

HEL-STAR 6®

Helmet-Mounted Light (Multi-Function)



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.



U.S. Patent 8,534,861



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HEL-STAR 6® Gen III+

MODEL/PART NUMBER OPTIONS



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		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		GR (Steady)	GR (Steady) + WH (FL)	IR (FL)	IR (Steady)
	HS-640-04		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-640-15		GR (Steady)	GR (Steady) + WH (FL)	BL (Steady)	RD (Steady) + WH (FL)
	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-640-28		GR (Steady)	GR (Steady) + WH (FL)	IR (FL/Dim)	IR (Steady)
	HS-640-33P	Ski Patrol	RD (FL/Bright+)	RD (Steady)	WH (FL/B+)	RD (FL/B+) + WH (FL/B+)
	HS-640-36C	Civilian Program	WH (FL)	GR (Steady)	RD (FL)	BL (Steady)
HS-640-56P	LE Tactical	GR (Flash)	RD (Flash)	IR (Flash/Dim)	IR (Steady)	
HS-640-69P		GR (Flash)	GR (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 WH = White	S = Steady	Dim, Standard, Bright, Bright+
GR = Green	WH = White	F = Flash (60 fpm) FN = NATO Flash (30 fpm)	"Bright+" is significantly brighter than "Bright" All White Flash are "Bright" to meet FAA 3 statute mile visibility. * 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

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Certain models with restricted IR are controlled and cannot be shipped or carried outside of the U.S. without written permission from U.S. Commerce.