

# CEJAY ENGINEERING 2023





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# COMBAT IDENTIFICATION

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## PHOENIX BEACONS

**Phoenix Jr.™** is an extremely rugged and low cost marker beacon. The Phoenix Jr. Infrared (Firefly) beacon was principally designed as an individual Combat Identification Marker employed to minimize fratricide. Since its introduction in 1984, the Phoenix Jr. is the most widely used electronic Combat ID system in the world.

**Phoenix Jr.™ 123** has the same brightness and flash pattern as the Phoenix Jr.™ (above) but has been equipped with a locking spring clip for easy attachment to belts, straps, clothing and equipment. Designed to use a CR123 Battery, the Jr. 123 is 50% smaller and lighter than the 9 volt powered Phoenix Jr. When not in use, the CR123 battery can be stored within the unit by installing the battery upside-down. Available in Black, Green or Sand color.



902111IR—Phoenix Jr.™ Infrared Beacon IR-14 (NSN: 5855-01-438-4588)

902111NV—Phoenix Jr.™ NV Green Training Beacon IR-14V

902111R—Phoenix Jr.™ Red Training Model



902124IR—Phoenix™ Jr. 123 IR (NSN: 5854-01-618-0390) Green

902124IRB—Phoenix™ Jr. 123 IR Black

902124IRS—Phoenix™ Jr. 123 IR Sand

902124NV—Phoenix™ Jr. 123 NV Green Training Beacon Green

902124NVB—Phoenix™ Jr. 123 NV Green Training Model Black

902124NVS—Phoenix™ Jr. 123 NV Green Training Model Sand

902124R—Phoenix Jr.™ 123 Red Training Model Green

902124RB—Phoenix™ Jr. 123 Red Training Model Black

902124RS—Phoenix™ Jr. 123 Red Training Model Sand





# COMBAT IDENTIFICATION

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**The Phoenix™ Jr. 123 Flex Mount** provides a simple, and effective, way of attaching the Phoenix™ Jr. 123 signaling beacon to helmets, uniforms, packs or other objects with its included Hook and Loop peel and stick backing. Made of flexible rubber, the Phoenix™ Jr. 123 Flex Mount can be flexed to fit a variety of surfaces. Shown with Phoenix™ Jr. 123 Signaling Beacon

**The Phoenix™ Jr. 123 Beacon and Flex Mount Kit** offers both a Phoenix™ Jr. 123 and matching mount in one kit. Allowing the beacon to be mounted to helmets, uniforms, packs or other objects either by spring locking clip or flexible Velcro mount.



902125—Phoenix™ Jr. 123 Flex Mount Green

902125B—Phoenix™ Jr. 123 Flex Mount Black

902125S—Phoenix™ Jr. 123 Flex Mount Sand



902126IR—Phoenix™ Jr. 123 Infrared Beacon and Flex Mount Green

902126IRB—Phoenix™ Jr. 123 Infrared Beacon and Flex Mount Black

902126IRS—Phoenix™ Jr. 123 Infrared Beacon and Flex Mount Sand



# COMBAT IDENTIFICATION

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**Phoenix™ 1.5 (NSN: 5855-01-396-8734)** is a programmable infrared signaling beacon designed for use as a personnel or vehicle marker during night operations. The operator programs a six second user defined flash pattern via the two programming pins. The stored program is easily erased by removing and reattaching the battery

**Phoenix™ 2.5** is a programmable signaling beacon that has the ability to store two user defined six second encoded signals. The first signal code is entered using the Phoenix 2.5 Program Controller (NSN:5855-01-452-0079). The second code is installed as needed by the user in the field.

**The Phoenix™ 2.5 Program Controller (NSN: 5855-01-452-0079)** is designed to support the command coding of one or more Phoenix 2.5 Beacons (NSN: 5855-01-452-9877) with speed and precision. Simple to operate, the user attaches a Phoenix 2.5 Beacon to the Phoenix 2.5 Program Controller and inputs the beacon signal code .

Phoenix 2.5 Program Controller is the ideal way to accurately preprogram the Phoenix 2.5 prior to mission.

902212IR—Phoenix™ 1.5 IR-15 (NSN: 5855-01-396-8734)

902212G—Phoenix™ 1.5 IR-15V NV Green Training Model (NSN: 5855-01-396-8734)

902212R—Phoenix™ 1.5 Red Training Model



902311IR—Phoenix™ 2.5 Infrared IR-25 (NSN: 5855-01-451-9877)

902311NV—Phoenix™ 2.5 NV Green Training Model IR-25V

902311R—Phoenix™ 2.5 Red Training Model



902411—Phoenix™ 2.5 Program Controller (NSN: 5855-01-452-0079)



# COMBAT IDENTIFICATION

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**Poseidon™ Clip Mount** provides both a watertight and durable mounting system for the complete Phoenix and Pegasus series of 9-volt beacons. The mounting clip can be attached to PALS webbing, belts, or a uniform by using the supplied locking spring clips or can be secured with bolts to rigid surfaces such as vehicles. The beacon is attached to the battery and placed within the Poseidon Clip Mount. The clear top cover is placed over the beacon and secured using the dual locking flanges forming a watertight seal. The clear top cover allows for 360 degree visibility of the beacon. An included shield cap can be snapped in place over the top cover to focus the signal emission to front and top only, giving the operator the choice of directing the signal emission.

902801B—Poseidon™- Phoenix / Pegasus Clip Mount Black

902801G—Poseidon™ - Phoenix / Pegasus Clip Mount OD Green

902801S—Poseidon™- Phoenix / Pegasus Clip Mount Sand (NSN: 5340-01-598-4800)



# COMBAT IDENTIFICATION

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## PEGASUS BEACONS

**Pegasus™ 2** (NSN: 5855-01-587-4822) has three user-selectable six second flash patterns; the first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588), the second code pattern is a International Morse Code signal (S—O—S) and the third is installed as needed by the user in the field.

The operator can easily switch between each of the encoded flash pattern via the programming pins. All codes are stored in a nonvolatile memory allowing the battery to be removed from the beacon without erasing any of the entered codes.

**Pegasus™ 2AA** (NSN: 5855-01-618-0405) is a programmable infrared signaling beacon powered by 2 Common AA batteries. Constructed from high impact plastics, the Pegasus 2AA has been engineered to withstand harsh environments and chemical exposure. This tremendous strength coupled with a watertight design make the Pegasus 2AA superbly suited for water to land deployment and special operations applications.

The Pegasus 2AA has three user-selectable flash patterns; the first code pattern is a fixed flash rate code identical to the Phoenix Jr., the second code pattern is the International Morse Code signal (S—O—S) and the third is installed as needed by the user in the field. A locking spring clip can be attached to the back of the beacon allowing the Pegasus™ 2AA to be fitted to MOLE webbing

902215IR—Pegasus™ 2 (NSN: 5855-01-587-4822)

902215NV—Pegasus™ 2 NV Green Training Model

902215R—Pegasus™ 2 Red Training Model



902218IR—Pegasus™ 2AA IR (NSN: 5855-01-618-0405)

902218NV—Pegasus™ 2AA NV Green Training Model (NSN: 5855-01-618-0394)

902218R—Pegasus™ 2AA Red Training Model





# COMBAT IDENTIFICATION

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**Pegasus™ 7** is a synchronized signaling beacon developed specifically for high risk missions where rapid identification of marked assets is critical. The Pegasus 7 has the ability to synchronize several beacons so they flash in unison.

With several beacons deployed, synchronized flash patterns are recognized by operators and commanders in less than half the time as traditionally coded beacons. Faster squad recognition along with a dramatically reduced incidence of confusion with small arms fire extends this beacons capabilities well beyond that of traditional programmable beacons.

The Pegasus 7 has the capability to store two user-selectable flash patterns in memory. The first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588). The second code pattern is user programmed.

