**2.5oz (72g) w/ Battery**

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

## PRODUCT NUMBER: 02905-CQB

## 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 Only |
| HOUSING MATERIAL HOUSING | High Impact Lens with Shock Absorbing Polymer Base |
| 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, DUST RATING | IP 68 - 100m / 330ft |
| VISIBILITY RANGE | Up to 5km on High Intensity 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 NIR, SWIR and Programming modes.

User programmable flashing signatures with no extra tools needed using Mockingbird® Technology

Can send and receive programmed flashing signatures to other Trilobytes 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

-SWIR wavelength (nm) selection on SWIR Mode

- P layback Signature Settings

On Programming Mode
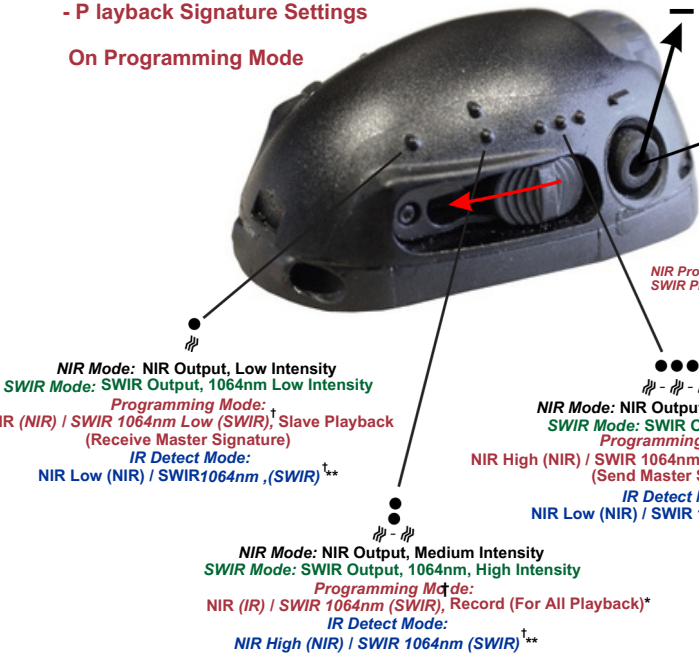
Decrease Intensity
(Within 5 levels)
−

**Dual Button Polarity Program Switching®**

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

Hold and count to *1* for *NIR Mode*

Hold and count to *3* for *SWIR Mode*

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

*NIR Programming Mode will activate if unit was in NIR Mode prior*
*SWIR Programming Mode will activate if unit was in SWIR Mode prior*

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

o I −
### _Right-Side Settings_

-Main functions and OFF switch

Increase Intensity
(Within 5 levels)
+

O
OFF / Reset

**_NIR Mode:_** NIR Output, Low Intensity
**_SWIR Mode:_** SWIR Output, 1064nm Low Intensity
**_Programming Mode:_**
NIR *(NIR)* / SWIR 1064nm Low (SWIR)[†], Slave Playback (Receive Master Signature)
**_IR Detect Mode:_**
NIR Low (NIR) / SWIR1064nm ,(SWIR)[†**]

●●●
**_NIR Mode:_** NIR Output, High Intensity
**_SWIR Mode:_** SWIR Output, 1550nm
**_Programming Mode:_**
NIR High (NIR) / SWIR 1064nm (SWIR)[†], Master Playback (Send Master Signature)
**_IR Detect Mode:_**
NIR Low (NIR) / SWIR 1550nm (SWIR)[†**]

**_NIR Mode:_** NIR Output, Medium Intensity
**_SWIR Mode:_** SWIR Output, 1064nm, High Intensity
**_Programming Mode:_**
NIR *(IR)* / SWIR 1064nm (SWIR), Record (For All Playback)*
**_IR Detect Mode:_**
NIR High (NIR) / SWIR 1064nm (SWIR)[†**]

I
**Playback Recorded Signature**
(Default Steady-On)
**_Programming Mode:_** On / Program

−
48 BPM Flash (Synchronized)
**_Programming Mode:_** IR Detect Mode Initiate

One Vibration Tactile Feedback

Two Vibration Tactile Feedback

Three Vibration Tactile Feedback

*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 Near-IR (NIR) or SWIR versions of Programming Mode. This is dependent on whether or not the Trilobyte was in IR or SWIR Mode prior to Programming Mode activation.*

