



Model
6RHAS100LGR

Solar LED security light with motion sensor and built-in video camera

USER MANUAL



IMPORTANT

**READ THIS ENTIRE MANUAL TO BECOME FAMILIAR WITH THE PRODUCT BEFORE USE.
FOR HOUSEHOLD USE ONLY.**

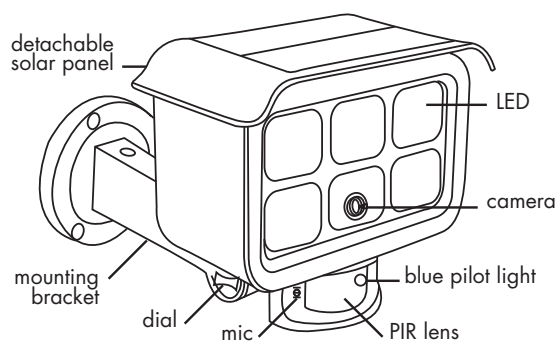
INTRODUCTION

It is usually difficult for the average person to even consider installing an outdoor lighting and surveillance camera system – until now! This Solar LED security light with motion sensor and built-in video camera is designed to economically provide safety and security for your home. And, best of all, you can install it yourself by carefully following this manual.

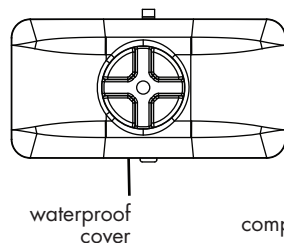
OVERVIEW

During the day, the solar panel collects light and maintains a charge in the battery. At night, the energy stored in the battery is used to power the LED light. To avoid wasting energy, the Solar LED security light remains in standby mode until body movement is detected by the built-in motion sensor. The Solar LED security light will activate at night whenever movement is detected within 16.5–26 ft (5–8 m). During activation, the blue pilot light behind the lens will flash to indicate a trigger, the light will illuminate for 15 seconds and the video camera will record for 10 seconds. Please note that the run time is dependent on how much sunlight the security light has collected during the day.

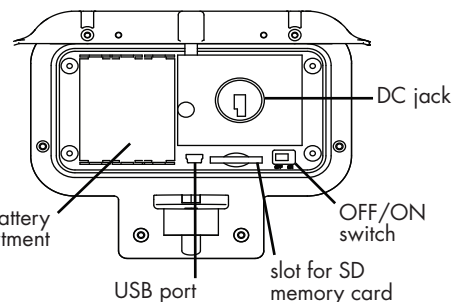
FEATURES AND SPECIFICATIONS



Front View



waterproof cover

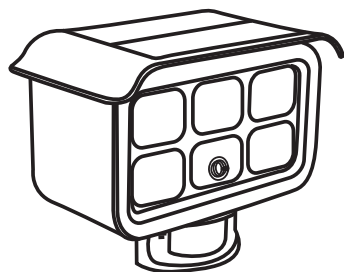


Back View

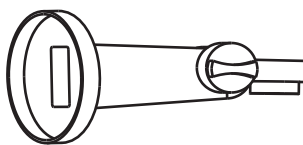
- Detachable crystal solar panel (4.3"x 3.2" / 109 mm x 82 mm) with 6.5 ft (2 m) cable – allows panel to be mounted away from the light
- 1 x 3.7 V 1800 mAh Lithium rechargeable battery (included)
- Two ways to re-charge battery:
 1. Recharge by solar cell through DC Jack
 2. Recharge directly by AC Adapter (not included)
- 10 x 50Lum Super Bright LEDs – no light bulbs to replace
- Passive infrared sensor has effective viewing angle of 100° and effective viewing distance of 16.4–26.25 ft (5–8 m)
- Records 10 second video (10 frames per second at 480 x 640 pixels)
- Built in SD card slot for SD memory card
- 1GB SD card included – stores 150 of the latest 10 second videos
- SD card specification: FAT
- Video contains audio plus auto date and time stamp
- Video format: JPEG AVI File
- Auto light sensor
- Sensitivity control
- Protection Class: IPX4

PARTS LIST + TOOLS REQUIRED

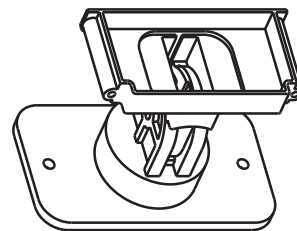
AFTER UN-PACKING YOUR NEW SOLAR LED SECURITY LIGHT, CHECK THE PRODUCT FOR DAMAGE AND MAKE SURE THAT YOU HAVE ALL PARTS IN THE PARTS LIST. IF YOU HAVE ANY PROBLEMS WITH THIS PRODUCT, OR IF THERE ARE MISSING OR DAMAGED PARTS, PLEASE CALL CUSTOMER SERVICE TOLL-FREE 1-800-459-4409 (MONDAY-FRIDAY, 8:30AM-5PM, EST). DO NOT RETURN THE PRODUCT TO THE STORE BEFORE CALLING THE TOLL-FREE NUMBER.



