iProtec LG400

iProtec LG400 Flashlight User Manual

Model: LG400 (Part Number: 6652)

Introduction

The iProtec LG400 is a versatile and powerful LED flashlight specifically engineered for use with long guns. It delivers intense illumination with multiple light modes and includes a unique red lens filter for specialized applications. This manual provides detailed instructions to ensure proper setup, safe operation, and effective maintenance of your LG400 flashlight.

Product Overview

The iProtec LG400 is equipped with a high-power LED capable of emitting a tightly focused beam. Its design incorporates a tactical self-defense edge, a 6x adjustable zoom, and a convex lens for optimal light distribution. Constructed from anodized aircraft-grade aluminum, it is both water and impact-resistant.



This image displays the iProtec LG400 flashlight along with its key accessories. Visible are the main flashlight unit, a remote pressure switch for operation, a universal mounting bracket for attachment to firearms, and a removable red flip-up lens filter.

Features

- High-power LED with 3 light modes: High, Low, and Strobe.
- Removable flip-up red lens filter for preserving night vision and specialized use.
- Universal mount compatible with 20mm - 32.5mm barrel and scope diameters.
- Tool-less adjustment and locking for the universal mount.
- Patented rail-mount for additional accessories (18mm x 24mm).
- Dual-mode pressure switch and standard flashlight cap for operation.
- Tactical self-defense edge.
- 6x adjustable zoom and convex lens for focused or distributed light.
- Anodized aircraft-grade aluminum construction, water and impact-resistant.

Components

The iProtec LG400 package includes the following components:

- iProtec LG400 Firearm Light
- Universal Gun Mount
- Pressure Switch
- Flip-Up Red Lens Filter

- 3 AAA Batteries (included)



A detailed view of the iProtec LG400 flashlight, highlighting its durable aluminum body, the convex lens designed for light distribution, and the side-positioned button for mode control.

Setup

Mounting the Flashlight

The LG400 features a universal mount designed for easy attachment to various long guns without the need for tools. The mount fits barrel and scope diameters ranging from 20mm to 32.5mm.

1. Identify a suitable mounting location on your firearm's barrel or scope.
2. Open the universal mount clamp.
3. Position the flashlight within the mount, ensuring the lens faces forward.
4. Place the mount around the barrel or scope.
5. Close and tighten the mount's locking mechanism until it is secure. The mount adjusts, tightens, and locks without requiring additional tools.
6. Ensure the flashlight is firmly attached and does not obstruct any firearm functions or sights.



This image demonstrates the iProtec LG400 flashlight securely attached to a rifle barrel. The universal mount allows for easy, tool-free installation and adjustment on various barrel and scope diameters.



The iProtec LG400 flashlight is shown mounted on a rifle, projecting a powerful white light beam. This illustrates its primary function as a tactical illumination device.

Operating Instructions

Light Modes

The LG400 features three distinct light modes:

Mode	Lumens	Run Time	Beam Distance
High	400	2 Hours	179 meters
Low	40	20 Hours	57 meters
Strobe	400	5 Hours	179 meters

Using the Pressure Switch and Standard Cap

The LG400 can be operated using either the included dual-mode pressure switch or the standard flashlight end cap.

- **Pressure Switch:** Connect the pressure switch to the flashlight's end. The pressure switch provides momentary operation. Press and hold for temporary light, release to turn off.
- **Standard End Cap:** Replace the pressure switch with the standard end cap for traditional flashlight use. The side-positioned button on the flashlight body controls the light modes (High, Low, Strobe) with successive presses.

Red Lens Filter

The removable flip-up red lens filter is designed to preserve night vision in low-light or nighttime situations. Red light also provides better visibility in smoky conditions and is less detectable over long distances by the human eye.

- To attach, simply place the red lens filter over the flashlight's head.
- To remove, gently pull the filter off the flashlight head.



This image shows the iProtec LG400 flashlight attached to a shotgun, with the removable red flip-up lens filter engaged. The red light is

useful for preserving night vision and provides better visibility in certain conditions like smoke.

Battery Installation and Replacement

The iProtec LG400 is powered by 3 AAA batteries, which are included with the product.

1. Unscrew the tail cap of the flashlight.
2. Insert 3 AAA batteries into the battery compartment, ensuring correct polarity (+/-) as indicated inside the flashlight.
3. Screw the tail cap back on securely.
4. When replacing batteries, always use fresh, high-quality AAA alkaline batteries.

Maintenance

To ensure the longevity and optimal performance of your iProtec LG400 flashlight, follow these maintenance guidelines:

- **Cleaning:** Wipe the flashlight body with a clean, damp cloth. Do not use abrasive cleaners or solvents. Keep the lens clean for maximum light output.
- **Battery Care:** Remove batteries if the flashlight will not be used for an extended period to prevent leakage and damage.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.
- **O-Rings:** Periodically inspect the O-rings for wear and tear. Lubricate them with silicone grease to maintain water resistance.

Troubleshooting

If you encounter issues with your iProtec LG400 flashlight, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	Dead or incorrectly inserted batteries	Replace batteries with fresh ones, ensuring correct polarity.
	Loose tail cap	Tighten the tail cap securely.
	Dirty contacts	Clean battery and flashlight contacts with a clean cloth.
Dim light or flickering	Low batteries	Replace batteries.
	Loose connections	Ensure tail cap and head are fully tightened.
Mount does not secure properly	Incorrect barrel/scope diameter	Ensure diameter is within 20mm - 32.5mm range.
	Mounting mechanism not fully engaged	Adjust and re-tighten the mount's locking mechanism.

Specifications

Attribute	Detail
Model Name	iProtec LG Series (LG400)

Attribute	Detail
Part Number	6652
Light Source Type	LED
Brightness	400 Lumens (High)
Power Source	3 AAA Batteries
Battery Cell Composition	Alkaline
Material	Anodized Aircraft-Grade Aluminum
Mounting Type	Universal Mount (20mm - 32.5mm)
Color	Black
Item Package Dimensions	9.65 x 4.17 x 3.03 inches
Package Weight	0.6 Kilograms
UPC	645397932048

Warranty and Support

The iProtec LG400 Flashlight comes with a **1-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or any inquiries not covered in this manual, please contact the manufacturer, Alliance Sports Group, L.P. Marine, directly through their official support channels. Please retain your proof of purchase for warranty validation.

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