902413IR—Pegasus™ 7 Synchro Infrared Beacon  
IR-35 (NSN: 5855-01-540-1898)

902413NV—Pegasus™ 7 Synchro NV Green  
Training Model IR-35 V

902413R—Pegasus™ 7 Synchro Red Training  
Model

902413IR3—Pegasus™ 7 Synchro Infrared Beacon  
3 Pack IR-35 P3 (NSN: 5855-01-540-1890)

902413NV3—Pegasus™ 7 Synchro NV Green  
Beacon 3 Pack IR-35 VP3 (NSN: 5855-01-540-  
1913)

902413R3—Pegasus™ 7 Synchro NV Green Beacon  
3 Pack IR-35 VP3 (NSN: 5855-01-540-1913)

902413IR15—Pegasus™ 7 Synchro Infrared Beacon  
15 Pack IR-35 K15 (NSN: 5855-01-540-1878)

902413NV15—Pegasus™ 7 Synchro Infrared Beacon  
15 Pack IR-35 K15 (NSN: 5855-01-540-  
1878)

902413IR15—Pegasus™ 7 Synchro Infrared Beacon  
15 Pack IR-35 K15 (NSN: 5855-01-540-1878)

902415IRS—Pegasus™ 7 Personal Beacon Kit  
(NSN: 5855-01-598-4801)





# COMBAT IDENTIFICATION

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**Pegasus™ 7.1AA** (NSN: 5855-01-620-1938) is a synchronized infrared signaling beacon developed specifically for high risk missions where rapid identification of marked assets is critical. The Pegasus 7 enhances other beacons flash pattern coding by providing the ability to synchronize several beacons so they flash in unison.

With several beacons deployed, synchronized flash patterns are recognized by operators and commanders in less than half the time as traditionally coded beacons. Faster squad recognition along with a dramatically reduced incidence of confusion with small arms fire extends this beacons capabilities well beyond that of traditional programmable beacons.

The Pegasus 7.1AA has the capability to store two user-selectable flash patterns in memory. The first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588). The second code pattern is user programmed. The Pegasus 7.1AA has been equipped with a spring clip for easy attachment to belts, straps, clothing and equipment

**Pegasus™ 7.1AA Flex Mount** provides a simple, and effective, way of attaching the Pegasus™ 7.1AA Signaling Beacon to helmets, uniforms, packs or other objects with its included Hook and Loop peel and stick backing. Made of flexible rubber, the Pegasus™ 7.1AA Flex Mount can be flexed to fit a variety of surfaces.

902416IR—Pegasus™ 7.1AA IR (NSN: 5855-01-620-1938)

902416NV—Pegasus™ 7.1AA NV Green Training Model

902416R—Pegasus™ 7.1AA Red Training Model

902910—Pegasus™ 7.1AA Switch Cap

902911—Pegasus™ 7.1AA Replacement Cover



902417 —Pegasus™ 7.1AA Flex Mount

902418—Pegasus™ 7.1AA IR and 7.1AA Flex Mount

# COMBAT IDENTIFICATION

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Pegasus™ 7.1AA Multi-Purpose is a synchronized Near-Infrared, Short Wave Infrared (SWIR), Visible signaling beacon (depending on configuration) developed specifically for high risk missions where rapid identification of marked assets over several hours of operation is critical.

The Pegasus™ 7.1AA Multi-Purpose is factory configured to deliver Near IR and SWIR signaling, SWIR and Visible Signaling or Near IR and Visible signaling modes. Modes are easily selected by a single recessed push button on the top of the beacon. Signal output can be further tailored to mission by the beacons brightness control allowing the signal to be dimmed for discreet identification in close quarters or minimize long range detection by night vision equipped unfriendly forces.

The Pegasus™ 7.1AA Multi-Purpose enhances other beacons flash pattern coding by providing the ability to synchronize several beacons so they flash in unison.

With several beacons deployed, synchronized flash patterns are recognized by operators and commanders in less than half the time as traditionally coded beacons. Faster squad recognition along with a dramatically reduced incidence of confusion with small arms fire extends this beacons capabilities well beyond that of traditional programmable beacons. No special programming equipment is needed to program and synchronize the beacons. Additionally no communication between the beacons is needed to maintain synchronization during operation making the Pegasus™ 7.1AA Multi-Purpose both NATO EMCON- Emission Control and CSCM- Counter Surveillance Counter Measures compliant.

The Pegasus 7.1AA Multi-Purpose has the capability to store two user-selectable flash patterns in memory. The first code pattern is a fixed flash rate code. The second code pattern is user programmed. The operator can easily switch between each of the encoded flash patterns or a standby mode via the beacons program button. The beacons non-volatile memory allows the battery to be removed from the beacon without erasing any of the entered codes. The Pegasus™ 7.1AA Multi-Purpose has been equipped with a spring clip for easy attachment to belts, straps, clothing and equipment. A flexible mount is also included providing a simple, and effective, way of attaching the Pegasus 7.1AA Multi-Purpose to helmets, uniforms, packs or other objects with its included Hook and Loop peel and stick backing.



# COMBAT IDENTIFICATION

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Paris™ 2 (NSN: 6230-01-575-9896) has been developed as a more durable version of the traditional MS-2000M Distress Marker Light. Constructed from a solid billet of aircraft aluminum, the Paris cylinder walls are more than 2.5mm thick making the beacon virtually crush proof.

The beacons signal is turned ON or OFF simply by rotating the bezel. Once switched ON the beacon immediately begins emitting a fixed flash rate IR signal identical to that of the Phoenix Jr. (NSN: 5855-01-438-4588). When activated, miniature indicator lights within the device will temporarily flash allowing the operator to visually confirm that the beacon is operating correctly in situations where their own night vision equipment has become lost or damaged.

Once ON, the operator can then switch to broadcasting a visible Blue strobe pattern via the units single watertight push button switch located at the top of the beacon. If the unit is turned OFF and then back ON, the unit will default to its IR signal mode negating the risk of inadvertently transmitting a visible signal where concealed operation is critical.

The Paris beacon also features an integrated shroud. With the shroud extended, the beacons signal can be focused in a specific direction limiting unwanted emissions during operation. The beacon's watertight design and 300+ hours continuous operation from its two CR123A batteries power supply make the Paris superbly suited as a distress marker light in the most hostile environments. Paris includes a 550 paracord retention lanyard.

902823IRB – Paris™ 2 (NSN: 6230-01-575-9896)



# COMBAT IDENTIFICATION

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**JR.™ AA/123** is an extremely rugged and low cost helmet mounted Infrared Combat Identification Beacon. The operator has the choice of powering with either a CR123 or AA battery to minimize the number of different batteries carried during operations.

The Phoenix JR.™ AA/ 123 has both Constant ON and Flashing modes, allowing the user to select the type marking needed based on mission.

The Beacon is available in OD Green, Tactical Black or Desert Sand finish. The flexible mount and tail cap assembly are available as accessories if either is damaged or lost during operations.

The Velcro backed Flexible mount and Tail Cap include attachment points for additional securing if needed during operations

902127IRB—Phoenix™ Jr. AA/123 IR - Black

902127IRG—Phoenix™ Jr. AA/123 IR - Green

902127IRS—Phoenix™ Jr. AA/123 IR - Sand (*Pictured*)

902128B—Replacement Phoenix™ Jr. AA/123 Mount-Black

902128G—Replacement Phoenix™ Jr. AA/123 Mount-Green

902128S—Replacement Phoenix™ Jr. AA/123 Mount-Sand

902129B—Replacement Phoenix™ Jr. AA/123 Tail Cap and Insert-Black

902129G—Replacement Phoenix™ Jr. AA/123 Tail Cap and Insert-Green

902129S—Replacement Phoenix™ Jr. AA/123 Tail Cap and Insert-Sand





# COMBAT IDENTIFICATION

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Developed from the Cejay Pegasus -9™ beacon, the **Mercury-9™** provides both visible and infrared marking at two different power levels. Powered by a single AA Alkaline, Lithium or Rechargeable battery, the Mercury-9™ is available in an Infrared and White version (902920IRW) or Infrared and Green version (902920IRG).