Solar LED security light with solar panel [01]



Solar LED security light mounting bracket [02]



Solar panel mounting bracket [03]



5 x Long screws [04]



5 x Wall anchors [05]

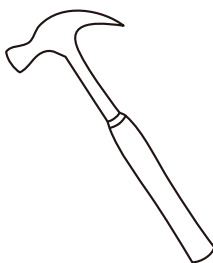


2 x Short screws [06]

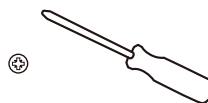


1 x Mounting
fixture screw [07]

TOOLS REQUIRED



Hammer



Screwdriver



Drill with
6 mm drill bit



Utility knife



Pencil

WARNING

THIS PRODUCT IS DESIGNED TO ILLUMINATE AND TO MAKE VIDEO RECORDINGS. IT WILL NOT PREVENT THE COMMISSION OF ANY ACT, LEGAL OR ILLEGAL. THE MANUFACTURER ASSUMES NO LIABILITY FOR ANY DAMAGE TO PROPERTY, INJURY TO PERSON, OR DEATH.

REMOVE DIRT OR STAINS WITH A SOFT CLOTH DAMPENED WITH WATER OR NEUTRAL DETERGENT. USE A SOFT LENS CLOTH FOR CLEANING THE LENS. AVOID TOUCHING THE LENS WITH FINGERS.

KEEP THE SECURITY LIGHT IN A DRY AND COOL DUST-FREE ENVIRONMENT OR CONTAINER WHEN IT IS NOT BEING USED.

THIS SECURITY LIGHT IS DESIGNED TO BE WEATHER RESISTANT. NEVER ATTEMPT TO IMMERSE THE UNIT IN WATER OR ANY OTHER LIQUID. THIS WILL DAMAGE THE UNIT AND VOID THE WARRANTY.

THIS PRODUCT IS A PRECISION ELECTRONIC DEVICE. DO NOT ATTEMPT TO SERVICE IT YOURSELF, AS OPENING OR REMOVING COVERS MAY EXPOSE YOU TO THE DANGER OF ELECTRIC SHOCK OR OTHER RISKS. YOU COULD ALSO DAMAGE THE UNIT AND WILL VOID THE WARRANTY.

LOCATION CHOICE FOR INSTALLATION

CHOOSING A LOCATION FOR YOUR SOLAR LED SECURITY LIGHT

This Solar LED security light can be mounted on any solid surface, such as a wall. The detachable solar panel is attached to a 6.5 ft (2 m) power cord and can be mounted vertically or horizontally onto a solid surface that receives direct sunlight, such as a roof or wall. You can adjust the angle of the solar cell by moving the angle adjustment on the solar panel to a different locking position. See Fig. 1.

NOTE: It is recommended that you mount the Solar LED security light about 6.5 ft (2 m) above the ground for optimum performance. Do not mount the fixture less than 4 ft (1.2 m) above the ground.

For optimum sun exposure and longer light output, place the solar panel, when attached to the Solar LED security light, in a position that receives at least 6–8 hours of direct sunlight per day. Ideally, the solar panel should face south. Placing the solar panel in a shaded location will not allow the battery to charge fully and will reduce the number of hours of operation per evening. In choosing a location for your Solar LED security light, ensure that the solar panel is not placed near night time light sources such as porch or street lighting. See Fig 2.

