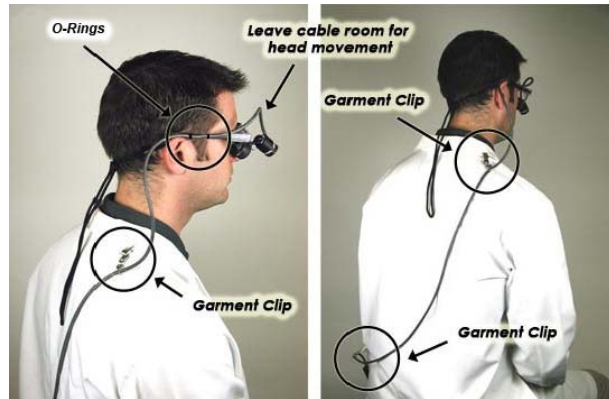
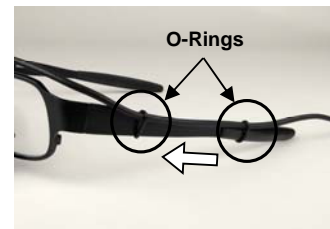


## Cable Routing



### Cable Attachment to Temple Arm



- ◆ Attach light cord to frame by sliding both o-rings onto temple arm, as shown

\*Note: O-rings are attached to LED cord.

## Attaching/Removing Light Adapter from Loupe



Dove Tail Adapter



Clip Adapter

## Warranty

Covered under Warranty – from defects in material and/or workmanship

- Battery 12 months - from the date of purchase
- All other parts 24 months - from the date of purchase

Not Covered under Warranty

- Any damage due to improper usage or mishandling, cleaning
- Any damage due to not following instructions and warnings
- Any attempt to repair the light other than with SurgiTel will void warranty
- Normal wear and tear, items based on life (i.e. LED, Battery)

Should your product prove to have such defects that is covered by our warranty within 12 months of the purchase, SurgiTel will repair or replace the product or component part without charge. Should your LED System need servicing under this warranty, please contact SurgiTel customer service for return authorization documentation. You should carefully pack unit in a sturdy carton and ship it to the factory. Mark the package with the RMA number and please include a note describing the defects, your name, telephone number and a return address. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

In the U.S call: 800-959-0153

FAX number: 734-662-0520

**SurgiTel®**

a division of **General Scientific Corporation**  
77 Enterprise Drive • Ann Arbor, MI 48103-9503  
E-mail [info@surgitel.com](mailto:info@surgitel.com) • [www.surgitel.com](http://www.surgitel.com)

**SurgiTel®**

## LED Headlights Manual

(Part #25456, Revision K, 09-15-14)

### Package Contents

- LED Headlight with Battery Control Pack
- Universal AC Charger
- Accessory Kit

### Technical Data

LED Light	Several optics available
LED Life (Estimated on intensity used)	Over 10,000 hours
Battery	Rechargeable Lithium Ion Battery, 7.4V 2,600 mAh
AC Charger	Input: 100-240V, 50-60Hz, 0.5A    Output: +8.4V, 1.5A

## General Warnings

- The user of this product should be thoroughly familiar with the use and care of this product.
- The user should carefully study the manual before making any attempt to use this product clinically.
- Before each procedure carefully inspect the cable to ensure the proper maintenance and sterilization (when recommended).
- Use care not to point the light directly at the eyes during operation; patient use of safety glasses is recommended.

**FIRE HAZARD: DO NOT PLACE THE LED LIGHT UNIT ON ANY FLAMMABLE OBJECT WHILE IT IS OPERATING.**

### WARNING:

- The LED light unit will get hot when left on. Handle with care. It is recommended to turn off the LED before handling or making any adjustments to your LED light system.
- Avoid direct light contact with the eyes.
- Avoid direct light irradiation in patient's eyes; patient use of safety glasses is recommended.

### BATTERY CONTROL PACK & AC CHARGER

- Use only the Battery Control Pack & AC Charger supplied with this system; Do not use with other headlamps, including Headband LED Headlight
- Do not disassemble, modify or short circuit
- Do not leave in hot places, such as inside a car or outside in hot weather
- Do not allow to get wet

## Classification

- Protection against electric shock: Class II including AC/DC Adapter.
- Applied parts : No applied parts.
- Protection against harmful ingress of water: ordinary IPXO.
- Degree of safety in the presence of flammable anesthetics mixture with air or with oxygen or with nitrous oxide.
- Not suitable for use in the presence of a flammable anesthetics mixture with air or with oxygen or with nitrous oxide.

## Symbol

	Direct current
	Date of manufacture
	Alternating current
	CE mark
	Class II equipment
	Serial No
	Attention, consult accompanying documents

## Operating Condition

- Ambient temperature range 10 to 40 °C
- Relative humidity range 30 to 75%
- Atmospheric pressure range 70 to 106 kPa

## Transport and Storage Condition

- Ambient temperature range -40 to 70 °C
- Relative humidity range 10 to 100%
- Atmospheric pressure range 50 to 106 kPa

## Maintenance

Storing the LED system in a safe place will prolong the life of the unit. The following guidelines will help in sustaining the LED systems useful life:

- Forming the cable in sharp angles and kinks should be avoided whenever possible. The cable could malfunction under these conditions.
- Keep the optical face on the light unit from touching hard surfaces which may cause scratches on the surface. Scratches on the surface will diminish the light quality.
- When cuts or punctures are visible in the silicone tubing, the cable is no longer safe to use; it should be taken out of service immediately.

## Cleaning

- Do not use any abrasive cleaners
- Wipe equipment and cables with a damp cloth only
- Do not submerge or put under running water
- The LED system may use disinfectant with a cloth only, provided the equipment is disconnected from the battery charger
- The LED system can not be autoclaved
- Ensure equipment is completely dry and cool prior to use

### Additional cleaning actions for Eclipse LED Headlight System only

- Ensure motion sensor is completely clean prior to use
- Avoid using running water and disinfectant sprays on or near open slots located on backside of light unit. Carefully wiping with damp cloth is ok.

## Operation

- Charge Time (Battery Pack) = approximately 2-3 hours
- Maximum continuous operation at full load is approximately 7 hours
- Attach the LED light to loupes or glasses using an appropriate adapter
- Use the included garment clips to route the cable appropriately

- **Power switch (1):** Rotate to turn light off/on
- **Light intensity (1):** Adjust the position of the knob to adjust the light level
- **Rechargeable inlet (2):** Recharges the battery with the aid of an AC charger
- **Battery charge level indicator light (3):** GREEN = fully charged, RED = charging, FLASHING RED = error



### Eclipse LED Headlight Features

- **Battery pack battery power indicator light (4):** GREEN = 2- 6 hours, RED = less than 2 hours, FLASHING RED = less than 1 hour
- **Power switch (5):** Place hand in front of motion sensor to turn light on and repeat hand motion to turn off. Note: Battery pack must be powered on for this function to work.



### Note about light-cured composites

- Although it is not recommended to use this LED Light while working with light-cured composites, setting the light to a lower light intensity may allow you to work briefly with materials before hardening
- Using the appropriate COLOR FILTER (orange filter) is STRONGLY RECOMMENDED when using light-cured materials with the LED Light

### WARNING:

#### Battery Control Pack Belt Clip

- Improper use of the belt clip can lead to product damage. Refer to photos shown below for correct use.



#### Battery Control Pack Placement

- Positioning the battery pack incorrectly can lead to belt clip damage. Refer to the photos shown below for correct placement.