Signal operation is controlled by two large side mounted three-position slide switches that can easily be operated by gloved hands. The Mercury-9 also includes a low power indicator alerting the user when it is time to replace the battery.

The Mercury-9™ includes an integrated locking clip for positive attachment to PALS webbing or belts. A Flex Mount is included for attaching the Mercury-9™ to helmets or flat surfaces with included Hook and Loop Velcro. Mercury-9™ high impact plastic housing and sealed electronics are engineered to withstand harsh environments as well as chemical exposure. AA Batteries are easier to source when deployed than the CR123 making the Mercury-9™'s through life cost less expensive than comparable CR123 powered beacons.

9902920IRW— Mercury-9™ Multi-Purpose Beacon (Infrared and White)

9902920IRG— Mercury-9™ Multi-Purpose Beacon (Infrared and Green)





# COMBAT IDENTIFICATION

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The **Thor™ Patrol Light** is used to covertly identify vehicles in Military and Security CONVOYS thru the use of a flashing Infrared Marking Beacon. With the increased number of vehicles in the combat arena, there is an increased need for Identify Friend or Foe (IFF) signaling devices. The Patrol Light provides a visible or Infrared IFF Infrared Marking Beacon that can be permanently affixed/mounted to any vehicle.

When operating in a CONVOY of vehicles with each vehicle clearly identified via IR beacons – they can easily track each other. Aerial assets can maintain a constant visual by placing the aircraft tracking system on Automatic, once the ground vehicle has been locked on – the IR beacon becomes the objective of the auto-tracker keeping it's movements always on the screen.

The Thor Patrol Light provides a flashing IR signature that is visible out to a distance of several miles reducing the risk of Blue on Blue situations when operating in Combat or Contested areas. The Thor Patrol Light is completely waterproof and can be permanently affixed to the exterior roof or side of the vehicle via a set of screws or epoxy for greatest angle and longest range of visibility. Thor is also available in a Constant ON version and in a variety visible colors for non-covert marking.

The Patrol Light has been engineered to be connected directly to the vehicle's power source. The Thor beacon has built-in protection to +/- 60 volts to prevent damage to the Patrol Light from vehicle power surges that occur during starting or when other auxiliary equipment is connected to the vehicle power. The beacon can also be powered by any other DC source ranging from 10 to 30 volts.

903404A—Thor™ Patrol Light—Flashing Amber

903404B—Thor™ Patrol Light—Flashing Blue

903404G—Thor™ Patrol Light—Flashing Green

903404IR—Thor™ Patrol Light—Flashing IR

903404R—Thor™ Patrol Light—Flashing Red

903404W—Thor™ Patrol Light—Flashing White

903405A—Thor™ Patrol Light—Constant ON Amber

903405B—Thor™ Patrol Light—Constant ON Blue

903405G—Thor™ Patrol Light—Constant ON Green

903405IR—Thor™ Patrol Light—Constant ON IR

903405R—Thor™ Patrol Light—Constant ON Red

903405W—Thor™ Patrol Light—Constant ON White



# COMBAT IDENTIFICATION

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The **Neptune™** multi-purpose beacon is a multi function signal light developed to provide the soldier with several ID and illumination tools in one compact package. The Neptune light produces a wide, variable-output, flashing or constant on, visible or infrared signal. In flashing IR mode, the intense brightness of the Neptune's signal allows it to be used as either an individual or vehicle Combat ID marker. In visible signal mode, the beacon can be used as either a land or water distress signal. The Neptune is available in two different configurations; Blue, Infrared and White (902900), or Red, Infrared and White (902901)

The Neptune high impact plastic housing and sealed electronics are engineered to withstand harsh environments and chemical exposure. Powered by one CR123A, the Neptune is lightweight, rugged, versatile and submersible to 150 feet making the beacon superbly suited for water to land deployment and special operations applications.

Despite its small size, all Neptune functions can be controlled with one hand even when gloved. The Neptune's signal is turned ON or OFF simply by rotating the battery cap. The single mode selection button allows the user to select light color and move between flashing or constant on signal mode. Brightness level can also be adjusted in constant on mode, making the light useful as either a signaling device or lamp.

The Neptune can be attached to PALS webbing, belts, or uniform or wrist mounted with the included wrist strap. Locking Spring Clip included.

902900 – Neptune™ Multi-Purpose Beacon (Blue, Infrared and White)  
(NSN: 6230-01-618-0393)

902901 – Neptune™ Multi-Purpose Beacon (Red, Infrared and White)  
(NSN: 6230-01--643-3127)



# COMBAT IDENTIFICATION

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# COMBAT IDENTIFICATION

## VELUX.— SHORT WAVE INFRARED (SWIR) — COMBAT IDENTIFICATION EVOLUTION

Today's operators would ideally like to have the portability, ease of use, effective range and reliability of today's Phoenix beacon series marking platform coupled with the security of knowing that opposing forces can not view the marked positions and personnel.

Cejay Engineering's Velux Short Wave Infrared (SWIR) solution provides the portability, battery life, size, weight and ease of use of the Phoenix beacon series with the security of a marking signature that can not be seen with conventional 880nm NVE. The Velux series of programmable beacons range in output frequency from 950nm to 1550nm. This output frequency has been tailored to coincide with the newest 950nm range military only NVE equipment being developed as well as some airborne platforms that can view IR in this range.

The Velux product suite was first developed and deployed to the intelligence community in the late 90's where it was a resounding success. The product suite has been reengineered around a more cost effective package ideally suited for military deployment. The Velux beacon series can be deployed selectively by operation or mission thus providing an additional level of security for operational personnel.



# COMBAT IDENTIFICATION

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**Velux™ 1** is a programmable Short Wave Infrared (SWIR) signaling beacon designed for use during low light operations. Engineered as a beacon platform with the ability to broadcast 950nm to 1550nm, the Velux beacon series includes several encoding options.

The Velux 1 has three user-selectable six second flash patterns; the first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588), the second code pattern is a International Morse Code signal (S – O – S) and the third is installed as needed by the user in the field.

**Velux™ 2** is a Short Wave Infrared (SWIR) signaling beacon developed specifically to emit a flash pattern signal that can be synchronized with other Velux 2 beacons so they flash in unison.

With several beacons deployed, synchronized flash patterns are recognized by operators and commanders in less than half the time as traditionally coded beacons. Faster squad recognition along with a dramatically reduced incidence of confusion with small arms fire extends this beacons capabilities well beyond that of traditional programmable beacons.

The Velux 2 has the capability to store two user-selectable flash patterns in memory. The first code pattern is a fixed flash rate code identical to the Phoenix Jr. (NSN: 5855-01-438-4588). The second code pattern is user programmed.

902520IR950—Velux 1 IR 950nm  
902520IR1050—Velux 1 IR 1050nm  
902520IR1200—Velux 1 IR 1200nm  
902520IR1300—Velux 1 IR 1300nm  
902520IR1450—Velux 1 IR 1450nm  
902520IR1550—Velux 1 IR 1550nm  
902520R—Velux 1 Red Training Model



902530IR950—Velux 2 IR 950nm  
902530IR1050—Velux 2 IR 1050nm  
902530IR1200—Velux 2 IR 1200nm  
902530IR1300—Velux 2 IR 1300nm  
902530IR1450—Velux 2 IR 1450nm  
902530IR1550—Velux 2 IR 1550nm  
902530R—Velux 2 Red Training Model





# COMBAT IDENTIFICATION

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# COMBAT IDENTIFICATION

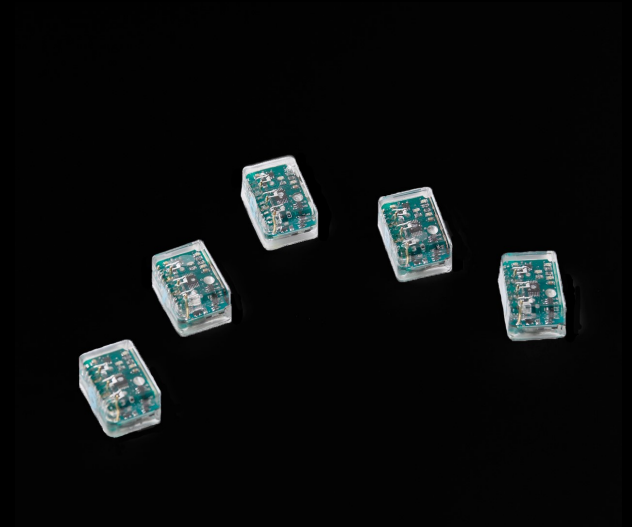
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Cejay Engineering has developed a simple, low cost tool for evaluating Short Wave Infrared (SWIR) beacons as alternative signaling devices on the battlefield.