FIG. 1

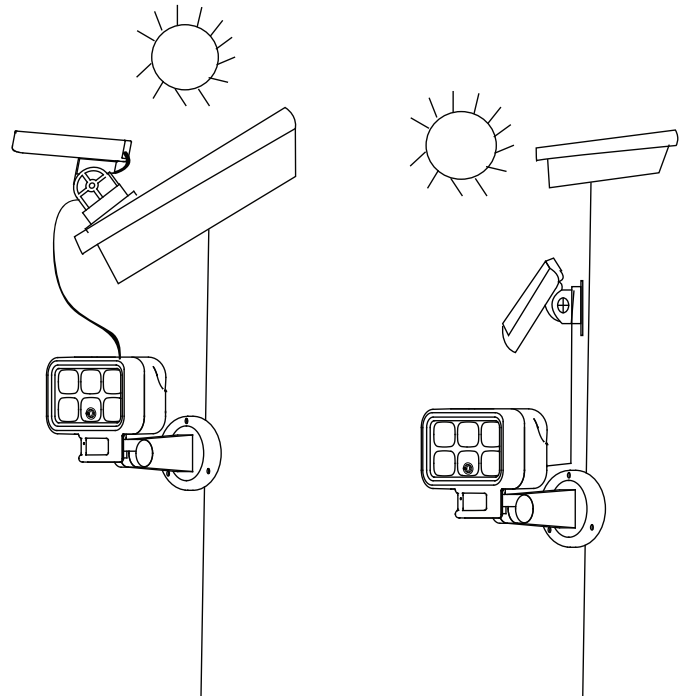
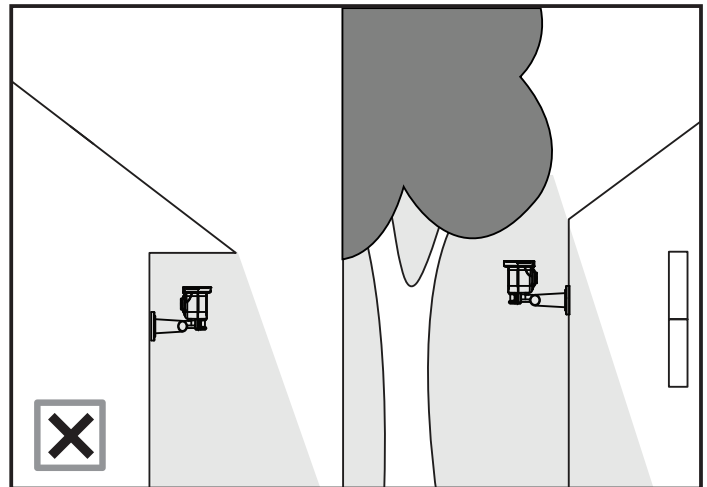
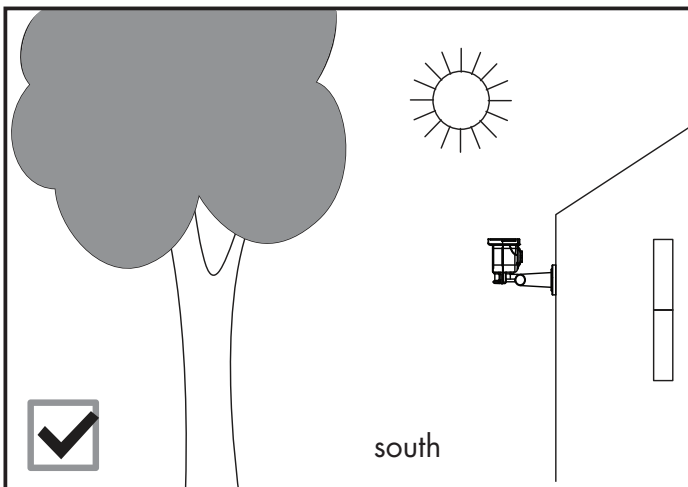
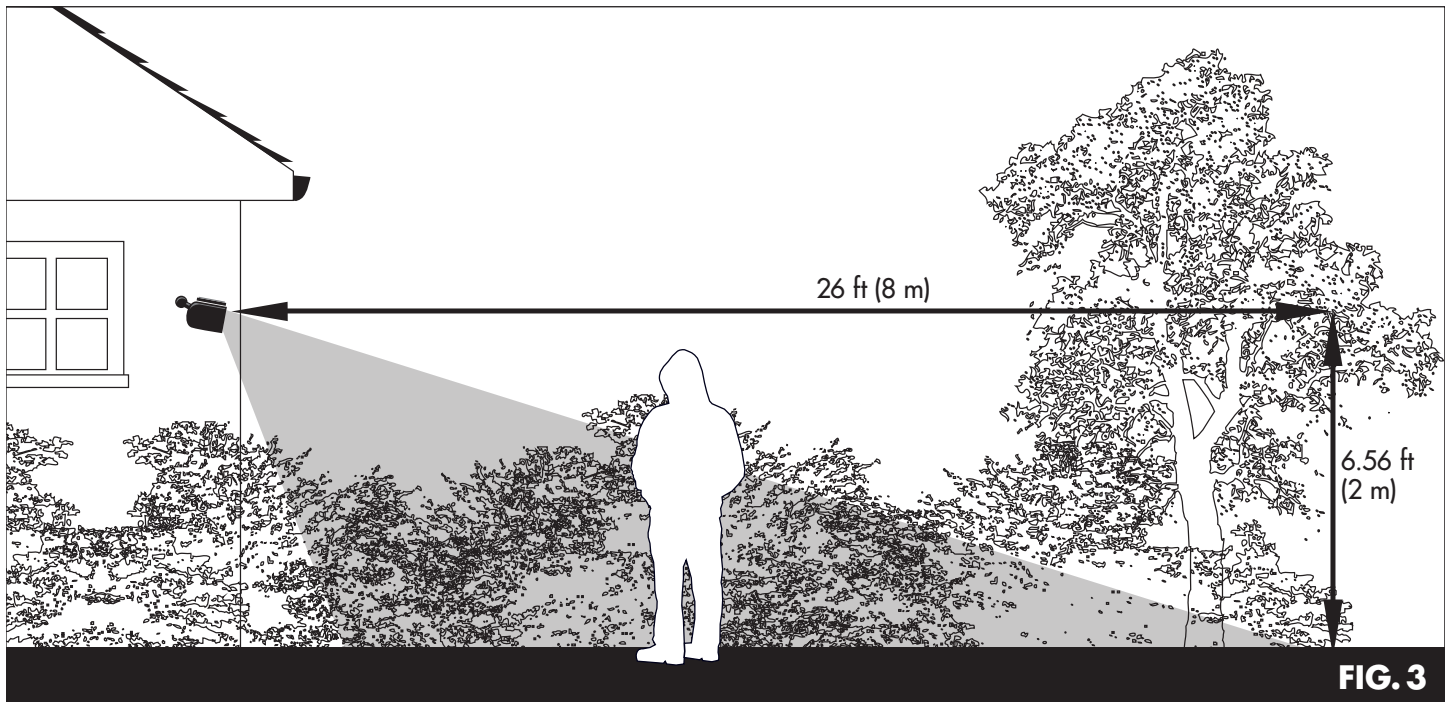


