



CoyoteLight Gen2 Model
CoyoteLight Pro Gen2 Model
Manual

CoyoteLight is an innovative hunting light designed by predator hunters for predator hunters. Our goal is to provide our customers with the highest quality and performing predator hunting lights in the industry. We take great pride in manufacturing our products in the USA



CoyoteLight, INC

Contact Us:

Phone: 484-986-0095

E-mail: info@coyotelight.com

Visit us online: www.coyotelight.com

Table of Contents

- 1. Features**
- 2. Accessories**
- 3. Technical Data**
- 4. Mounting the CoyoteLight**
 - 4.1 Scope Mount
 - 4.2 ¼ x 20 Rail Mount
 - 4.3 Picatinny Rail Mount
- 5. Operating guide**
 - 5.1 On/Off Switch & Main Dimmer Control
 - 5.2 Focus
 - 5.3 External Dimmer Control
 - 5.4 Batteries and Charge Instructions
 - 5.5 Battery Charging Safety
 - 5.6 Battery Charge Indicator LED
 - 5.7 Battery Charging
 - 5.8 Battery Replacement
 - 5.9 Low Battery Indicator LED
- 6. Maintenance**
- 7. Hunting Tips and Methods**
 - 7.1 Handheld
 - 7.2 Mono-pod
 - 7.3 Dimming Feature
 - 7.4 CoyoteLight Mounting and Setup
 - 7.5 Battery Performance in Extreme Cold Temperatures
- 8. Disclaimer**
 - 8.1 Warning
- 9. Warranty**
 - 9.1 Warranty Limitations and / or Exclusions

1.Features



1. Rugged Aluminum Housing
2. Focusable Lens Tube Assembly



3. On/Off Switch and Main Dimmer Control
4. External Dimmer Jack
5. Low Battery Indicator LED
6. Charge Jack

2. Accessories

1. Scope Mounts: (25mm (1"), 30mm, & 34mm)
2. Car Charger
3. External Dimmer
4. Pelican Storm Case
5. Spare 18650 Batteries
6. Picatinny to Picatinny Adapters:
 - 1" (Single Bolt)
 - 1"
 - 1.5"
 - 2"
 - 2.5"
 - 3"
 - 4"
 - 5"
 - 6"
7. Shotgun Mount
8. Handle
9. Handle with Belt Clip
10. Tactical LED Grip Light

3. Technical Data

Weight in Air: 1.25lbs

Operating Temperature: 14F (-10C) to 120F (50C)

Storage Temperature: 32F to 70F

Dimensions: Maximum Length: 8 ½"; Maximum Diameter: 2 ¼"

4. Mounting the CoyoteLight



4.1 Scope Mount

Install a scope mount to an open section of your scope. Mount the front of the CoyoteLight lens tube even with the front of your rifle scope to keep all light spill off your gun. It is usually best to attach the CoyoteLight vertical above the scope. However, the CoyoteLight can also be mounted on a 45 degree or 90 degree angle to avoid scope turrets. We recommend using high scope rings for clearance on large objective scopes or high scope turrets. Mount the CoyoteLight in a position where there is no light splash hitting you, your gun, or other hunters.

4.2 ¼ x 20 Rail Mount

The rail is designed to mount the CoyoteLight on any device with a standard ¼ x 20 thread. Most commonly on a mono-pod, tripod, or camera stand. **DO NOT OVERTIGHTEN.**



4.3 Picatinny Rail Mount

The rail on the CoyoteLight can adapt to any Mil-Spec picatinny rail with the CoyoteLight picatinny adapter.

5. Operating Guide

5.1 On/Off Switch & Main Dimmer Control

To turn CoyoteLight “On” simply turn the main dimmer clockwise until you can feel the switch click. Now the light is “on”, but at the minimum brightness. Turn the main dimmer in the clockwise direction to increase the brightness.

To turn off the CoyoteLight, turn the main dimmer counter clockwise until it clicks.

5.2 Focus

Hold the front lens tube and twist to adjust the focus. When the CoyoteLight is fully focused, the light will be projected in a square shape. This is designed for maximum focus and is not a defect.

5.3 External Dimmer Jack

Secure the 3.5mm plug on the external dimmer control into the 3.5mm jack on the back of the CoyoteLight. Make sure the plug is firmly secured.

At this point the external dimmer has control of the dimming function. When the external dimmer is installed it disables the main dimmer control. The external dimmer does not turn the CoyoteLight on or off. The on/off switch main dimmer control is the only way to turn the CoyoteLight on and off.

5.4 Batteries and Charging Instructions

NEVER CONNECT ANYTHING OTHER THAN A COYOTELIGHT APPROVED CHARGER TO THE CHARGE JACK.

5.5 Battery Charging Safety

Never try to charge other types of batteries such as NiMH/NiCd batteries, or Lead-acid battery packs, as this may cause property damage or even personal injury. The charger is for indoor use only. Never expose the charger to the rain or snow. To avoid hi-voltage electrical shock, do not open the charger cover. Make sure good ventilation is provided when the charger is operating. Don't place the charger near any heat source when charging. Do not leave the battery charger unattended.

Discontinue use of the charger and refer servicing to qualified service personnel under the following conditions:

- a. If the power cord or plug is damaged or frayed.
- b. If liquid has been spilled into the charger
- c. If the charger case has been dropped or damaged
- d. If the charger does not operate normally when the operating instructions are followed.

