



NovaBird
Bringing Bird and Birder Closer



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BACKYARD BIRD CAMERA

Instruction Manual

CONTENTS

Contents and introduction	2
Included items, items needed and important notes	3
Camera features	4
Charging the battery	5
LCD display	6
Turning the camera on	7
Setting the date and time	7
Date and time stamp	8
Delay switch	8
Inserting the SD card	9
Viewing and printing photos	9
Lens cleaning	9
Mounting the camera	10
Troubleshooting	11

Congratulations on purchasing the Backyard Bird Camera from NovaBird. The camera was developed specifically for backyard use for capturing impromptu images of birds visiting your feeders, bird houses and bird baths. This is a high quality 3.0 mega pixel, motion activated camera that will take photographs of active birds. The camera allows you to take numerous photos of birds and provides the opportunity to sort and save your favorite pictures easily. The digital memory cards for which the photos are stored on can easily be erased and reused again and again.

TROUBLESHOOTING

If the camera will not turn on:

- Make sure the power switch is in the ON position.
- Make sure the Photocell is exposed to light.
- Make sure the power cord is securely attached to the camera.
- Charge the battery for 24 hours.

If the camera will not take pictures:

- Make sure the camera is powered-up before closing the camera housing. When the numbers appear on the LCD screen, the camera is powered-up and ready to take pictures.
- The SD Card may be full. Check to see if the card is full and remove pictures if necessary.
- Make sure the SD Card is securely inserted into the card slot.
- Check the Delay Switch and make sure only one switch is in the ON position.

If the camera is taking blurry or out of focus pictures:

- Clean the lens. See lens cleaning section.
- Make sure the camera is securely mounted.
- Make sure the camera is mounted 15 inches from the location that the birds are perching.

In closing it is important to familiarize yourself with the Backyard Bird Camera's features and instructions before you take it into the backyard. While we have made every effort to make it easy for you to use the camera, it still may require a little study time to develop a comfort level.

If you need additional help or assistance, we have established an e-mail address just for answering your questions: info@novabird.com

Please fill out the included warrantee registration. The warrantee registration is used to activate your camera's warrantee as well as notify you of new camera accessories and/or products.

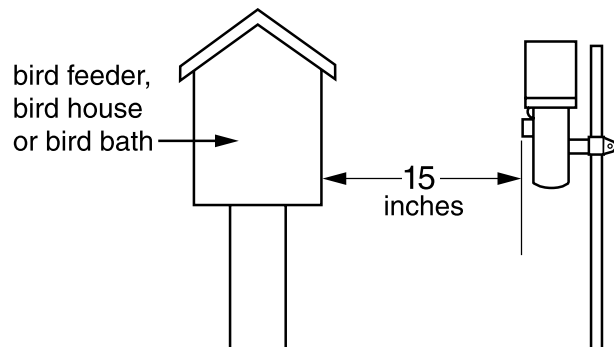
Please see our website www.novabird.com for information on submitting photos for posting and/or periodic photo contests.

MOUNTING THE BACKYARD BIRD CAMERA

The Backyard Bird Camera can be mounted near your favorite feeder, bird bath or bird house to capture pictures of the birds that visit your backyard.

The Backyard Bird Camera has a focal length of 15 inches. For optimal clarity, always mount the camera 15 inches from the position the birds are most likely to perch.

The camera includes a mounting bracket that allows it to be mounted to any 1/2 inch pole. This may be a wood dowel, fence post or steel rod.



For best results:

- Do not point the camera directly into the sun. If possible, point the camera North.
- Mount the camera near stationary feeders, bird baths and bird houses.
- As the infrared sensor is triggered by movement, we suggest not activating the camera on windy days when focused on hanging feeders as their movement will trigger photo after photo of the feeder's movements.
- When photographing feeders attached to trees – like suet feeders – we suggest placing the camera at 45 to 90 degree angles as photographing straight on will cause the camera to take photos of the backs of birds.
- It may take a few hours for the birds to become accustomed to the camera in their feeding area.