FIG. 2

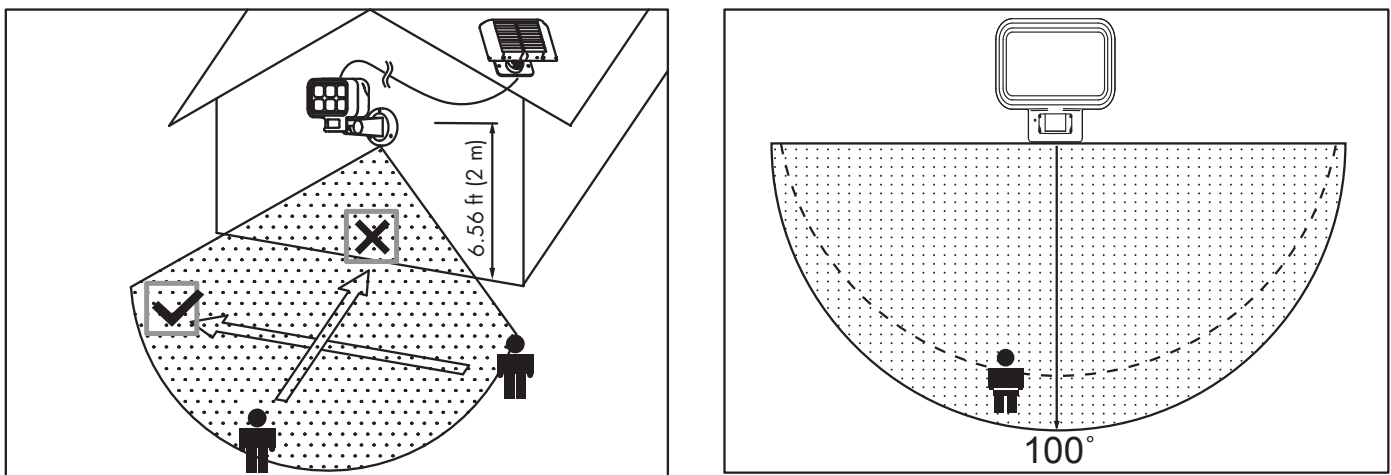


When deciding where to mount the light, keep in mind that the passive infrared sensor (PIR) operates by detecting movement and heat. When the temperature of the moving object and its surrounding area are close in value, it may reduce the PIR's sensitivity. The sensor will normally pick-up the movement of a person up to 16.5–26 ft (5–8 m) away when the outside temperature is 82°F (28°C) or less. See Fig. 3.



The motion detector's infrared beams radiate outward in a fan-like pattern. Prior to mounting, keep in mind that the motion sensor is more sensitive to motion moving perpendicular to the direction that the sensor is facing, and less sensitive to motion that moves directly towards or away from the sensor. See Fig. 4.

FIG. 4



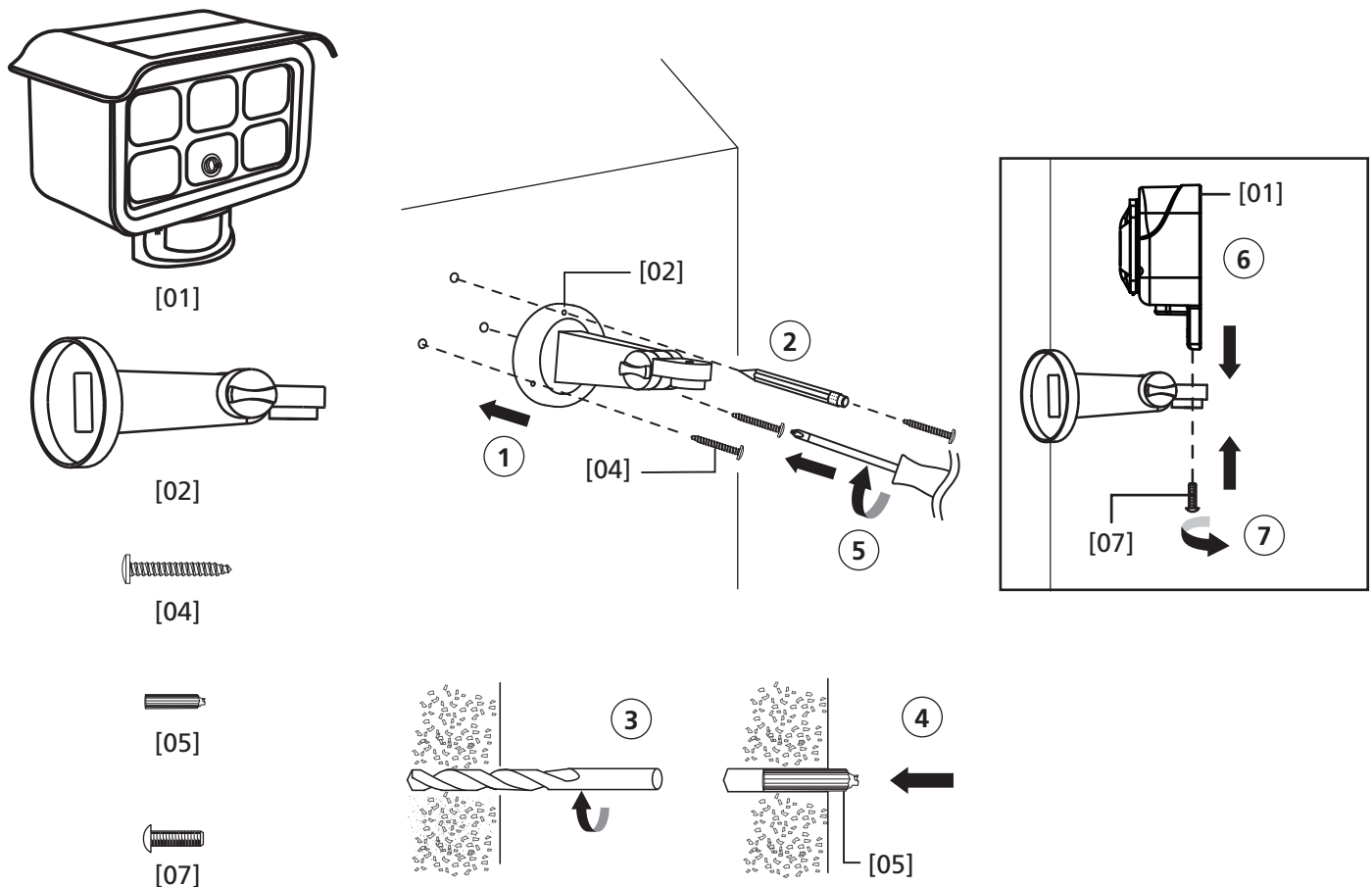
ASSEMBLY + INSTALLATION

MOUNTING THE SOLAR LED SECURITY LIGHT

Follow the instructions in Fig. 5 to mount the Solar LED security light [01].