Like all Near-IR, and Far-IR viewing equipment, the viewable range of SWIR cameras is dependent on environmental conditions and the type of viewing equipment being used. This sample set consists of one SWIR transmitter in each of the following frequencies 1050nm, 1200nm, 1300nm, 1450nm, and 1550nm allowing the user to determine which frequency is the optimal broadcast frequency for their equipment and operational situation.

Once optimal broadcast frequency is determined, Cejay Engineering can configure almost any of our current Near-IR beacons to SWIR frequency or you may select from our existing line of Velux SWIR configurations.

902550—Phoenix Jr.™ SWIR Transmitter Sample Set



# COMBAT IDENTIFICATION

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**Velux™ 4** is an extremely rugged, low cost Short Wave Infrared Marker Beacon available in either 1050nm (902560) or 1550nm (902561) configurations.

The Velux™ 4 beacon only emits Short Wave Infrared (SWIR) signals making it invisible to Near IR (PVS, ANVIS) Night Vision Equipment and Mid and Long Wavelength Thermal Viewers. The Velux™ 4 can only be seen with SWIR and InGaAs Cameras making it ideal for ID marking during hi-risk missions where the most covert operation is essential.

Designed to use a CR123 Battery, the Velux™ 4 is 50% smaller and lighter than the Phoenix JR™ Near IR beacon. When not in use, the CR123 battery can be stored within the unit by installing the battery upside-down. The Velux™ 4 has been equipped with a spring clip for easy attachment to belts, straps, clothing and equipment.

**The Phoenix™ Jr. 123 Flex Mount** provides a simple, and effective, way of attaching the Phoenix™ Jr. 123 Signaling beacon to helmets, uniforms, packs or other objects with its included Hook and Loop peel and stick backing. Made of flexible rubber, the Phoenix™ Jr. 123 Flex Mount can be flexed to fit a variety of surfaces. Shown with Phoenix™ Jr. 123 Signaling Beacon

902560 – Velux™ 4 1050nm

902561 – Velux™ 4 1550nm



902125—Phoenix™ Jr. 123 Flex Mount



# COMBAT IDENTIFICATION

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**Velux™ 5** is a programmable Short Wave Infrared Marker Beacon powered by 2 common AA batteries. Available in either 1050nm (902570) or 1550nm (902571) configurations, the Velux™ 5 has been engineered to withstand harsh environments and chemical exposure. This tremendous strength coupled with a watertight design make the Velux 5 superbly suited for water to land deployment and special operations applications.

The Velux™ 5 has three user-selectable flash patterns; the first code pattern is a fixed flash rate code identical to the Phoenix Jr., the second code pattern is the International Morse Code signal (S–O–S) and the third is installed as needed by the user in the field.

The beacons signal is turned ON or OFF simply by "double clicking" the power button. This double click action prevents the beacon from being inadvertently activated, or deactivated. Programming and flash pattern selection is carried out via the programming button located on the top of the unit. Miniature indicator lights within the device will flash the pattern as it is being recorded by the user to confirm the code being stored. During operation, the user can reactivate the miniature indicator lights at anytime allowing the user to visually confirm the broadcast code in situations where their own night vision equipment has become lost or damaged.

Powered by 2 common AA batteries, Velux™ 5 uses the most common power source available anywhere in the world. Velux™ 5 can be attached to PALS webbing, belts, or uniform by using the supplied locking spring clips..

902570—Velux™ 5 1050nm

902571—Velux™ 5 1550nm



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE TAPES AND PATCHES—US FLAGS



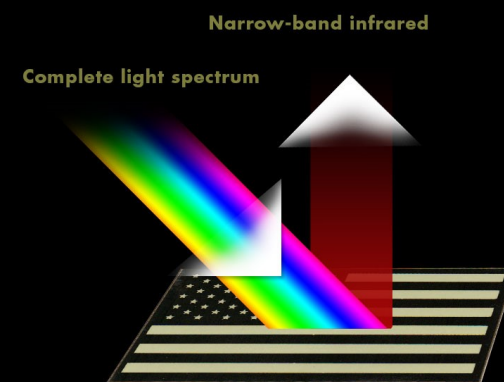
**Durable and requires no power—yet effective at over 800 meters.**

Warrior GloTape relies on the simple principle that selected light wavelengths can be either reflected or absorbed. This simple principle, translated into Warrior GloTape, is the standard for passive identification on the battlefield.

### OPERATION

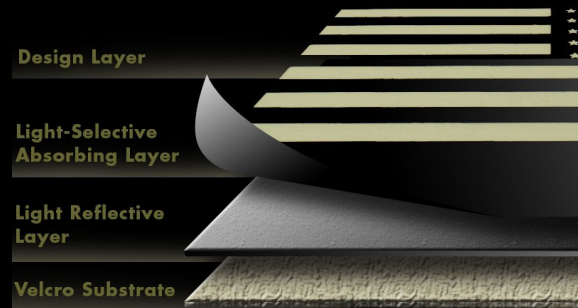
In the same way that coatings on modern combat fighter jets are tuned to absorb radar wavelengths, Warrior GloTape uses a specially-formulated coating to catch select visible light bands and only reflect IR wavelengths. While it is true that some visible light is reflected back from the surface, reflection in low-light conditions is considered to be almost zero. The reflected IR light amount is substantial, and coupled with military night vision IR systems creates a beacon of light which marks a friendly unit to team members.

Reflected high-frequency light (IR) can come from ambient light, illuminated ANVIS gear, or lasers. Targeted lasers provide the greatest infrared return while viewed through ANVIS equipment.





# COMBAT IDENTIFICATION



## CONSTRUCTION

All Warrior GloTape Infrared Reflective products are made in strict adherence to the standard for the US Army Combat Uniform Infrared Reflective Material (Document CO / PD -06-05A). These standards require specific Specular Gloss, Retro Reflectivity and Durability, characteristics. This compliance ensures that products made from the Warrior GloTape materials are durable and easy to care for and most importantly have and established, tested and proven track record both on the battlefield and in the testing laboratory.

## INCREASED TROOP SURVIVABILITY

Will not reveal unit location to combatants—To the naked eye, Warrior GloTape looks like black duct tape. Yet with military ANVIS equipment, it provides a stealth method for teams to identify specific units.

Limited field of IR reflection—Infrared light is only reflected back to the viewer in a 5 degree cone from center. Only those meant to identify troops or vehicles will be able to do so.

Long-range effectiveness—When illuminated with military ANVIS equipment, Warrior GloTape markers are visible at up to 800 meters. Military teams are given enough time to identify and react to ground movement.

## SIMPLE AND DURABLE

Nothing to break—Warrior GloTape is not powered internally, has no light-emitting elements and needs no batteries.

