- Is the power switch on?
- Is the unit in the delay period?
- Change batteries and set up again.

**For more help call: Moultrie Customer Service (205) 664-6700**

## CONTROL BOX IDENTIFICATION



### PARTS

- |                           |                            |                                   |
|---------------------------|----------------------------|-----------------------------------|
| 1. Carry Clip Lug         | 11. Control Box Latch      | 21. Foliage Tie Down Lug          |
| 2. Flash Port             | 12. Lockable Latch         | 22. Camera Test Button            |
| 3. Low Light Sensor Port  | 13. Event Counter LED      | 23. Protective Foam Padding       |
| 4. Lens Port              | 14. Reset Button           | 24. Camera Hold Down Socket       |
| 5. Camo Cover (optional)  | 15. Display Button         | 25. Camera Power Plug             |
| 6. Light Sensor           | 16. Delay Switch           | 26. Mounting Hole                 |
| 7. Infrared Sensor        | 17. Daylight/24hr. Switch  | 27. Camera Back-up Battery Holder |
| 8. Event Light            | 18. Sensor Test Switch     | 28. Tripod Socket                 |
| 9. External ON/OFF Switch | 19. Computer Control Panel | 29. Moisture Seal                 |
| 10. Mounting Strap Lug    | 20. 9V Battery Holders     |                                   |

## CONTROL BOX SPECIFICATIONS

**Cover** Camouflage Cloth Cover (optional)

**Construction** Weather-resistant and lockable

**Mounting** Screw or adjustable strap

**IR Sensor** Infrared, heat & motion detection

**IR Sensor Range** 3.3 ft. - 26.2 ft. or 1 m. - 8m

**IR Sensor Angle** 22° (+ or - 11°)

**Automatic** Activity triggers the 35mm camera

**ON/OFF** External switch

**User Switch Panel** Concealed

**Mode Switch** 24 hr. or daylight only

**IR Switch** Test or normal

**Delay Switch** 1/5/20 minute between event

**Display Switch** Lights counter

**Reset Button** Resets counter

**LED Event Counter** Stores up to 90 events

**Camera Test** Checks camera

**CPU Power Supply** Dual 9 volt batteries

**Camera Back-up Battery Holders** Holds 6 AA alkaline batteries: see "Battery Facts" pg. 10 of these instructions

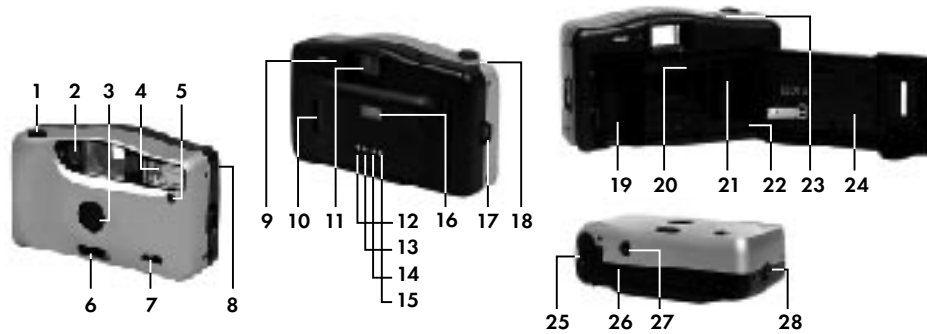
**Foam Padding** Protect camera

**Control Cable** Quick connection to camera

**Control Box Size** (w)6.75" x (h)10.3" x (d)2.95"

**Control Box Weight** 32 oz. (including batteries)

## CAMERA IDENTIFICATION



### PARTS

- |                             |                                 |                             |
|-----------------------------|---------------------------------|-----------------------------|
| 1. Shutter Release Button   | 11. Viewfinder                  | 21. Film Take-up Spool      |
| 2. Low Light Sensor         | 12. Film Imprinting Mode Switch | 22. Film Tip Mark           |
| 3. Focus Free Lens          | 13. Year/Hour Button            | 23. Exposure Counter        |
| 4. Electronic Flash         | 14. Month Button                | 24. Back Door               |
| 5. Red-eye Reduction Lamp   | 15. Day/Minute Button           | 25. Battery Chamber         |
| 6. Lens Cover ON/OFF Switch | 16. LCD Date or Time Indicator  | 26. Automatic Rewind Switch |
| 7. Auto/Fill Flash Switch   | 17. Wrist Strap Lug             | 27. Tripod Socket           |
| 8. Surveillance System Port | 18. Self-Timer                  | 28. Back Door Latch         |
| 9. Flash Ready Light        | 19. Film Chamber                |                             |
| 10. DX Film Window          | 20. Film Sprocket               |                             |