- 1 Place the Solar LED security light mounting bracket [02] in the location where you have chosen to install it.
- 2 Using a pencil or felt tip marker, mark the placement of the three holes of the Solar LED security light mounting bracket [02] on the wall. Then remove the mounting bracket [02].
- 3 Choose a drill bit appropriate for the surface you are drilling into. For example, for stucco or cement use a masonry drill bit. Select a bit size slightly smaller in diameter than the wall anchor [05] and drill three pilot holes where you marked.
- 4 Gently hammer three wall anchors [05] into the three holes.
- 5 Line up the three holes on the mounting bracket [02] with the three wall anchors [05] and fasten using the three long screws [04].
- 6 Mount the Solar LED security light [01] to the mounting bracket [02] using the mounting fixture screw [07].
- 7 Tighten the mounting fixture screw [07] securely.

FIG. 5

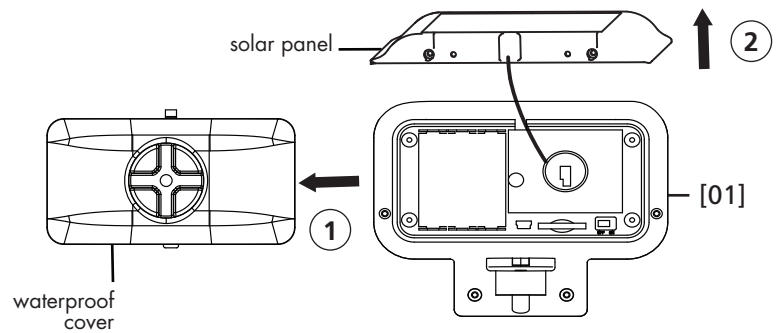


MOUNTING THE SOLAR PANEL

If you are mounting the solar panel separate from the camera/light body, see Fig 6 for how to separate the solar panel from the Solar LED security light [01].

- ① Unscrew the waterproof cover on the Solar LED security light and remove.
- ② Unscrew the solar panel. Carefully pull out the cord knob and detach the solar panel.

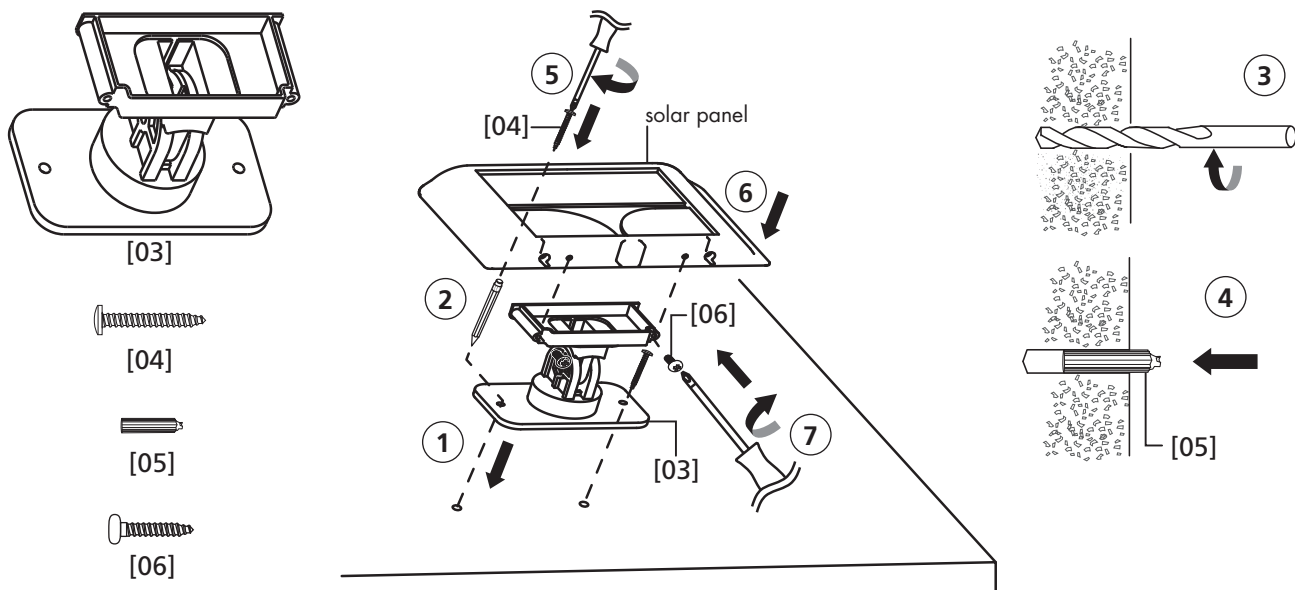
FIG. 6



Follow the instructions in Fig. 7 to mount the solar panel.

- ① Place the solar panel mounting bracket [03] in the location where you have chosen to install it.
- ② Using a pencil or felt tip marker, mark the placement of the two holes of the solar panel mounting bracket [03] on the wall. Then remove the mounting bracket [03].
- ③ If two wall anchors [05] are required, use a drill bit suitable for the type of surface you are drilling and drill two pilot holes.
- ④ Gently hammer the two wall anchors [05] into the two holes.
- ⑤ Securely fasten the solar panel mounting bracket [03] to the wall with two long screws [04].
- ⑥ Attach the solar panel to the solar panel mounting bracket [03] with the two short screws [06].
- ⑦ Securely tighten the two short screws [06].