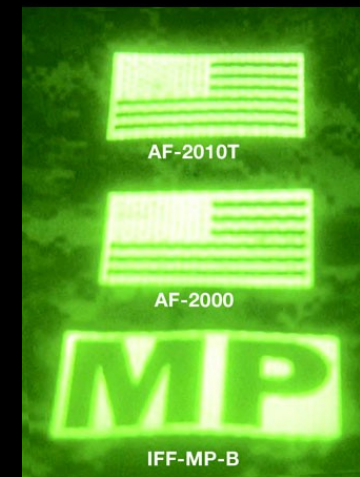
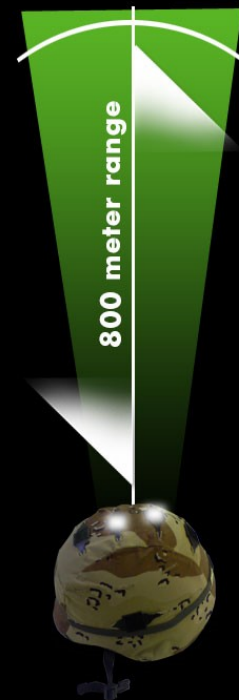
Cost effective—Troops and vehicles can be outfitted and thus protected with smaller cost per unit as compared to other identification systems.

Long life-span—Patches and labels have a seven-year weather exposure life.

## ULTIMATE FLEXIBILITY AND SECURITY

Full range of uses—Protects both individual troops and vehicles in combat situations.

5° reflection cone



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE COMBAT IDENTIFICATION—US FLAGS

Warrior GloTape Subdued Infrared (IR) Reflective American Flags are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Flags are 2" x 3.5" and available with Velcro hook or peel-and-stick backing.

AF 2010T—US Tan Flag with Stars on LEFT, Velcro (12 Pack)

AF 2010TS—US Tan Flag with Stars on LEFT, Velcro (Single)

AF 2102—US Tan Flag with Stars on LEFT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)

AF 2106—US Tan Flag with Stars on LEFT, Peel & Stick for flexible surface application (i.e. Rubber Rafts) (12 Pack)

AF-2000T—US Tan Flag with Stars on RIGHT, Velcro (12 Pack) NSN: 8455-01-524-4926

AF-2000TS—US Tan Flag with Stars on RIGHT, Velcro (Single)

AF 2104—US TAN Flag with Stars on RIGHT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)

AF 2107—US TAN Flag with Stars on RIGHT, Peel & Stick for flexible surface application (i.e. Rubber Rafts) (12 Pack)

AF-2000—US Olive Flag with Stars on LEFT, Hook Velcro (12 Pack) NSN: 8455-01-475-8887

AF 2000S—US Olive Flag with Stars on LEFT, Hook Velcro (Single)

AF 2101—US Olive Flag with Stars on LEFT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)

AF 2105—US Olive Flag with Stars on LEFT, Peel & Stick for flexible surface application (i.e. Rubber Rafts) (12 Pack)

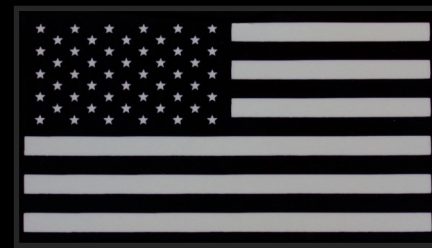
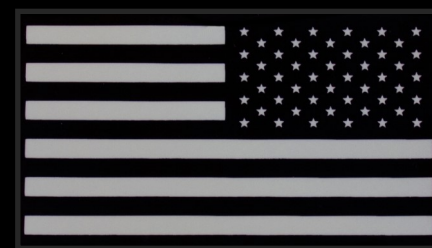
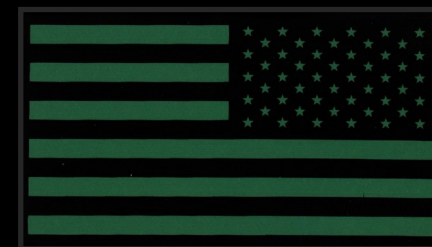
AF 2010—US Olive Flag with Stars on RIGHT, Hook Velcro (12 Pack)

AF 2010S—US Olive Flag with Stars on RIGHT, Hook Velcro (Single)

AF 2103—US Olive Flag with Stars on RIGHT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)

AF 2108—US Olive Flag with Stars on RIGHT, Peel & Stick for flexible surface application (i.e. Rubber Rafts) (12 Pack)

AF 2111—US RWB Flag with Stars on RIGHT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)



# COMBAT IDENTIFICATION

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Warrior GloTape Full Spectrum Reflective (FSR) Full color Red, White and Blue American flags reflect both IR and visible light making them easily discernible from any background and are ideal for marking emergency personnel. Use FSR flags and patches anywhere personnel are near moving vehicles or in dark areas as a personal protective equipment (PPE), or high-visibility solution. FSR Flags are 2" x 3.5" and available with Velcro hook or peel-and-stick backing.

AF 2002—US RWB Flag with Stars on LEFT, Velcro (12 Pack)

AF 2002S—US RWB Flag with Stars on LEFT, Velcro (Single)

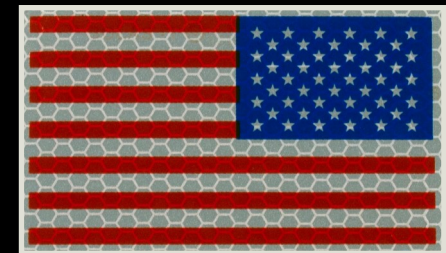
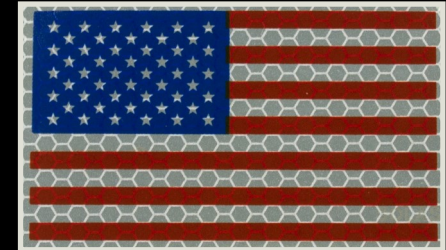
AF 2109—US RWB Flag with Stars on LEFT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)

AF 2110—US RWB Flag with Stars on LEFT, Peel & Stick for flexible surface application (i.e. Rubber Rafts) (12 Pack)

AF-2001—US RWB Flag with Stars on RIGHT, Velcro (12 Pack)

AF-2001S—US RWB Flag with Stars on RIGHT, Velcro (Single)

AF 2111—US RWB Flag with Stars on RIGHT, Peel & Stick for rigid surface application (i.e. Vehicles) (12 Pack)



Warrior GloTape Full Spectrum Reflective (FSR) Thin Blue Line American flags are available in Infrared (IR) or Full Spectrum Reflective (FSR) Configurations . Flags are 2" x 3.5" and include Velcro hook backing.

IFF 67 TBL US FLAG—2" X 3.5" THIN BLUE LINE US Flag, Grey & Blue on IR Black, Hook Velcro, 12 Pack

IFF 67 TBL US FLAG S—2" X 3.5" THIN BLUE LINE US Flag, Grey & Blue on IR Black w/ Hook Velcro, Single

FSR 67 TBL US FLAG—2" X 3.5" THIN BLUE LINE US Flag, FSR Silver & Blue on Opaque Black, Hook Velcro, 12 Pack

FSR 67 TBL US FLAG S—2" X 3.5" THIN BLUE LINE US Flag, FSR Silver & Blue on Opaque Black, Hook Velcro, Single



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE TAPES AND PATCHES—US STATE FLAGS

Warrior GloTape Subdued Infrared (IR) Reflective US State Flags are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Flags are 2" x 3.5" and include Velcro hook backing.