INCLUDED ITEMS:

- Camera
- Battery "Rock"
- Battery Charger
- Instruction Manual

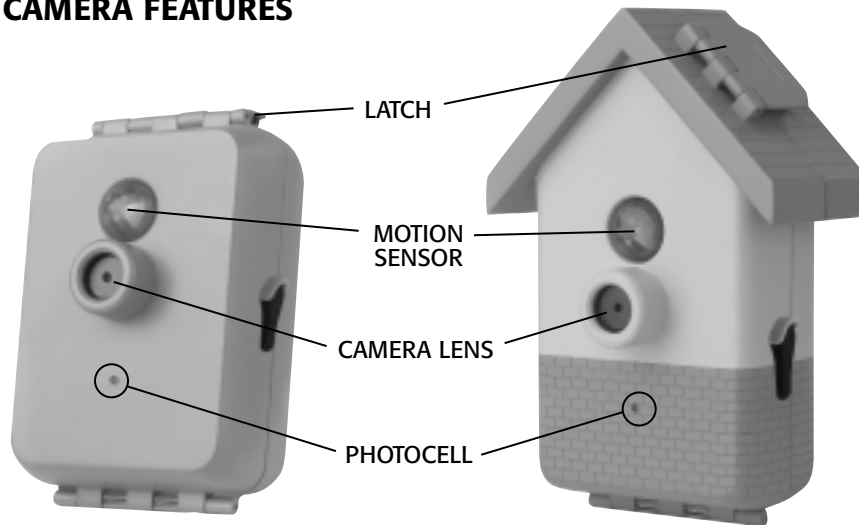
ADDITIONAL ITEMS NEEDED:

- SD Card (1G maximum)
- Mounting Pole

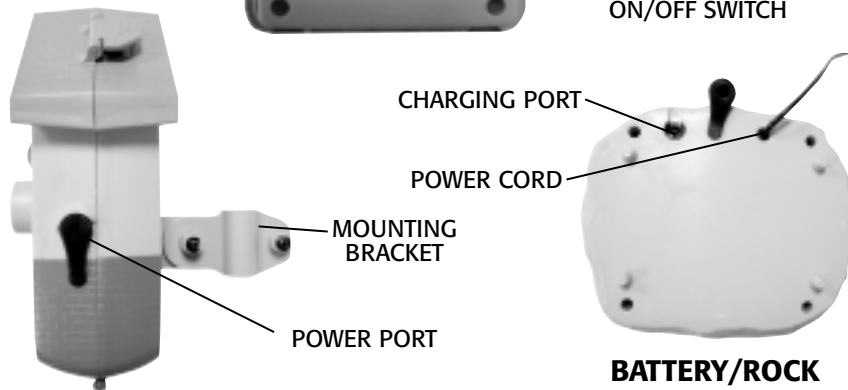
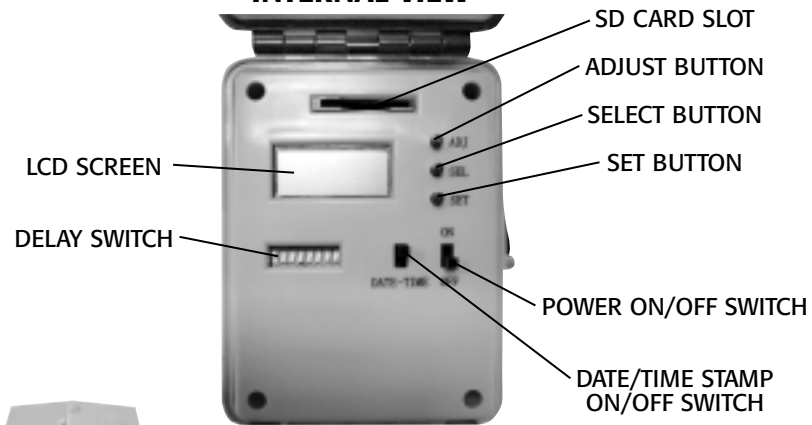
IMPORTANT NOTES:

