



# Trilobyte Helmet Light Gen5<sup>TM</sup>

## Programmable Beacon, 4 Output Colors with SWIR

2.5oz (72g) w/ Battery



**PRODUCT NUMBER: 02905**

## TECHNICAL SPECIFICATIONS

**BATTERY SOURCE**  
**ATTACHMENT METHOD**  
**HOUSING COLORS AVAILABLE**  
**HOUSING MATERIAL**  
**HOUSING FINISH**  
**DOMELENS MATERIAL**  
**OPERATING TEMPERATURE**

**STORAGE TEMPERATURE**

**ENVIRONMENTAL SEAL**  
**WATERPROOF RATING**  
**VISIBILITY RANGE**

One (1) AA Lithium (1.65Vdc) or AA Alkaline (1.5Vdc)  
 3M Dual Lock (Installed on Base of Unit)  
 Black and Tan  
 High Impact Lens with Shock Absorbing Polymer Base Matte  
 High Impact Polycarbonate (Textured)  
 -40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA  
 -40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA  
 Hermetically Sealed Unit with Removable Battery Cap Ip67  
 Up to 5km on High Intensity (Visual or Near IR) on a clear dark night (with no moon or contrasting backlighting)

## FEATURES

- A wide range of functions organized in a user friendly, intuitive system; designed for one-hand operation with index finger and thumb.
- Synchronized group flashing with AutoSync Technology
- Dual Button Polarity Program Switching® Separates IR, Visual and Programming modes.
- User programmable flashing signatures with no extra tools needed using Mockingbird® Technology
- Can send and receive programmed flashing signatures to other Trilobites of the same model, enabling individual groups of unique flashing signatures.
- Sophisticated IR Detect Mode accessible from the Trilobyte's Programming Mode function set.
- Raised position nubs for positive tactile feedback and sequential vibrating pulses to indicate position with MultiVibe Technology