IFF TX FLAG 50 T—2" x 3.5" Texas Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

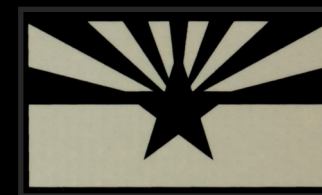
IFF TX FLAG 50 B—2" x 3.5" Texas Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack

IFF TX FLAG 50 G—2" x 3.5" Texas Flag, Olive on IR Black, Hook Velcro, 50 Pack

IFF CAL FLAG 50 T—2" x 3.5" California Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF CAL FLAG 50 B—2" x 3.5" California Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF CAL FLAG 50 G—2" x 3.5" California Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*



IFF AZ FLAG 50 T—2" x 3.5" Arizona Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF AZ FLAG 50 B—2" x 3.5" Arizona Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF AZ FLAG 50 G—2" x 3.5" Arizona Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF OR FLAG 50 T—2" x 3.5" Oregon Flag, ACU Desert Tan on IR Black IR, Hook Velcro, 50 Pack

IFF OR FLAG 50 B—2" x 3.5" Oregon Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF OR FLAG 50 G —2" x 3.5" Oregon Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF FL FLAG 50 T—2" x 3.5" Florida Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF FL FLAG 50 B—2" x 3.5" Florida Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF FL FLAG 50 G—2" x 3.5" Florida Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*



# COMBAT IDENTIFICATION

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IFF ID FLAG 50 T—2" x 3.5" Idaho Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF ID FLAG 50 B—2" x 3.5" Idaho Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF ID FLAG 50 G—2" x 3.5" Idaho Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF NV FLAG 50 T—2" x 3.5" Nevada Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

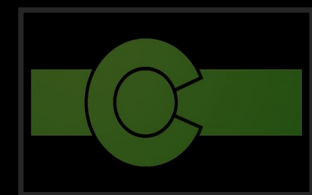
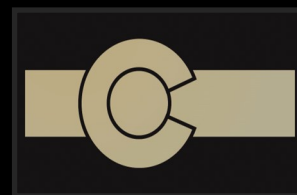
IFF NV FLAG 50 B—2" x 3.5" Nevada Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF NV FLAG 50 G —2" x 3.5" Nevada Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF WA FLAG 50 T—2" x 3.5" Washington Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF WA FLAG 50 B—2" x 3.5" Washington Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF WA FLAG 50 G—2" x 3.5" Washington Flag, Olive on IR Black, Hook Velcro, 50 Pack



IFF CO FLAG 50 T—2" x 3.5" Colorado Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF CO FLAG 50 B—2" x 3.5" Colorado Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF CO FLAG 50 G—2" x 3.5" Colorado Flag, Olive on IR Black, Hook Velcro, 50 Pack *(Pictured)*

IFF UT FLAG 50 T—2" x 3.5" Utah Flag, ACU Desert Tan on IR Black, Hook Velcro, 50 Pack

IFF UT FLAG 50 B—2" x 3.5" Utah Flag, Desert Brown on IR Black, Hook Velcro, 50 Pack

IFF UT FLAG 50 G—2" x 3.5" Utah Flag, Olive on IR Black, Hook Velcro, 50 Pack

# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE TAPES AND PATCHES—US DON'T TREAD ON ME (DTOM) FLAGS

Warrior GloTape Subdued Infrared (IR) Reflective DTOM Flags are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Flags are 2" x 3.5" and available with Velcro hook or peel-and-stick backing.

IFF DTOM GADSEN OD 12—DON'T TREAD ON ME GADSEN IR-Olive, Hook Velcro 12 Pack

IFF-DTOM-GADSEN-OLIVE—DONT TREAD ON ME, GADSEN IR—OLIVE, Hook Velcro, Single

IFF DTOM GADSEN T 12—DON'T TREAD ON ME GADSEN IR-ACU Desert Tan, Hook Velcro 12 Pack

IFF-DTOM-GADSEN-TAN—DONT TREAD ON ME GADSEN IR—ACU Desert Tan, Hook Velcro, Single

IFF DTOM USN OD 12—DON'T TREAD ON ME USN IR-Olive, Hook Velcro 12 Pack

IFF-DTOM-USN-OD—DONT TREAD ON ME USN IR—OLIVE, Hook Velcro, Single

IFF DTOM USN T 12—DON'T TREAD ON ME USN IR-ACU Desert Tan, Hook Velcro 12 Pack

IFF-DTOM-USN-TAN—DONT TREAD ON ME USN IR—ACU Desert Tan, Hook Velcro, Single



# COMBAT IDENTIFICATION

## NEAR INFRARED REFLECTIVE TAPES AND PATCHES—NATO, EC FLAGS, AND MIDDLE EAST



Warrior GloTape NATO and EC Subdued Infrared (IR) Reflective Flags are manufactured using the same stringent standards as their US counterparts to ensure compatibility on a coalition battle field. Specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Flags are 51mm x 89mm and include Velcro hook backing.

AU2000—Australian Flag, Olive, Hook Velcro, 12 Pack  
(*Pictured*)

BL 2000—Belgium NATO Flag, Hook Velcro, 12 Pack (*Pictured*)

CA-1x2-VEL—Canadian Flag 1"x2", Hook Velcro, Single

CA2000PS—Canadian Flag, Peel & Stick, Single (*Pictured*)

CA 2000—Canada Flag, OD Green on IR Black, Hook Velcro, 12 Pack  
(*Pictured*)

CA 2000T—Canada Flag, ACU Desert Tan, Hook Velcro, 12 Pack  
(*Pictured*)

CA 2000DB—Canada Flag, Desert Brown, Hook Velcro, 12 Pack

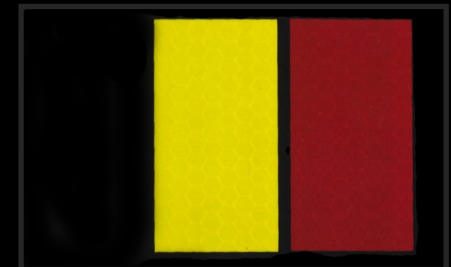
CA-1X2-PS—Canadian Flag 1"x2", Peel & Stick, 12 Pack

CA-2000(S)—Canadian Flag, Hook Velcro, Single (*Pictured*)

CA20001—Canadian Flag, Sew-On, 12 Pack

CA 2001—2" X 3.5" Canadian Flag, Red on Full Spectrum Reflective, Hook Velcro 100 pack

CA 2400 —2" X 4" Canadian Flag, Hook Velcro, 12 Pack



# COMBAT IDENTIFICATION

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IFF 67 TBL CN FLAG—2" X 3.5" THIN BLUE LINE Canadian Flag, Grey & Blue on IR Black, Hook Velcro, 100 Pack

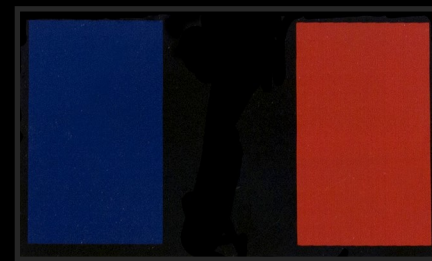
FSR 67 TBL CN FLAG—2" X 3.5" THIN BLUE LINE Canadian Flag, Red & Blue on FSR, Hook Velcro, 100 Pack

BL 2000—Belgium NATO Flag, Hook Velcro, 12 Pack

CZ 2000—Czech Republic NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

DN 2000—Denmark NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

FR 2000—France NATO Flag, Hook Velcro, 12 Pack *(Pictured)*



FR 2000 6X8—France Flag 6cm x 8 cm, Hook Velcro, 12 Pack

FR 2000S 6X8—France Flag 6cm x 8 cm, Hook Velcro, Single

GR 2000—Greece NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

GY 2000—Germany NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

HY 2000—Hungary NATO Flag, Hook Velcro, 12 Pack

ID 2000—Iceland NATO Flag, Hook Velcro, 12 Pack



# COMBAT IDENTIFICATION

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IY 2000—Italy NATO Flag , Hook Velcro, 12 Pack *(Pictured)*