- Use the included battery charger only. Failure to do this could damage the battery.
- Disconnect the battery from the camera before charging. Failure to do this could cause damage to the camera.
- The camera will power up and can be programmed without a SD card inserted. However, the SD card must be inserted to take pictures.
- The SD Card should only be inserted or removed when the power is OFF.
- When the camera is turned on, the LCD may remain blank for up to 60 seconds. This allows the camera to program itself and the software needed to run the motion sensor and the photocell.
- Make sure the camera is powered-up before closing the camera housing. When the numbers appear on the LCD screen, the camera is powered-up and ready to take pictures.
- The working temperature range of the camera is 0°F-115°F. Using the camera in conditions outside the temperature range may cause damage to the camera and/or the battery.
- The camera and battery housing are water resistant and can be left outside in the rain. Never submerge the camera or the battery "Rock" in water.

CAMERA FEATURES



INTERNAL VIEW



INSERTING THE SD CARD

The SD Card will store your pictures for you. The cards are available in 128mb, 256mb up to 1G. The Backyard Bird Camera will accommodate all SD cards up to and including 1G. The chart below shows the **approximate** number of pictures the different size SD Cards will store.

128mb SD Card	250 Pictures
256mb CD Card	500 Pictures
512mb SD Card	1000 Pictures
1G SD Card	2000 Pictures

To insert the SD Card, align the card with the card slot and the label facing the LCD Display. Then slide the card into the slot and press firmly until a "click" is heard and the card is secured.

To remove the card, simply press and release the card. Then pull the card from the slot.

VIEWING AND PRINTING YOUR PICTURES

There are several methods for viewing and printing your pictures.

One method is to use your personal computer and a SD card reader. The SD card reader allows you to view your pictures on your computer. Once you have viewed the pictures, you can print, e-mail or save the pictures to your computer.

Another method is to use a printer with a built in SD card reader. Some of these printers have a LCD screen that allows you to preview the pictures before printing. These range from desktop models to portable models that fit in the palm of your hand.

You can also take the SD card to your local photo processing center and preview and print the pictures in the store.

LENS CLEANING

Keeping the lens clean will ensure that you get the clearest pictures possible. Clean the lens regularly with a lens cloth or lens tissue.

Note: Never use a facial tissue or paper towel to clean the lens. These will scratch the lens, resulting in poor quality pictures.

DATE/TIME STAMP SWITCH

The Backyard Bird Camera allows you to display the Date and Time on your pictures. To turn this function on, move the Date/Time switch to the ON position. When the Date/Time Stamp is ON, "Stamp" will appear in the lower right hand corner of the LCD display.

If you do not want the Date and Time displayed on your pictures, move the Date/Time switch to the OFF position.

You can also check the Date and Time that your pictures were taken by looking at the picture properties on your computer. This allows you to take pictures without the Date/Time Stamp appearing on them and still find out when the birds are using your feeders, bird baths or bird houses.

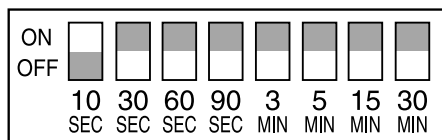
DELAY SWITCH

The Delay switch allows you to choose how much time will pass between pictures.

The Backyard Bird Camera will take a picture when a bird has been sensed by the motion sensor. The camera will then wait the desired amount of time before looking for another bird. If a bird is present after the delay period, the camera will take another picture.

If the camera is placed near a busy feeder, a longer delay setting may be desired. This will reduce the taking of multiple pictures of the same birds.

If the camera is placed in a low traffic area, a shorter delay setting may be desired. This will allow you to take as many pictures as possible. It may take some experimenting for you to find the correct setting that fits your needs.



✓ *Note: This diagram shows a delay time of 10 seconds.*

The delay switches are in the following order from left to right:

10 sec., 30 sec., 60 sec., 90 sec., 3 min., 5 min., 15 min., 30 min.