●●●●● **CAMERA SPECIFICATIONS**

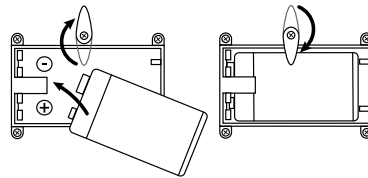
Type.....	35mm focus-free
Film Size.....	35mm color, black & white, print or slide
Film Speed.....	ISO 200 - 800 (ISO 400 or 800 for best results)
Lens.....	Quality precision optics
Film.....	Loading Easy loading
Film Advance.....	Motorized
Film Rewind.....	Motorized, manual rewind switch
Exposure Counter.....	Yes
Flash.....	Built-in electronic
Fill-Flash.....	(Auto/Fill button)
Red-Eye Reduction.....	Yes
Ready Light.....	Green LED type
DX Window.....	Indicates type of film in use
Viewfinder.....	Type big viewfinder
Tripod Socket.....	Yes
Data Back Type.....	LCD, time, date, or nothing
Data Back Display.....	Year, month, day or time or nothing
Power.....	2 - AA alkaline batteries (without film and batteries)
Wrist Strap.....	Keeps camera ready for action

**See camera specification insert for more details on your model camera**

## LOADING BATTERIES

### 9 Volt Batteries for Control Box

Open the control box by swinging the Control Box Latches (11) open. Insert two fresh 9V alkaline batteries into the 9V Battery Holders (20). Make sure that the + or - on the batteries match the + or - indicated in the 9V Battery Holders (20). Make sure the batteries are secured in their holders.



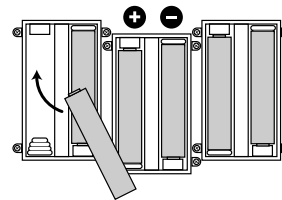
### AA Batteries for Camera

Open the Battery Chamber (25) by sliding the latch in the direction indicated by the mark on the cover. Place 2 AA alkaline batteries into the Battery Chamber (25). Make sure that the + or - on the batteries match the + or - indicated on the battery chamber door. Close the battery chamber door. Make sure it is closed securely.



### Back-up Power Supply for Camera

Your wildlife camera system also comes with an additional power supply for long camera life. Insert six fresh AA alkaline batteries into the Camera Back-up Battery Holders (27). Make sure that the + or - on the batteries match the + or - indicated in the Camera Back-up Battery Holders (27). When using back-up battery holders, alkaline batteries must always be installed.



**CAUTION!** Always use alkaline batteries, NEVER rechargeable. Rechargeable batteries may damage circuitry and void your warranty.

## ●●●●● BATTERY FACTS

Your wildlife camera system is battery operated. To provide maximum functionality and battery life you need to be aware of the following Information.

- Use "alkaline" batteries ONLY. Rechargeable or non-alkaline batteries will cause poor camera performance, damage the circuitry, and void your warranty.
- For best camera performance, install "alkaline" batteries in all available 9 volt or AA battery slots.
- The two 9 volt battery holders power the control box electronics that consist of the infrared sensor, computer controlled activation circuitry, and event counter display.
- You can expect at least 7 days of continuous operation from one set of fresh 9 volt alkaline batteries.
- The two AA cells in the camera power the camera motor and flash.
- Cold weather will decrease battery life.
- While the 35mm camera will operate on its 2 AA alkaline batteries, we recommend that the camera back-up battery holders be used for best camera and flash performance. Up to six additional AA alkaline batteries can be inserted in the camera back-up battery holders. They are for camera and flash functions only and must be inserted in pairs (2, 4, or 6).
- The AA alkaline battery life will vary greatly depending on the amount of pictures taken with and without the flash. You can expect a fresh set of alkaline batteries to last 7 days or 144 flash exposures.

