ADVENTURE LIGHTS®

Trilobyte Helmet Light Gen4 ™
Programmable Beacon, 4 Output Colors

PRODUCT NUMBER: 02904

2.5oz (72g) w/ Battery

1.28" (3.25cm)
2.21" (5.6cm)
3.24" (8.2cm)

TECHNICAL SPECIFICATIONS

BATTERY SOURCE	One (1) AA Lithium (1.65Vdc) or AA Alkaline (1.5Vdc)
ATTACHMENT METHOD	3M Dual Lock (Installed on Base of Unit)
HOUSING COLORS AVAILABLE	Black and Tan
HOUSING MATERIAL	High Impact Lens with Shock Absorbing Polymer Base
HOUSING FINISH	Matte
DOME LENS MATERIAL	High Impact Polycarbonate (Textured)
OPERATING TEMPERATURE	-40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA
STORAGE TEMPERATURE	-40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA
ENVIRONMENTAL SEAL	Hermetically Sealed Unit with Removable Battery Cap
WATERPROOF RATING	Ip67
VISIBILITY RANGE	Up to 5km on High Intensity (Visual or Near IR) on a clear dark night (with no moon or contrasting backlighting)

Functions Diagram
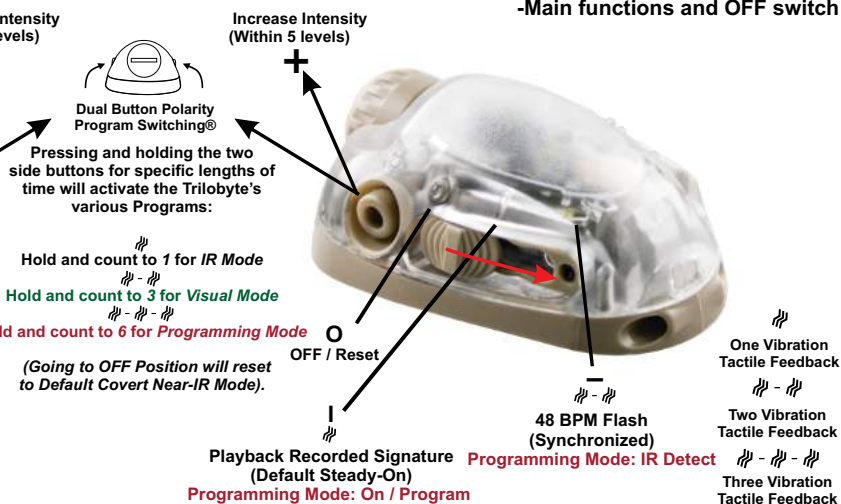
Left-side Positions

-Intensity controls on IR Mode
-Color Output selection on Visual Mode
-Playback Signature Settings
 On Programming Mode
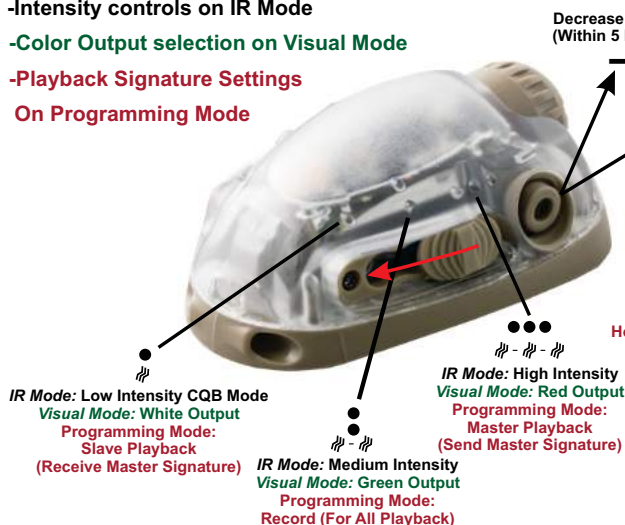
Right-Side Settings

O I –

-Main functions and OFF switch

Decrease Intensity
(Within 5 levels)
−

Increase Intensity
(Within 5 levels)
+

Dual Button Polarity Program Switching®

Pressing and holding the two side buttons for specific lengths of time will activate the Trilobyte's various Programs:

Hold and count to **1** for *IR Mode*
Hold and count to **3** for *Visual Mode*
Hold and count to **6** for *Programming Mode*

(Going to OFF Position will reset to Default Covert Near-IR Mode).

IR Mode: Low Intensity CQB Mode
Visual Mode: White Output
Programming Mode:
Slave Playback
(Receive Master Signature)

IR Mode: Medium Intensity
Visual Mode: Green Output
Programming Mode:
Record (For All Playback)

IR Mode: High Intensity
Visual Mode: Red Output
Programming Mode:
Master Playback
(Send Master Signature)

O
OFF / Reset

I
Playback Recorded Signature
(Default Steady-On)
Programming Mode: On / Program

–
48 BPM Flash
(Synchronized)
Programming Mode: IR Detect

One Vibration Tactile Feedback
Two Vibration Tactile Feedback
Three Vibration Tactile Feedback

IR Detect Function: Product will vibrate 5 times and flash in White for 5 seconds when exposed to a Near-IR Wavelength

Technology

Dual Button Polarity Program Switching®

Separates groups of functions that can be switched between by holding down the two side buttons for specified periods of time.

MultiVibe™ with Positive Tactile Feedback

Product has raised position indicators for easy tactile feedback with fingers in gloves. Product also has vibrating feedback for each position (vibrates once for position 1, twice for position 2, etc.)

Mockingbird® Technology

Allows users to record and playback their own unique flashing signatures with any external light source containing a near-IR wavelength, including sunlight.
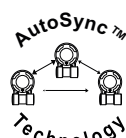
AutoSync™ With Master / Slave Group Syncing

Recorded flashing signatures can be transmitted to other beacons of the same model to create distinct groups of unique, synchronized signatures.

Accessories *(Sold Separately)*

Turtle Mount

MOLLE Pouch

Feature rich with ports to connect to our *Universal Mount™,* MOLLE compatibility for attaching to vests, backpacks, etc... cavities for securing with nails or screws and a quick release nub.

Our modular pouches with rear lash points, exterior and interior loop surfaces, inside pocket and a quick release strap can securely hold the Trilobyte™ and a spare battery, with leftover space if needed.

Compatible with Adventure Lights Merlin System

We manufacture all of our products in-house and our policy is to build strong working relationships with our clients to provide customized solutions that fit their specific needs. If there is a specific product configuration which matches your requirements do not hesitate to get in touch. We will be happy to assist.

Specifications subject to change without prior notice   **www.adventurelights.com DOC. ID:** P-PS-02904r2 January 2020

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