# HEL-STAR 6®

## Helmet-Mounted Light (Multi-Function)



# GEN III+

**HEL-STAR 6® Gen III+** is the latest in the series of HEL-STAR 6® marker lights designed specifically for helmet-mounting for airborne, MFF, and ground tactical operations. Gen III+ has all of the features of the Gen III in an updated, streamlined package. Available in tan or black.

HEL-STAR 6® continues to provide four user-defined functions in two selectable operating modes in a combination of white, green, blue, red, and IR, each in either steady, flashing or IFF coded operation.

Field reprogramming option is available upon request. Requires the purchase of a Programming Interface Module (PIM).

## HEL-STAR 6® Gen III+ Advantages

- **Safety -** The unique battery access design provides a curved profile on all sides, minimizing snag hazard. Velcro® attachment provides emergency peel-away from helmet to reduce potential for snag-related injury.

- **Versatility -** Up to four user-defined functions are available in a range of visible colors and IR signals, either flashing, coded or steady.

- **Visibility -** Omni-directional. Intensities can be scaled up or down for special requirements. White flash exceeds FAA 3-statute mile requirements.

- **Simple, Secure Operation -** Switches are designed for positive operation by a gloved-hand, in the blind, with the helmet donned. Mode selection switch design options provide operational flexibility or strong security between overt and covert operating modes.

- **Operating Extremes -** HEL-STAR 6® is shock and vibration resistant, dustproof and open sea waterproof to 130 fsw (laboratory 300+ feet).

- **Status Confirmation -** Switch design provides visual and tactile confirmation of ON/OFF and operating status with no guesswork; visual confirmation prevents inadvertent battery discharge in the IR operating mode.

- **Easy Battery Replacement -** The single CR123 cell can be replaced in the field, quickly, without special tools.

- **Field Reprogramming -** Color, flash rate, and light intensity can be reprogrammed with a wireless handheld device (PIM). A default feature returns the unit back to original factory settings.



*Made in the USA*



**U.S. Patent 8,534,861**

# HEL-STAR 6® Gen III+

**MODEL/PART NUMBER OPTIONS**



Model 620-Series Rotating Switch Plug

Model 640-Series Sliding Switch

**Main Switch: 0=Off, Functions 1 & 2 · Nose Switch/Plug: ▲=Mode A, ▼=Mode B**

| Model | CORE P/N | Name NSN | Mode A Functions | | Mode B Functions | |
|---|---|---|---|---|---|---|
| | | | A1 | A2 | B1 | B2 |
| HS-620 | HS-620-01 | 6230-01-674-2822 | GR (Steady/Dim) | GR (Steady/Dim) + WH (FL) | IR (FL/Dim) | IR (FL/Bright) |
| | HS-620-02 | | GR (Steady) | GR (Steady) + WH (FL) | IR (FL) | IR (FL/Bright) |
| | HS-620-03 | | GR (Steady/Dim) | GR (Steady/Dim) +WH(FL) | IR (FL/Dim) | IR (FL/Bright+) |
| | HS-620-04 | | WH (FL) | GR (Steady) | IR (FL) | IR (FL/Bright) |
| | HS-620-06 | | IR (Steady/Dim) | WH (FL) | IR (Steady/Dim) | IR (FL/Bright+) |
| HS-640 | HS-640-01 | 6210-01-621-4819 | GR (Steady) | GR (Steady) + WH (FL) | IR (FL) | IR (FL/Bright) |
| | HS-640-02 | 6210-01-627-4127 | GR (Steady) | GR (Steady) + WH (FL) | BL (Steady) | BL (Steady) + WH (FL) |
| | HS-640-03 | 6210-01-675-4435 | GR (Steady) | GR (Steady) + WH (FL) | IR (FL) | IR (Steady) |
| | HS-640-04 | 6210-01-658-8629 | GR (Steady) | RD (Steady) | IR (FL) | IR (Steady) |
| | HS-640-05 | | GR (Steady) | GR (Steady)+ WH (FL) | RD (Steady/Dim) | IR (FL) |
| | HS-640-07 | 6210-01-651-3046 | GR (Steady) | GR (Steady) + WH (FL) | IR (FL/Dim) | IR (FL/Bright+) |
| | HS-640-08 | 5850-01-648-0673 | WH (FL) | GR (Steady) | IR (FL) | IR (Steady) |
| | HS-640-09 | **Rescue Model** | GR (Steady) | GR(Steady)+WH(FL/B+) | IR (FL) | IR (FL/Bright) |
| | HS-640-10 | 6210-01-630-6231 | GR (Steady) | GR (Steady) + WH (FL) | RD (Steady) | RD (Steady) + WH (FL) |
| | HS-640-11 | | GR (FL) | GR (Steady) + WH (FL) | IR (FL) | IR (Steady) |
| | HS-640-12 | **LE Model** | GR (Steady) | GR (Steady) + WH (FL) | RD (FL) | Blue (FL) |
| | HS-640-14 | **Fire/Rescue** | GR (Steady) | GR (Steady) +WH(FL/B+) | BL (Steady) | BL(Steady)+WH(FL/B+) |
| | HS-640-16 | | GR (Steady/Dim) | GR (Steady/Dim) + WH (FL) | IR (FL/Dim) | IR (FL/Bright) |
| | HS-640-17 | | RD (Steady) | RD (Steady) + WH (FL) | BL (Steady) | BL(Steady)+WH(FL) |
| | HS-640-18 | | GR (Steady) | GR (Steady) + WH (FL) | IR (Steady/Dim) | IR (FL/Bright+) |
| | HS-640-25 | | GR (Steady/Bright) | RD (Steady/Bright) | IR (FL/Dim) | IR (FL/Bright+) |
| | HS-640-56P | **LE Tactical** | GR (Flash) | RD (Flash) | IR (FL/Dim) | IR (Steady) |
| | HS-640-66P | | RD (Steady) | BL (Steady) | GR (Steady) | WH (FL) |
| | HS-640-69P | | GR (Flash) | GR (Steady) + WH (FL) | IR (Steady/Dim) | IR (Steady) |
| | HS-640-70P | | GR (Steady) | GR (Flash) | IR (Steady) | IR (FL) |
| | HS-640-77P | **LE** | RD (Steady/Dim) | WH (FL/B+) | IR (Steady/Dim) | IR (FL/B) |
| | HS-640-78P | | RD (Steady) | RD (Steady) + WH (FL) | IR (Steady/Dim) | IR (Steady) |

**Standard Body Color is in Tan. Add "B" to end of the P/N for a Black Body.**

## Operating Options

| Color Code | | Signal Type | Signal Intensity |
|---|---|---|---|
| BL = Blue | RD = Red | S = Steady | Dim, Standard, Bright, Bright+ |
| GR = Green | WH = White | F = Flash (60 fpm) FN = NATO Flash (30 fpm) | All White Flash are "Bright" to meet FAA 3 statute mile visibility. "Bright+" is significantly brighter than "Bright" * Higher intensities shorten battery life |
| IR = NIR Infrared | SWIR = Short Wave Infrared | Morse Code Letters A, D, K, V, Z, SOS | |
| P= Tactical Field Reprogramming with a PIM | | C = Civilian Field Reprogramming with a PIM | **All units have an integrated tie down** |