**Note: After 7 days use, always replace the AA alkaline batteries to insure proper camera operation.**

### **For Longer Battery Life**

- Use the camera in the auto flash mode only, never fill-flash mode.
- Use longer delay periods.
- Use in daylight only mode.
- Always use fresh alkaline batteries.
- Use back-up camera AA alkaline battery supply.
- Check battery power with a battery checker or change alkaline batteries each time you change film.

**CAUTION: Never use rechargeable or non-alkaline batteries. They may damage the electronic circuitry and void guarantee.**

## SETTING UP GAME SPY CAMERA SYSTEM

### Attaching Control Box To a Tree or Pole

Using a bungee cord, attach the camera system to a tree or pole approximately 2.5 or 3 feet above the ground. Make sure the camera is secure and will not move from the desired location.

### Selecting Operation Mode

You can choose two types of operation modes to trigger the system. Slide the mode switch to the appropriate setting.

- (24 hr. mode), The system will take a picture regardless of light situation 24 hours a day.
- (Day mode), during bright daylight hours

### Selecting Delay Time

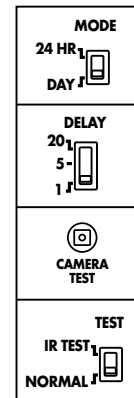
You can select any of three delay times. You can select 1 minute, 5 minutes or a 20 minute delay time between pictures. Slide the switch to the appropriate time delay. The delay mode will not automatically change after the switch has been changed, until the next picture is taken. Press the camera test button to override.

### Testing Camera

When the Camera Test Button (22) is pressed it will activate the camera to make sure the camera is working properly. This will take one picture every time the button is pressed and the event counter will add one digit to the Event Counter LED (13). Test will also work without film loaded.

### Testing Infrared

To test IR Sensor, slide the Sensor Test Switch (18) upward to the "IR Test" setting and close the cover. The IR sensor detects heat and motion, if working the IR sensor will activate a red LED light. The sensor will work without triggering the camera. After testing the IR sensor, return the switch to "Normal" position for normal operation. This mode is used to also aim the control box by walking in front of the Game Spy system and noting when the red light comes on, indicating you are in the field of view.

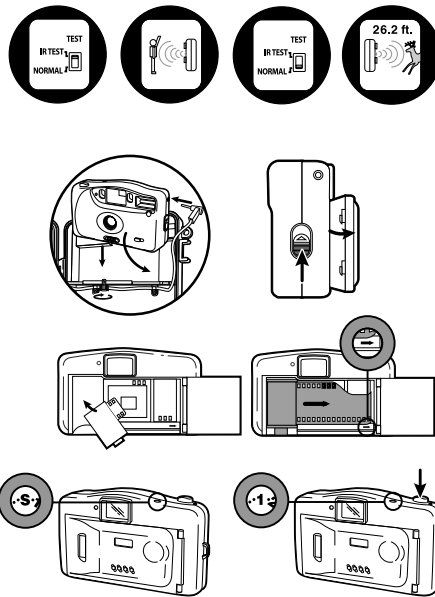


### Aiming Control Box

To aim your camera system, open front cover, slide the Sensor Test Switch (18) upward to the "IR Test" setting and close cover. Position and aim the system at your desired target area. Move around to the front of the control box and check when the IR sensor activates (with a red light). If it is not aimed properly repeat the process until your desired target area is achieved. Return Sensor Test Switch (18) to the "Normal" position after system is aimed. Note: The maximum range of the IR Sensor (7) is 26.2 ft.

### Loading Film

To load film, you must first turn the external ON/OFF switch to OFF. Open the control box cover and remove the camera. To remove the camera, unscrew the camera mounting bolt from the control box camera ledge and unplug the Camera Power Plug (25) from the Surveillance System Port (8). Now the camera can be removed. Open the Back Door (24) by sliding the Back Door Latch (28) upward and gently swinging the door open. Insert the film cartridge into the Film Chamber (19). Make sure the film is completely inside the chamber. Pull the film leader out and lay it across the Film Take-up Spool (21) until it extends to the Film Tip Mark (22). Make sure that the film leader also engages Film Sprocket (20). Check the film and make sure it is in the film chamber completely. Close the Back Door (24) firmly. The Exposure Counter (23) will show "S". Continue pressing the Shutter Release Button (1) until the Exposure Counter (23) shows the number "1". You are now ready to take a picture. **Important: Make sure the lens cover is closed all the time until the camera has been securely connected to the control box via the cable provided.**