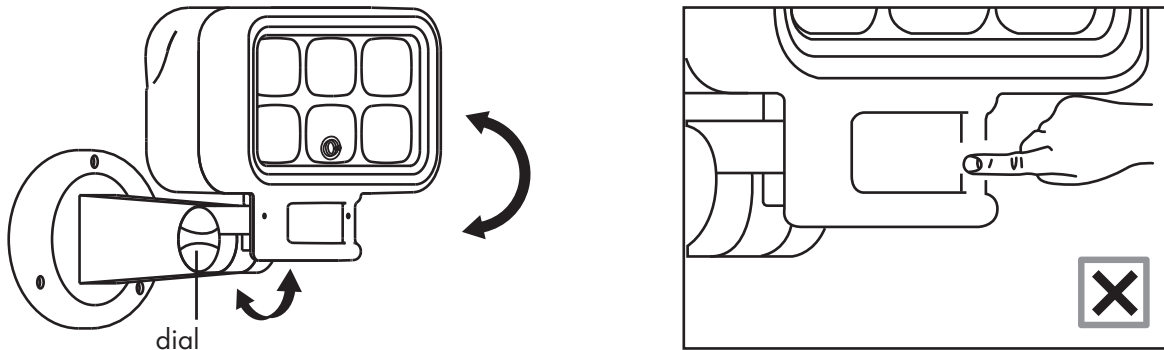
FIG. 7



ADJUSTING THE ANGLE OF THE SOLAR LED SECURITY LIGHT

The Solar LED security light/camera can be swiveled up and down, and left to right, according to your needs. To adjust it, first loosen the dial counterclockwise, then adjust the head. Then tighten the dial clockwise. See Fig. 8.

FIG. 8



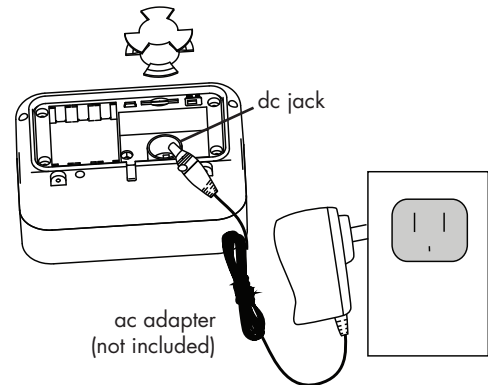
CHARGING THE BATTERY

There are two ways to charge the battery: by solar panel or by AC adapter. Please note that charging by AC adapter requires the purchase of equipment not provided.

BY SOLAR PANEL: Unscrew the waterproof cover and remove it. Make sure that the ON/OFF switch is in OFF position, then replace the waterproof cover and screw back on tightly. Before using the Solar LED security light for the first time, leave the ON/OFF switch in the OFF position for at least four (4) sunny days with the solar panel placed in direct sunlight. This will ensure that the battery has a full charge prior to motion sensor adjustment and normal operation.

BY AC ADAPTOR (NOT INCLUDED): Unscrew the waterproof cover and remove it. Make sure that the ON/OFF switch is in OFF position. Plug a 4.5–5V / 500mA AC adapter into the DC Jack, then into a power outlet. See Fig. 9.

FIG. 9



SETTING UP AND OPERATING THE SECURITY LIGHT

SETTING THE WORKING MODE

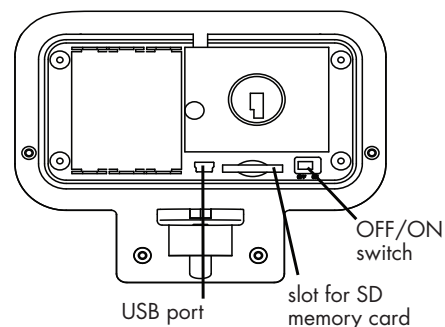
After the initial battery charging, remove the waterproof cover, if necessary, to adjust the working mode. See Fig. 10.

OFF Position for delivery or for long periods of non-use.
Position for initial charge before first use.

ON Daytime: camera on.
Nighttime: both camera and light on.

When you are finished adjusting the working mode, replace the waterproof cover, making sure to tighten the screws carefully. The Solar LED security light is ready for use.

FIG. 10



SETTING THE DATE AND TIME

Follow these instructions to set the date and time that will be stamped on each video clip.

- 1 Connect the Solar LED security light to your PC with a USB cable (not included). The SD card will now show as a removable hard drive.
- 2 Open the *Date & Time set up* folder.
- 3 Cut and paste the *time.txt* file to the root directory. (Note: a root directory is the first or topmost directory in the folder hierarchy. For example, if your computer assigns the SD card to be the E: Drive, then the root directory is E:\)
- 4 Enter the current date and time in the *time.txt* file. Now the date and time will show on each video clip.

VIDEO RECORDING AND PLAYBACK

Video clips are recorded onto the SD card that is inserted in the SD slot. See Fig. 10 on the previous page.

One 1 GB SD card is provided, which can record approximately 150 video clips. When the memory card is full, it will start overwriting the first recordings to ensure that you always have the latest videos available.