✓ *Note: Only ONE switch can be in the "ON" position at a time. If more than one switch is in the "ON" position, the camera will not function correctly.*

CHARGING THE BATTERY

1. Unplug the power cord from the camera.
2. Plug the charger into an AC outlet.
3. Remove the charging port plug from the bottom of the "Rock".
4. Plug the charger into the charging port on the bottom of the "Rock".
5. Charge the battery for 24 hours.

✓ *Note: Charging the battery for 24 hours will ensure that it is fully charged. We recommend that every time you charge the battery, charge it for 24 hours.*

When the camera is charging, you will notice a light on the charger. When the light is red, the battery is in the full charge mode. This mode will charge the battery as fast as possible until the battery reaches a predetermined voltage. Once the battery reaches the predetermined voltage the green light will come on and the trickle charge mode will begin. This mode allows the battery to slowly reach the maximum charge safely. Although the battery can be used once the green light comes on, we recommend that you charge the battery for 24 hours for maximum battery life.

✓ *Note: Always store the battery fully charged. This will allow the battery to retain its charging capacity.*

Because of the feeding patterns of some birds, we decided to keep the camera powered up at all times. This allows the camera to take a picture within seconds of being activated. With this in mind, your battery should last 2-3 days per charge. This will be affected by the time of year (amount of daylight) and the outside temperature (colder temperatures will result in a shorter battery life per charge). The number of pictures that the camera takes will not effect the life of the battery.

In order to keep your camera available for pictures every day, you may consider purchasing a spare "Rock" battery. (NovaBird Item # 02066-1)

LCD DISPLAY

The LCD display has several display modes. You can scroll through these by pressing the SET button.

1. The first display mode is the number of pictures taken. This is the default mode and the camera will always return to this mode after several seconds.



2. The second display mode shows the number of remaining pictures the SD Card can store. You can reach this mode by pressing the SET button once.



3. The third display mode is the Date. You can reach this mode by pressing the SET button twice.



4. The fourth display mode is the Time. You can reach this mode by pressing the SET button three times.



The LCD also displays when the Date/Time Stamp is ON. This function is ON when "Stamp" appears in the lower right hand corner of the display.

TURNING THE CAMERA ON

1. Plug the power cord from the battery into the power port on the camera.
2. Open the latches located on the roof of the camera.
3. Open the camera housing.
4. Move the power On/Off switch to the "ON" position. After approximately 60 seconds the camera will power up.

✓ *Note: Make sure the Photocell is not covered or laying on a flat surface. If the Photocell is not exposed to light, the camera will not turn on.*

At this point, the Time and Date can be set, Date/Time Stamp switch can be turned on or off and the Delay switch can be set to the desired delay.

SETTING THE DATE AND TIME

The date stamp for the Backyard Bird Camera is in the following format. MONTH/DAY/YEAR

To set the date stamp, press the SET button twice. The date will then appear on the LCD. Now, press the SELECT button to select the month. Then press the ADJUST button until the desired month is displayed. Once the correct month is displayed, press SELECT.

Now set the Day by pressing the ADJUST button. After the Day is set, press the SELECT button again. You can now set the year by pressing the ADJUST button. After the desired year is displayed press the SELECT button. This will store the Date and return the LCD to the default screen.

✓ *Note: The Backyard Bird Camera runs on Military Time. 1:00pm is 13:00, 2:00pm is 14:00, 3:00pm is 15:00, etc.*

To set the time stamp, press the SET button three times. The time will then appear on the LCD. Press the SELECT button to select the hour. Now press the ADJUST button until the correct hour is displayed and press SELECT. This will move you to the minutes. Press the ADJUST button until the correct minutes are displayed and press SELECT. Now press the ADJUST button until the correct seconds are displayed. Finally, press the SELECT button to store the Time.

✓ *Note: The camera has internal memory that will store the Date and Time when the battery is disconnected.*