IY 2000S—Italy NATO Flag, Hook Velcro, Singles *(Pictured)*

JA 2000—Japan Flag, Hook Velcro, 12 Pack *(Pictured)*

LA 2000—Latvian Flag 45 mm x 70 mm, ACU Desert Tan, Hook Velcro, 12 Pack

LK 2000—Luxembourg NATO Flag, Hook Velcro, 12 Pack

ND 2000 —Netherlands NATO Flag, Hook Velcro, 12 Pack *(Pictured)*



ND 2001 —Netherlands FSR Flag, Hook Velcro, 12 Pack *(Pictured)*

IFF 67 NLD—50mm X 90mm NLD IR Black on Desert Brown, Hook Velcro, 50 Pack

NT 2000 —NATO GloTape Flag, Hook Velcro, 12 Pack *(Pictured)*

NY 2000—Norway NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

PO 2000—Poland Flag, Hook Velcro, 12 Pack *(Pictured)*

PO 2000S—Poland Flag, Hook Velcro, Single *(Pictured)*

# COMBAT IDENTIFICATION

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PO 2010—50mm X 90mm Poland Flag, Hook Velcro, 12 Pack

PO 2010S—50mm X 90mm Poland Flag, Hook Velcro, Single

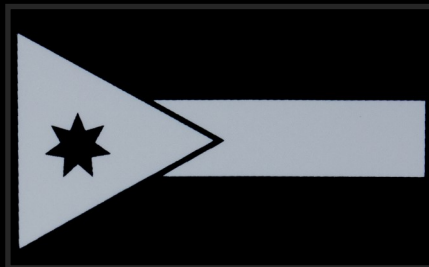
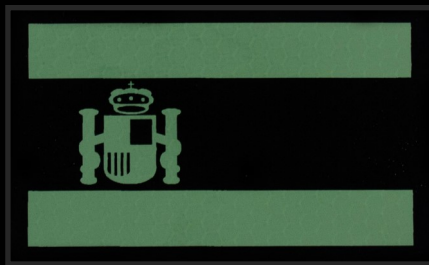
PL 2000—Portugal NATO Flag, Hook Velcro, 12 Pack

SL 2000—Slovenian Flag, Olive, , Hook Velcro, 12 Pack

SP 2000—Spanish Flag, Hook Velcro, 12 Pack *(Pictured)*

TK 2000—Turkey NATO Flag, Hook Velcro, 12 Pack *(Pictured)*

UK 2000—United Kingdom Flag, Hook Velcro, 12 Pack *(Pictured)*



IY-RC—6cm (Circle) Italian Red Cross Patch, , Hook Velcro, 12 Pack, Single

JN 2000T—Jordan Flag, ACU Desert Tan on IR Black, Hook Velcro, 12 Pack *(Pictured)*

UAE 2000—UAE Flag, ACU Desert Tan on IR Black, Hook Velcro, 12 Pack *(Pictured)*

SA 2000—Saudi Arabia Flag, Desert Brown, Hook Velcro, 12 Pack

HK 2010 G—2" X 3.5" Hong Kong Flag, Olive on IR Black, Hook Velcro, 50 pack

KW 2000—2" X 3.5 " Kuwait Flag, Red, White & Green on IR Black, Hook Velcro, 12 Pack

# COMBAT IDENTIFICATION

## NEAR INFRARED REFLECTIVE BLOOD TYPE INDICATOR PATCHES

Warrior GloTape Blood Type Subdued Infrared (IR) Reflective Indicators are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Indicators are 1"x2" or "2x2" and include Velcro hook backing.

IFF 67 BIT-(A-)—"A-" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(A+)—"A+" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(AB-)—"AB-" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(AB+)—"AB+" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(B-)—"B-" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(B+)—"B+" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(O-)—"O-" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT-(O+)—"O+" ACU Desert Tan Blood Type Patch 1x2", Hook Velcro, 20 Pack

IFF NO PCN 1X2—"NO PCN" ACU Desert Tan Patch 1x2", Hook Velcro, 20 Pack

IFF NKA 1X2—"KNA" ACU Desert Tan Patch 1x2", Hook Velcro, 20 Pack

IFF NKDA 1X2—"NKDA" ACU Desert Tan Patch 1x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(A-)—"A-" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(A+)—"A+" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(AB-)—"AB-" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(AB+)—"AB+" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(B-)—"B-" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(B+)—"B+" ACU Desert Tan Blood

IFF 67 BIT 2x2-(O-)—"O-" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT 2x2-(O+)—"O+" ACU Desert Tan Blood Type Patch 2x2", Hook Velcro, 20 Pack

IFF 67 BIT-U—ACU Desert Tan Blood Type Patch, 144 Pack (All Types) 2"x2"

IFF 67 BIT-U 1—ACU Desert Tan Blood Type Patch 144 Pack (All Types) 1"x2"

**A POS**

**A NEG**

**B POS**

**B NEG**

**AB POS**

**AB NEG**

**O POS**

**O NEG**

**A**  
**+POS+**

**B**  
**+POS+**

**AB**  
**+POS+**

**O**  
**+POS+**

**A**  
**-NEG-**

**B**  
**-NEG-**

**AB**  
**-NEG-**

**O**  
**-NEG-**

# COMBAT IDENTIFICATION

## NEAR INFRARED REFLECTIVE AND FULL SPECTRUM UNIT AND ID PATCHES

Warrior GloTape Subdued Infrared (IR) Reflective Unit and ID Patches are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Flags are 2" x 3.5" and available with Velcro hook or peel-and-stick backing. Warrior GloTape Full Spectrum Reflective (FSR) Unit and ID Patches reflect both IR and visible light making them easily discernible from any background and are ideal for marking emergency personnel. Use FSR Unit and ID patches for easy high-visibility identification.

IFF 67 GC 2X2—2" X 2" Green Cross on IR Black, Hook Velcro, 20 Pack

IFF 67 BGC 2X2—2" X 2" IR Black Cross on Green, Hook Velcro, 20 Pack *(Pictured)*

IFF 67 TC 2X2—2" X 2" ACU Desert Tan Cross on IR Black, Hook Velcro, 20 Pack *(Pictured)*

IFF 67 2X2 TTTRI-V—2" Square ACU Desert Tan Triangle on IR Black, Hook Velcro, 100 Pack *(Pictured)*

IFF MP 5—MP Patch White on IR Black, Hook Velcro, 12 Pack

IFF MP B—MP Patch Opaque Black on FSR Silver, Hook Velcro, 12 Pack *(Pictured)*

IFF MP T—MP Patch ACU Desert Tan on IR Black, Hook Velcro, 12 Pack *(Pictured)*

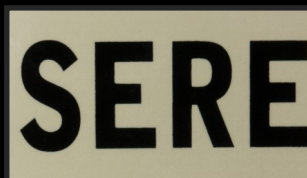
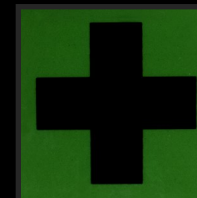
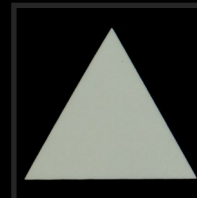
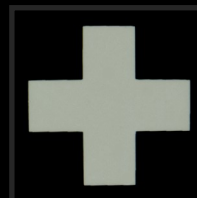
IFF USN-SEALS-T—2"X3.5" ACU Tan Navy SEALS Patch, Hook Velcro, 12 Pack

IFF USN-SEALS-G—2"X3.5" OD Green Navy SEALS Patch, Hook Velcro, 12 Pack *(Pictured)*

IFF 67 SERE DB—2" X 3.5" SERE, IR Black Text on Desert Brown, Hook Velcro, 12 pack *(Pictured)*

IFF 67 JTAC DB—2" X 3.5" JTAC, IR Black Text on Desert Brown, Hook Velcro, 12 pack

IFF USCG 2X3.5—USCG Patch, FSR on Opaque Black, Hook Velcro, 12 Pack *(Pictured)*





# COMBAT IDENTIFICATION

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IFF USCG 4X9—USCG 4" X 9" Patch, FSR on Opaque Black, Hook Velcro, 12 Pack

IFF EOD-BT—EOD Patch, IR Black Letters on Desert Brown, Hook Velcro, 12 Pack *(Pictured)*