5.6 Battery Charger Indicator LED

1. Connect the charger AC power plug to a power outlet and the LED will light up green.
2. Connect the charger DC power plug into the back of the CoyoteLight. If the batteries are not fully charged, the LED will light up Red. Red color LED indicates it is in the main charging stage.
3. If the charger LED is green, the charging is complete and the charger will enter maintenance mode stage (trickle charge).

5.7 Battery Charging

The CoyoteLight has three circuit protected Lithium Ion battery cells. Partial discharge is safe, and there is no battery memory. The batteries do not need periodic full discharge cycles and can be charged at any time. If batteries are completely discharged, the maximum charge time can be up to 8 hours with the wall charger.

5.8 Battery Replacement

The batteries can easily be replaced by turning the end cap firmly counter-clockwise. The set screw on the end cap must click past the dowel pin on the rail.

ONLY USE COYOTELIGHT APPROVED BATTERIES

Install batteries with the correct polarity shown below. Press the end cap down firmly against the main housing and twist clockwise until the set screw is fully locked into the rail and over the dowel pin.



5.9 Low Battery Indicator LED

The low battery indicator will illuminate red and warn you when the batteries are getting low. Under normal hunting conditions, you can expect a few minutes of operating time once the low battery indicator comes on. When the batteries are completely discharged, the low battery indicator will be on, but the light will not function. Due to the unique features of the CoyoteLight, the light will always have the ability to run at full intensity, even if the low battery indication is on. CoyoteLight will not dim as the batteries are depleted.

6. Maintenance

Before storing the CoyoteLight, dry any rain, snow, or moisture off the light & lens.

If condensation or moisture is noticed behind the lens, remove the lens tube. You can do this by removing the two nylon hex bolts with a 5/32" Allen key. Do not try to remove the lens, but use a soft dry cloth to clean the back of the glass lens.

7. Hunting Tips and Methods

7.1 Handheld

If holding the CoyoteLight is your method, add a handle to the lights picatinny rail for maximum comfort and mobility.

7.2 Mono-pod

When hunting in a group, the CoyoteLight can be installed on a mono-pod or camera stand for maximum versatility. Be sure the CoyoteLight is mounted above all hunters. With the twist of your wrist, this gives a 360 degree view with maximum visibility and minimal movement. It is also recommended installing the external dimmer at a comfortable height on the mono-pod to lessen fatigue on long hunts and minimize movement.

7.3 Dimming Feature

For light-shy game, dim the light just enough to see the reflection of the animals eyes. This enables you to keep the animal in the center of the scope.

Remember that when scanning with the CoyoteLight for game, full light intensity is rarely needed. Turn the CoyoteLight intensity up only to identify your target and to shoot. Your objective is to locate eyes which can be achieved at a very low power and maximizes battery life.

7.4 CoyoteLight Mounting

Remember to mount the CoyoteLight in a position where there is no light splash hitting you, your gun, other hunters, brush, or surrounding branches.

7.5 Battery Performance in Extreme Cold Temperatures

For best battery performance, keep your CoyoteLight from obtaining below freezing temperatures while turned off. However, once the CoyoteLight is turned on, it will generate enough internal heat to run at optimum levels.

8. Disclaimer

CoyoteLight is intended for the legal taking of game. Know your states game laws about night hunting and using artificial lights.

8.1 Warning:

Do not shine the CoyoteLight in your eyes or anyone else's.

Do not store the light in direct sunlight, in a non-ventilated area, or where there is potential to have excessive heat.

9.Warranty

Every CoyoteLight comes with a limited lifetime warranty. This covers any failure due to defects in materials and workmanship, so long as maintenance described in the manual is performed. Electronic components have a (5) year warranty. This warranty does not cover batteries.

Subject to the limitations and / or exclusions specified herein, CoyoteLight will repair or replace, at its expense and at its option, any system or component, which in normal use has proven to be defective in material or workmanship within the lifetime of the CoyoteLight manufactures the product model.

For claims that are authorized under the provisions during the warranty period, CoyoteLight will pay for the shipping of affected product(s) from the owner to CoyoteLight, or its authorized dealers, and return shipment of the repaired product(s) or their replacement(s) to the owner. In order to take advantage of this, the customer must contact CoyoteLight for an RMA number and shipping instructions.

9.1 Warranty Limitations and / or Exclusions:

1. Any separate product purchased from, but not manufactured by, CoyoteLight, Inc. is sold with only such warranties as are made by the manufacturer thereof. CoyoteLight only warrants that it has title thereto, free of all liens or encumbrances.
2. This warranty does not apply to systems or components that are damaged or fail as a result of failure of the user to read and observe instructions for proper operation and maintenance as contained in the User Instruction Manual furnished with the equipment.
3. This warranty does not apply to systems or components that are damaged or fail by connection to improper or improperly wired sources of power, or by inadequate packing, accident in transit or elsewhere, fire, theft or other similar calamity.

CoyoteLight will not be responsible for any asserted defect which has resulted from acts of God, normal wear, misuse, abuse, improper configuration, repair, or alteration made, or specifically authorized by, anyone other than an authorized representative of CoyoteLight. The giving of, or failure to give, any advice or recommendation by CoyoteLight shall not constitute any warranty by, or impose any liability on CoyoteLight.

The foregoing constitutes the sole and exclusive remedy of the purchaser and the exclusive liability of CoyoteLight and is in lieu of any and all other warranties, express, implied or statutory as to merchantability, fitness for purpose sold, description, quality productiveness, or any other matter. Under no circumstances shall CoyoteLight be liable for special, incidental or consequential damages, or for delay in performance of this warranty.