VIEWING VIDEOS VIA PC OR DIGITAL CAMERA

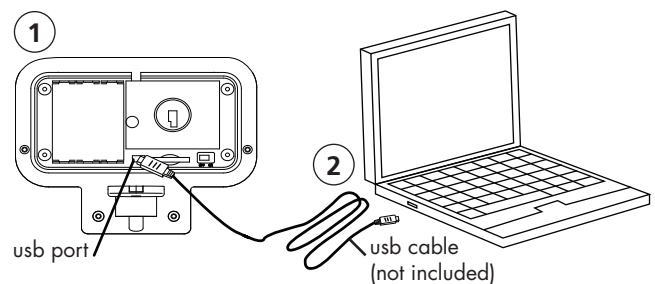
To view videos, you can connect directly to the SD card of the Solar LED security light by using a USB cable (not supplied). Alternately, you can also remove the card and insert it into a card reader or a digital camera.

When connected, the SD card will show as a removable hard drive. You can use Windows Media Player or other software to navigate to the \DCIM\100DSCIM folder and see your captured videos. You can copy videos to your PC, delete them from the SD card or edit them.

VIEWING VIDEOS DIRECTLY ON YOUR PC

- 1 Unscrew the waterproof cover on the security light.
- 2 Connect one end of a USB cable (not included) to the USB port on the Solar LED security light and then the other end to a USB port on your computer. The SD card will now show on your computer as a removable drive. See Fig. 11.

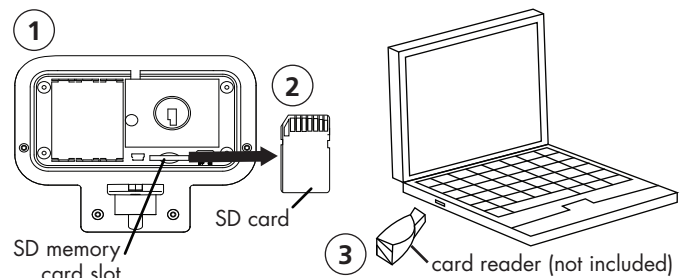
FIG. 11



VIEWING VIDEOS THROUGH A CARD READER OR DIGITAL CAMERA

- 1 Unscrew the waterproof cover on the security light.
- 2 Push in the SD memory card and it will spring out. Carefully remove the card from SD card socket.
- 3 Put the SD card in a card reader or digital camera. With either device connected to your PC in the usual way, the SD card will appear as a removable hard drive. See Fig. 12.

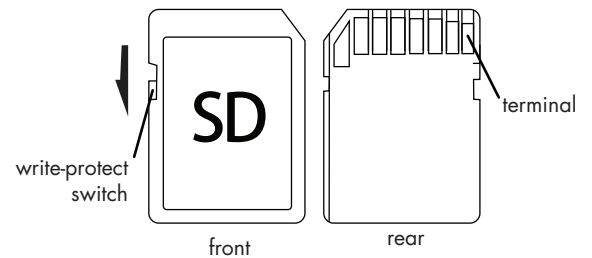
FIG. 12



PRECAUTIONS WHEN USING A SD CARD

The SD memory card is equipped with a write-protect switch. Setting the switch to LOCK protects the existing data by prohibiting recording of new data, deletion of existing data or formatting of the card. A prompt will pop-up on the PC screen when the card is write-protected. See Fig. 13.

FIG. 13



WARNING!

CARE SHOULD BE TAKEN WHEN REMOVING THE SD MEMORY CARD IMMEDIATELY AFTER USING THE CAMERA, AS THE CARD MAY BE HOT.

DO NOT REMOVE THE SD MEMORY CARD OR TURN THE CAMERA OFF WHILE DATA IS BEING SAVED TO THE CARD OR WHEN THE CARD IS CONNECTED TO A COMPUTER WITH A USB CABLE, AS THIS MAY CAUSE THE DATA TO BE LOST OR THE CARD TO BE DAMAGED.

DO NOT BEND THE SD MEMORY CARD OR SUBJECT IT TO VIOLENT IMPACT. KEEP IT AWAY FROM WATER AND STORE AWAY FROM HIGH TEMPERATURES.

DO NOT REMOVE THE SD MEMORY CARD DURING FORMATTING AS THIS MAY DAMAGE THE CARD AND RENDER IT UNUSABLE.

IF IT IS NOT USED FOR A LONG TIME, THE DATA ON THE CARD MAY BECOME UNREADABLE. BE SURE TO REGULARLY MAKE A BACKUP OF IMPORTANT DATA ON A COMPUTER.

AVOID USING OR STORING THE CARD WHERE IT MAY BE EXPOSED TO STATIC ELECTRICITY OR ELECTRICAL INTERFERENCE.

AVOID USING OR STORING THE CARD IN DIRECT SUNLIGHT OR WHERE IT MAY BE EXPOSED TO RAPID CHANGES IN TEMPERATURE OR TO CONDENSATION.

WHEN USING AN SD MEMORY CARD WITH A SLOW RECORDING SPEED, RECORDING MAY STOP WHILE YOU ARE TAKING MOVIES OR SHOOTING AND PLAYBACK MAY TAKE A LONG TIME, EVEN WHEN THERE IS ADEQUATE SPACE IN THE MEMORY.

BE SURE TO FORMAT AN SD MEMORY CARD THAT IS UNUSED OR HAS BEEN USED ON ANOTHER CAMERA.

PLEASE NOTE THAT FORMATTING THE SD MEMORY CARD WILL NOT NECESSARILY DELETE THE DATA SO THAT IT CANNOT BE RECOVERED USING OFF-THE-SHELF DATA RECOVERY SOFTWARE. THERE ARE OFF-THE-SHELF SECURE DATA DELETION SOFTWARE PROGRAMS AVAILABLE THAT WILL COMPLETELY DELETE THE DATA. IF YOU ARE GOING TO DISCARD, GIVE AWAY OR SELL YOUR SD MEMORY CARD, YOU SHOULD ENSURE THAT THE DATA ON THE CARD IS COMPLETELY DELETED OR THE CARD ITSELF IS DESTROYED.