## SETTING UP CAMERA SYSTEM

### Turn Camera ON

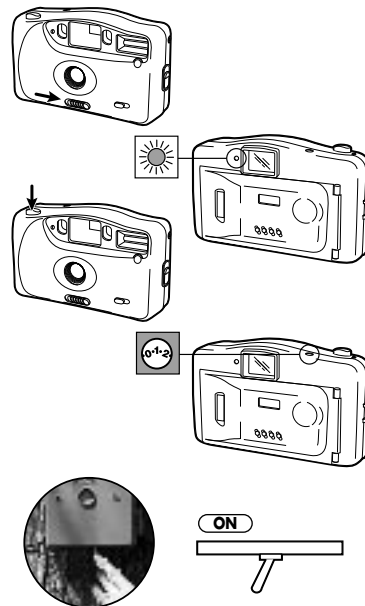
Turn the camera on by sliding the Lens Cover ON/OFF Switch (6) to the OPEN position and wait for the green Flash Ready Light (9) to come on. Press the Shutter Release Button (1) a few times until the Exposure Counter (23) indicates "1". The camera is now activated. **Important: Make sure the Exposure Counter (23) is rotating, which indicates the film is advancing properly.** Reinstall camera and make the camera is secured with mounting bolt. **Note: Do not activate the fill-flash feature while the camera is being used with the game camera system.**

### Turn Control Box ON

To turn the control box on slide the External ON/OFF Switch (9) to the ON position. The your wildlife surveillance system is now activated and ready for use.

### Attaching & Removing the Camouflage Cloth Cover

To attach cloth cover, wrap around the front cover of system. Slip the elastic tie down rings over the Foliage Tie Down Lugs (21) on the top and bottom of system cover. Secure Velcro® tab **Important: Make sure that the cloth cover does not obstruct any optic or sensor ports on the cover.** To remove the cloth cover turn the system off and simply do the reverse.



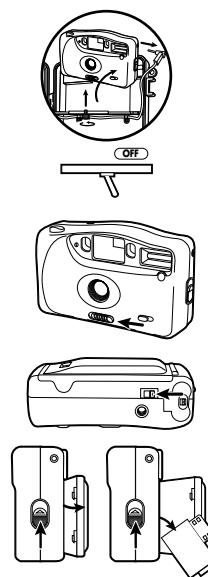
## MOVING CAMERA SYSTEM ● CHECKING EVENT COUNTER ● REWINDING FILM

### Retrieving Control Box

When you are ready to retrieve the system, approach the system from the back. Do not stand in front of the system during this process. Switch the External ON/OFF Switch (9) to the OFF position. This ensures that the sensor will not detect you and activate the camera. Open the front cover of the control box. Turn the camera Lens Cover ON/OFF Switch (6) to the OFF position. To check your event counter, turn the External ON/OFF Switch (9) to the ON position and press the event counter Display Button (15). To clear the display hold down BOTH the event counter Display Button (15) and Reset Button (14). **Note: The event counter may show more events than the pictures your camera has taken. This is because the event counter records virtually all events and the camera takes pictures of single events based on the selected delay time that you set (see pg. 11).** Unscrew the camera mounting bolt to release the camera from the control box camera ledge. When you want to remove the camera from the system, unplug the Camera Power Plug (25) from the Surveillance System Port (8) and remove the camera from the control box. Remove the film. **Important: Replace batteries with a fresh set of alkaline batteries every time you change the film.** Close the control box cover, remove mounting straps and store accessories. You are now ready to transport control box.

### Rewinding Film

When the Exposure Counter (23) indicates that you have taken the number of exposures shown in the DX Film Window (10), and will no longer advance the film, you are at the end of the roll. **Important: you must rewind the film before opening the back door and removing.** Slide the Automatic Rewind Switch (26) in the direction of the arrow. The camera will automatically rewind the film. Never open the door when the rewind motor is running. Open the Back Door (24) by sliding the Back Door Latch (28) in the direction of the arrow. Remove the film cartridge and take your exposed film to the processor as quickly as possible.



## GAME CAMERA HELP

### **Camera will not work**

External power switch not turned on. Lens cover ON/OFF switch not turned on. Batteries low or installed incorrectly. Camera not plugged in. Film is at the end of the roll. Replace with fresh film. Control box test switch set in IR test mode. Game camera system in delay mode.