Specifications subject to change without prior notice

**DOC. ID:** P-PS-02905-CQBr3 June 2021

# Functions Table

## CHANGING MODES

**Hold and count to *1* then release for *Near-IR Mode***
**Hold and count to *3* then release for *SWIR Mode***
**Hold and count to *6* then release for *Programming Mode***
*IR Programming Mode will activate if unit was in NIR Mode prior*
*SWIR Programming Mode will activate if unit was in SWIR Mode prior*
*(Going to OFF Setting will reset to Default Covert Near-IR Mode).*
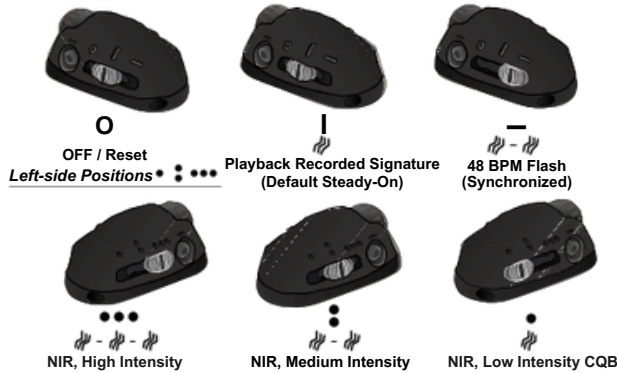
**Dual Button Polarity Program Switching®**

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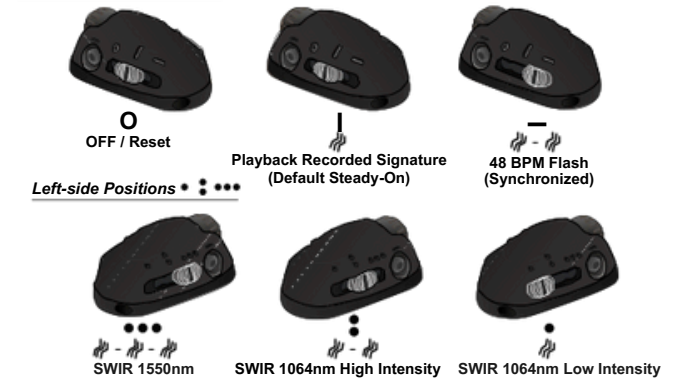*(Hold down side buttons (+) and (-), count to 1 then release. Default Mode on activation)*

*Right-Side Settings* o I —

**O**
**OFF / Reset**
*Left-side Positions*

**I**
**Playback Recorded Signature**
**(Default Steady-On)**

**—**
**48 BPM Flash**
**(Synchronized)**

**NIR, High Intensity**

**NIR, Medium Intensity**

**NIR, Low Intensity CQB**

## SWIR Mode Functions
*(Hold down side buttons (+) and (-), count to 3 then release)*

*Right-Side Settings* o I —

**O**
**OFF / Reset**
*Left-side Positions*

**I**
**Playback Recorded Signature**
**(Default Steady-On)**

**—**
**48 BPM Flash**
**(Synchronized)**

**SWIR 1550nm**

**SWIR 1064nm High Intensity**

**SWIR 1064nm Low Intensity**

## SWIR Programming Mode Functions
*(From SWIR Mode, hold down side buttons (+) and (-), count to 6 then release)*
*Note: Record Function will overwrite all Playback functions in all modes*

**M**
**SWIR 1064nm, Master Playback**
**(Send Master Signature)**

**R**
**SWIR 1064nm, Record**
**(Saved for all Playback)**

**S**
**SWIR 1064nm, Slave Playback**
**(Receive Master Signature)**

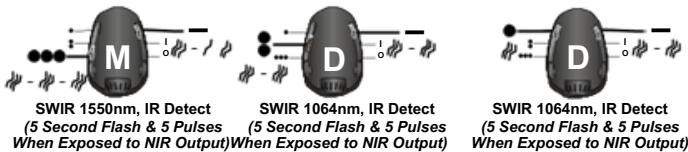## NIR Programming Mode Functions
*(From NIR Mode, Hold down side buttons (+) and (-), count to 6 then release)*
*Note: Record Function will overwrite all Playback functions in all modes*

**M**
**NIR, Master Playback**
**(Send Master Signature)**

**R**
**NIR, Record**
**(Saved for all Playback)**

**S**
**NIR, Slave Playback**
**(Receive Master Signature)**

## IR Detect Mode (SWIR Output)
*Initiated by moving Right-Side Control Switch to (-) setting on SWIR Programming Mode*

**M**
**SWIR 1550nm, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

**D**
**SWIR 1064nm, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

**D**
**SWIR 1064nm, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

## IR Detect Mode (NIR Output)
*Initiated by moving Right-Side Control Switch to (-) setting on NIR Programming Mode*

**M**
**NIR High, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

**D**
**NIR Medium, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

**D**
**NIR Low, IR Detect**
*(5 Second Flash & 5 Pulses When Exposed to NIR Output)*

# Accessories *(Sold Separately)*

**Turtle Mount**
Part Number: *M0492-15-BK (Black)*
*(M0492-15 for Tan)*

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.

**MOLLE Pouch**
Part Number: *99002-2 (Black)*
*(99002 for Tan; 99002-1 for Green)*

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.

Specifications subject to change without prior notice