## Functions Diagram

### Left-Side Positions

-Intensity controls on IR Mode

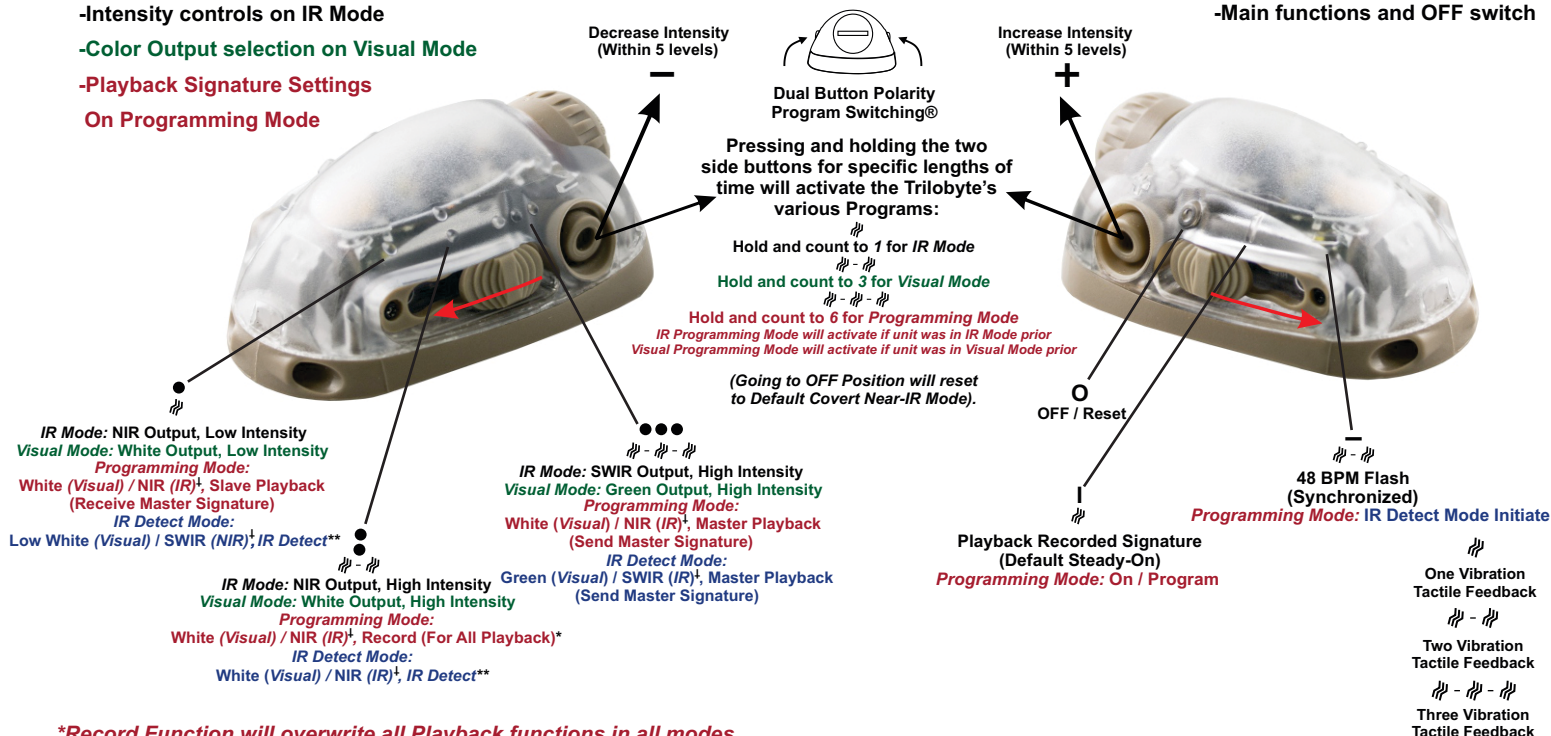
-Color Output selection on Visual Mode

-Playback Signature Settings

On Programming Mode

### Right-Side Settings

-Main functions and OFF switch



\*Record Function will overwrite all Playback functions in all modes

\*\*IR Detect Function: Product will vibrate 5 times and flash in position-specific wavelength for 5 seconds when exposed to a Near-IR Wavelength

†Output wavelength for functions in Programming Mode (and sub-set IR Detect Mode) are dependent on whether the Trilobyte is set to Visual (Overt) or IR (Covert) versions of Programming Mode. This is dependent on whether or not the Trilobyte was in IR or Visual Mode prior to Programming Mode activation.

Specifications subject to change without prior notice

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## Functions Table

### CHANGING MODES

Hold and count to 1 then release for **Near-IR Mode**

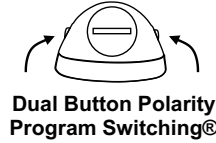
Hold and count to 3 then release for **Visual Mode**

Hold and count to 6 then release for **Programming Mode**

IR Programming Mode will activate if unit was in IR Mode prior

Visual Programming Mode will activate if unit was in Visual Mode prior

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



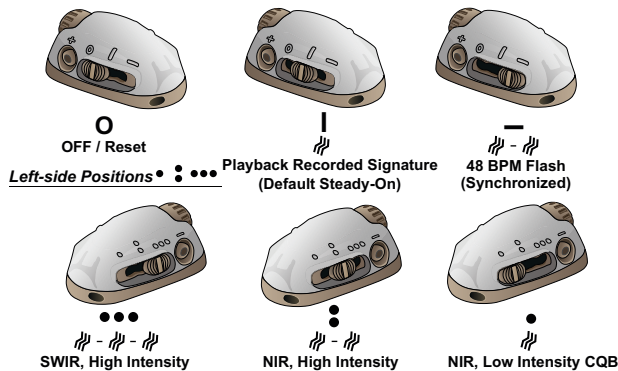
Pressing and holding the two side buttons for specific lengths of time will activate the Trilobyte's various Modes.

Each Mode contains its own set of functions that are toggled through the dual left-side and right-side control switches.

### Near-IR Mode Functions

(Hold down side buttons (+) and (-), count to 1 then release. Default Mode on activation)

Right-Side Settings 0 | -



### Visual Programming Mode Functions

(From Visual Mode, hold down side buttons (+) and (-), count to 6 then release)

Note: Record Function will overwrite all Playback functions in all modes



### IR Detect Mode (Visual Playback)

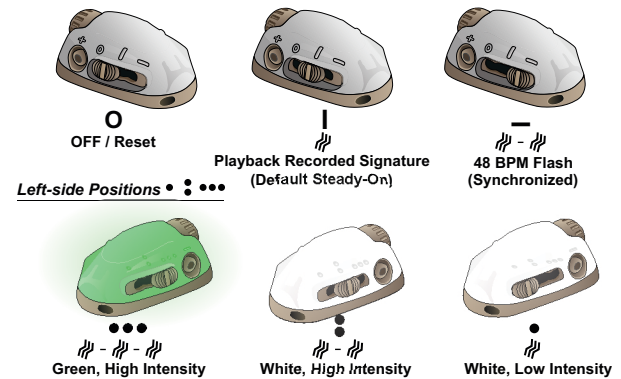
Initiated by moving Right-Side Control Switch to (-) setting on Visual Programming Mode



### Visual Mode Functions

(Hold down side buttons (+) and (-), count to 3 then release)

Right-Side Settings 0 | -



### NIR Programming Mode Functions

(From IR Mode, Hold down side buttons (+) and (-), count to 6 then release)

Note: Record Function will overwrite all Playback functions in all modes



### IR Detect Mode (Covert Playback)

Initiated by moving Right-Side Control Switch to (-) setting on NIR Programming Mode



## 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.

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