### **Sensor will not work (Infrared)**

Lens cover ON/OFF switch not turned on. Batteries low or installed incorrectly. Camera not plugged in. External power switch not turned on. Foliage obstructing sensor. Make sure sensor is not blocked. Game camera system in delay mode.

### **Film will not advance**

End of roll; rewind film and have it processed. Lens cover ON/OFF switch not turned on. Batteries low or installed incorrectly.

### **Blurry or partial pictures**

Clean dirty lens port. Foliage obstructing lens optics, clear away from lens port. Cloth cover not installed correctly.

### **Foggy pictures**

Dirty lens port, blow loose dirt away and gently clean with soft, lint free cloth or an untreated lens cleaning tissue.

### **Pictures too dark**

Subject is not within flash range.

### **Control panel not working properly**

External power switch not turned on. Batteries low or installed incorrectly.

### **No wildlife captured in pictures**

System left set to IR test mode. Switch to normal mode. Animal moved too quickly for the camera to capture it. System not aimed at area of high activity.

### **No pictures taken at night**

System left set to day mode. Switch to 24-hour mode.

### **All pictures show only one animal**

### **All pictures taken too quickly**

System left set to a short delay time. Switch to a longer delay time (5-minutes or 20-minutes). Try setting system up in a different area.

### **Game Camera System damaged when you return**

A person tried to steal or tampered with your surveillance system. Use the security cable and padlock to ensure its safety. An animal tampered with your game camera system. Try a different location for it, preferably further from the ground.

## 35mm CAMERA SETTINGS

### Installing Batteries

You cannot take pictures with this camera unless the batteries are loaded properly and the lens cover is open. (see page 9)

### Film Imprint Modes

To imprint (year-month-date) or (hour-minute) on pictures, press the Film Imprinting Mode Switch (12) until the mode you want shows in the LCD Date or Time Indicator (16). Select the type of imprint you want using the Year/Hour Button (13), Month Button (14), or Day/Minute Button (15). You can also choose not to have anything imprinted on your pictures (- - - -).

### Loading Film & Turning Camera ON

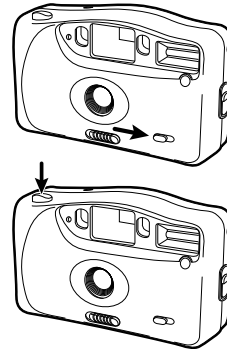
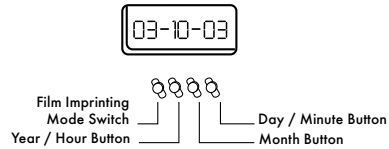
(see pages 12 & 13)

### Red-eye Reduction

Your camera comes with an automatic Red-eye Reduction Lamp (5) that activates automatically when the Electronic Flash (4) is on. Pressing down on the Shutter Release Button (1) activates the Red-eye Reduction Lamp (5).

### Fill-flash

When the sun or any bright light source is behind your subject, it acts as a backlight and causes the subject to appear dark in the pictures. Fill-flash will help you get better results in these situations. To activate the fill-flash, slide the Auto/Fill-Flash Switch (7) to the "ON" position and wait for the Flash Ready Light (9) to come on. **Note:** Always turn flash off when not needed to conserve battery life.



## DUAL USE OF 35mm CAMERA

### Dual Purpose

The 35mm camera within your wildlife surveillance system can also be used for everyday use. Simply remove the camera from your control box.

### Low Light Sensor

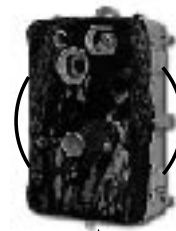
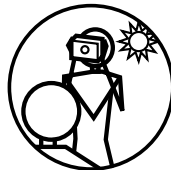
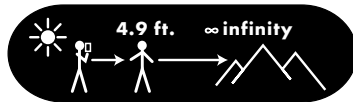
When pictures are taken in low light situations such as indoors or outdoors in heavy shade or on dark overcast days, a flash is needed. Your camera features a low light sensor that will automatically fire the flash when it is needed.

### Automatic Film Advance

The camera will automatically advance the film to the next exposure when the shutter button is pressed and a picture is taken.