THE DATA ON THE SD MEMORY CARD MAY BE DELETED IN THE FOLLOWING CIRCUMSTANCES. WE DO NOT ACCEPT ANY LIABILITY FOR DATA THAT IS DELETED.

1. When the SD card is mishandled by the user.
2. When the SD card is exposed to static electricity or electrical interference.
3. When the SD card has not been used for a long time.
4. When the card is ejected or the battery is removed while the data on the card is being recorded or accessed.

TROUBLESHOOTING

Light will NOT switch on when there is movement in the detection area

- Ensure that the power switch on the main body has been turned to the "ON" position.
- Ensure that the motion sensor has been positioned to face movement.
- Ensure that the battery has been fully charged in direct sunlight for four (4) sunny days.
- Check to see that the solar cell charge panel is facing south so that it receives direct sunlight for most of the day, enabling the battery to fully charge.
- Check to see that the solar panel is not near night time light sources such as street lights.

Light switches on for no apparent reason

- Moving trees, traffic, pets or birds may be getting in the area of detection. This may be unavoidable; however the sensor could be redirected to a height where this is less likely to occur.
- If there are reflective objects in the detection area such as windows, water or white walls, you may need to redirect or possibly reposition the motion sensor.
- Test the motion sensor by covering it completely with cardboard and waiting several minutes to make sure it does not detect motion. If the light still switches on, please contact us for further assistance.

Light quickly flashes on and off

- The battery charge may be low. Turn the ON/OFF switch to the "OFF" position and charge the battery for four (4) sunny days, ensuring the solar cell charge panel has been placed in direct sunlight.

Light is not as bright as normal

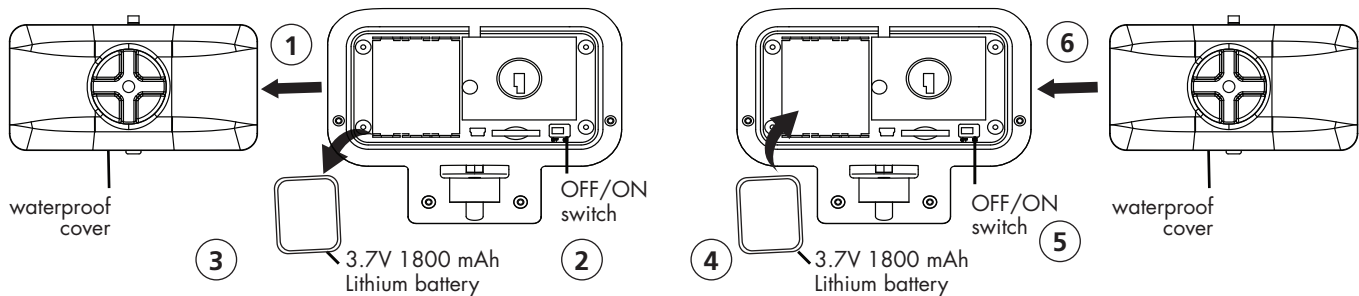
- Battery charge may be low. Turn the ON/OFF switch to the "OFF" position and charge the battery for four (4) sunny days, ensuring the solar cell charge panel has been placed in direct sunlight.

BATTERY REPLACEMENT

Follow the instructions in Fig. 14 to replace the battery.

- ① Unscrew the waterproof cover.
- ② Make sure the ON/OFF switch is in the "OFF" position.
- ③ Carefully remove the old battery from its compartment.
- ④ Replace with a new 1800 mAh Lithium rechargeable battery of same or greater capacity. Replace the waterproof cover and recharge the new battery in full, direct sunlight for four (4) sunny days.
- ⑤ Remove the waterproof cover again and slide the ON/OFF switch to the "ON" position.
- ⑥ Reattach the waterproof cover. The unit is now ready for use.

FIG. 14



ATTENTION: The old battery must be recycled or disposed of properly. For additional information regarding disposal, contact your local solid waste authority.

RECYCLING



This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). For further information on how to recycle or dismantle this product in order to minimize its impact on the environment, please contact your local or regional authorities.

Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.

WARRANTY

This product is warranted to be free from defect in materials and workmanship under residential use for a period of one year from date of purchase. If the unit should fail to operate correctly, please call customer service at 1-800-459-4409 (Monday–Friday, 8:30 am–5:00 pm, EST) or contact us through our website at www.qualitycraft.com. Proof of purchase is required for all claims. The company's sole obligation is to repair or replace the unit. This warranty is void, if in the opinion of Quality Craft, the unit has been tampered with, altered, taken apart, misused or damaged.

WARRANTY CLAIM PROCEDURE

If a claimable defect occurs, please fill out a claim form through our website at www.qualitycraft.com or contact our customer service department at 1-800-459-4409. Before you make your claim call, please make sure you have:

1. The description of the product
2. Proof of sale
3. Details regarding the defect
4. Name and address of the owner and installer

Claims must be filled out in writing and returned within six (6) months of appearance of defect. Failure to comply with this stipulation will make the warranty null and void. We reserve the right to a thirty-day (30) delay following receipt of claim in which to inspect the product. We assume no responsibility for labor costs or removing/replacing a previously installed product or transportation or return of a product.

Imported by

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www.qualitycraft.com

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