### Step 1

Outside on bright sunny days, simply look through the Viewfinder (11) and compose the picture you desire. Try to have your main subject well lighted with the sun overhead or behind you, not behind the subject. For best results keep your main subject at least 5' away.



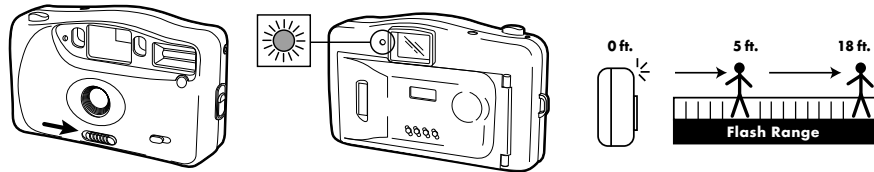
2 IN 1 MODULAR SYSTEM



## ●●●●● TAKING PICTURES WITH 35mm CAMERA

### Step 2

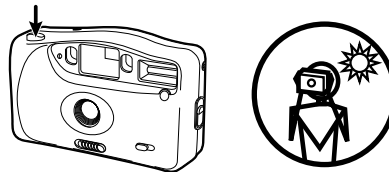
Your camera has an Electronic Flash (4) that will automatically work when the surrounding light is not sufficient, such as indoors, nights, or cloudy days. Turn the camera on by sliding the Lens Cover ON/OFF Switch (6) to the "ON" position and wait for the Ready Light (9) to come on. You may now take a picture. If your subject is backlit use the fill-flash feature (see pg. 16). **Important: Always wait for the ready light to be ON before taking a picture. Make sure that your subject is within the flash range.** Turn the flash off when not needed to conserve battery life.



### Step 3

Hold the camera steady. Press the Shutter Release Button (1). For best results try to have the sun overhead or behind you. The camera will automatically advance the film for your next picture until the last picture. **Important: Make sure that your fingers do not cover up the lens or the flash.**

**Rewinding the Film**  
(see page 14)



●●●●● **35mm CAMERA HELP**

**Shutter will not work**

Lens cover ON/OFF switch not turned on. Alkaline batteries low or installed incorrectly.

**Film will not advance**

Film not loaded properly, reload film. End of roll, rewind film and have it processed.

**Exposure counter does not turn when shutter button is pressed**

Indicates the film is not loaded properly and should be reloaded. Alkaline batteries low or installed incorrectly.

**Film will not rewind**

Indicates film rewind switch is not activated fully or alkaline batteries low or old.

**Blurry pictures**

Lens obstructed by fingers, strap. Camera not held steady or subject moved.

**Pictures too dark**

Not enough light on subject. Use a higher speed film. Use fill-flash button when subject is backlit.

**Subjects off center or cut off**

Frame main subject in center of viewfinder.

**Ready light off**

Lens cover ON/Off switch not turned on. Alkaline batteries low or installed incorrectly.

**Ready light slow to light**

Alkaline batteries are weak or have expired and should be replaced.

**Flash pictures too dark**

Subject beyond flash range or picture taken before ready light is on.

**Flash pictures too light**

Subject too close.

**Short battery life**

Turn off lens cover ON/OFF switch when you do not use the camera. Alkaline batteries not used.

## CARE AND SERVICE

### CONTROL BOX

- 1) Clean control box with a moist cloth followed by a dry cloth.
- 2) Never store in a car.
- 3) Always clean lens and sensor optics by blowing gently to remove dust and dirt and wiping gently with a soft, lint free cloth or an untreated lens cleaning tissue.
- 4) Clean computer control board and battery chambers with a dry cloth. **Do not use lens cleaning fluid.**
- 5) Do not use in freezing temperatures.

### CAMERA

- 1) Store your film and camera away from heat or direct sunlight.
- 2) Never store in a car.
- 3) Never wipe or rub lens, always clean with lens cleaning fluid.
- 4) Always use fresh film and have your film processed as soon as possible after you have removed it from your camera. **Do not use lens cleaning fluid.**
- 5) Do not use in freezing temperatures.

●●●●● **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 1 year. 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. Enclose a check or money order for \$10.00 to cover shipping and handling. Pack the product well and insure it.*

**Moultrie Customer Service**  
**(205) 664-6700**  
**[www.moultriefeeders.com](http://www.moultriefeeders.com)**