IFF EOD-FSR—EOD Patch, FSR Letters on Opaque Black, Hook Velcro, 12 Pack

IFF EOD-T—EOD Patch, Tan Letters on IR Black, Hook Velcro, 12 Pack *(Pictured)*

IFF EOD-G—EOD Patch, Green Letters on IR Black, Hook Velcro, 12 Pack *(Pictured)*

IFF EOD-BG—EOD Patch, IR Black Letters on Green, Hook Velcro, 12 Pack *(Pictured)*

IFF MEDIC-T—MEDIC Patch, IR Black Letters on Desert Brown, Hook Velcro, 12 Pack *(Pictured)*

IFF MEDIC-FSR—MEDIC Patch, FSR on Opaque Black, Hook Velcro, 12 Pack

IFF US -T—US Patch, IR Black lettering on Desert Brown, Hook Velcro, 12 Pack

IFF SF-T—SF Patch, IR Black on Desert Brown, Hook Velcro, 12 Pack *(Pictured)*

IFF SF-G—SF Patch, IR Black on Green, Hook Velcro, 12 Pack

IFF 67 AE—2"x3.5" AE patch, White on IR Black w/ Hook Velcro, 12 Pack *(Pictured)*

IFF 67 AE DB—2"x3.5" AE Patch, IR Black on Desert Brown, Hook Velcro, 12 Pack

IFF 67 K-9 W—K-9 Patch, White on IR Black, Hook Velcro, 12 Pack

IFF 67 K-9 T—K-9 Patch, IR Black on ACU Desert Tan, Hook Velcro, 12 Pack *(Pictured)*

IFF 67 K-9 G—K-9 Patch, IR Black on Green, Hook Velcro, 12 Pack *(Pictured)*

IFF 67 K-9 FSR—K-9 Patch, FSR on Opaque Black, Hook Velcro, 12 Pack

IFF 67 CBRN 2X4—2" X 4" CBRN, Black IR Text on Desert Brown, 100 Pack *(Pictured)*



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE AND FULL SPECTRUM LAW ENFORCEMENT IDENTIFICATION PATCHES

Warrior GloTape Subdued Infrared (IR) Reflective Unit Law Enforcement ID Patches are manufactured from the same battlefield proven specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Warrior GloTape Full Spectrum Reflective (FSR) Unit and ID Patches reflect both IR and visible light making them easily discernible from any background and are ideal for marking emergency personnel.

DOJ 12 Sheriff S (Green)—3" x 12" Sheriff Patch, Green on IR Black, Hook Velcro, Single *(Pictured)*

DOJ 12 Sheriff S (Tan)—3" x 12" Sheriff Patch, Tan on IR Black, Hook Velcro, Single

DOJ 12 Sheriff S (White)—3" x 12" Sheriff Patch, White on IR Black, Hook Velcro, Single

DOJ 12 Sheriff S (Yellow)—3" x 12" Sheriff Patch, Yellow on IR Black, Hook Velcro, Single

DOJ 12 Sheriff (Green)—3" x 12" Sheriff Patch, Green on IR Black, Hook Velcro, 12 Pack *(Pictured)*

DOJ 12 Sheriff (Tan)—3" x 12" Sheriff Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 12 Sheriff (White)—3" x 12" Sheriff Patch, White on IR Black, Hook Velcro, 12 Pack

DOJ 12 Sheriff (Yellow)—3" x 12" Sheriff Patch, Yellow on IR Black, Hook Velcro, 12 Pack

DOJ 12 Police S (Green)—3" x 12" Police Patch, Green on IR Black, Hook Velcro, Single

DOJ 12 Police S (Tan)—3" x 12" Police Patch, Tan on IR Black, Hook Velcro, Single *(Pictured)*

DOJ 12 Police S (White)—3" x 12" Police Patch, White on IR Black, Hook Velcro, Single *(Pictured)*

DOJ 12 Police (Green)—3" x 12" Police Patch, Green on IR Black, Hook Velcro, 12 Pack

DOJ 12 Police (Tan)—3" x 12" Police Patch, Tan on IR Black, Hook Velcro, 12 Pack *(Pictured)*

DOJ 12 Police (White)—3" x 12" Police Patch, White on IR Black, Hook Velcro, 12 Pack *(Pictured)*

DOJ 12 SWAT S (Green)—3" x 12" SWAT Patch, Green on IR Black, Hook Velcro, Single *(Pictured)*

DOJ 12 SWAT S (Tan)—3" x 12" SWAT Patch, Tan on IR Black, Hook Velcro, Single

DOJ 12 SWAT S (White)—3" x 12" SWAT Patch, White on IR Black, Hook Velcro, Single

DOJ 12 SWAT (Green)—3" x 12" SWAT Patch, Green on IR Black, Hook Velcro, 12 Pack *(Pictured)*

A rectangular patch with a black background and the word "SHERIFF" in large, bold, green capital letters.A rectangular patch with a black background and the word "POLICE" in large, bold, white capital letters.A rectangular patch with a black background and the word "POLICE" in large, bold, light blue capital letters.A rectangular patch with a black background and the word "SWAT" in large, bold, green capital letters.

# COMBAT IDENTIFICATION

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DOJ 12 SWAT (Tan)—3" x 12" SWAT Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 12 SWAT (White)—3" x 12" SWAT Patch, White on IR Black, Hook Velcro, 12 Pack

DOJ 12 Agent S (Green)—3" x 12" Agent Patch, Green on IR Black, Hook Velcro, Single

DOJ 12 Agent S (Tan)—3" x 12" Agent Patch, Tan on IR Black, Hook Velcro, Single  
(Pictured)

DOJ 12 Agent S (White)—3" x 12" Agent Patch, White on IR Black, Hook Velcro, Single

DOJ 12 Agent (Green)—3" x 12" Agent Patch, Green on IR Black, Hook Velcro, 12 Pack

DOJ 12 Agent (Tan)—3" x 12" Agent Patch, Tan on IR Black, Hook Velcro, 12 Pack  
(Pictured)

DOJ 12 Agent (White)—3" x 12" Agent Patch, White on IR Black, Hook Velcro, 12 Pack

DOJ 5 Sheriff S (Green)—3" x 5" Sheriff Patch, Green on IR Black, Hook Velcro, Single

DOJ 5 Sheriff S (Tan)—3" x 5" Sheriff Patch, Tan on IR Black, Hook Velcro, Single

DOJ 5 Sheriff S (White)—3" x 5" Sheriff Patch, White on IR Black, Hook Velcro, Single

DOJ 5 Sheriff S (Yellow) 3" x 5" Sheriff Patch, Yellow on IR Black, Hook Velcro, Single

DOJ 5 Sheriff (Green)—3" x 5" Sheriff Patch, Green on IR Black, Hook Velcro, 12 Pack

DOJ 5 Sheriff (Tan)—3" x 5" Sheriff Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 5 Sheriff (White)—3" x 5" Sheriff Patch, White on IR Black, Hook Velcro, 12 Pack

DOJ 5 Sheriff (Yellow)—3" x 5" Sheriff Patch, Yellow on IR Black, Hook Velcro, 12 Pack

DOJ 5 Police S (Green)—3" x 5" Police Patch, Green on IR Black, Hook Velcro, Single  
(Pictured)

DOJ 5 Police S (Tan)—3" x 5" Police Patch, Tan on IR Black, Hook Velcro, Single

DOJ 5 Police S (White)—3" x 5" Police Patch, White on IR Black, Hook Velcro, Single  
(Pictured)

DOJ 5 Police (Green)—3" x 5" Police Patch, Green on IR Black, Hook Velcro, 12 Pack

DOJ 5 Police (Tan)—3" x 5" Police Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 5 Police (White)—3" x 5" Police Patch, White on IR Black, Hook Velcro, 12 Pack  
(Pictured)

A rectangular patch with a black background and the word "AGENT" in large, bold, white, sans-serif capital letters.A rectangular patch with a black background and the word "SHERIFF" in large, bold, white, sans-serif capital letters.A rectangular patch with a black background and the word "POLICE" in large, bold, green, sans-serif capital letters.A rectangular patch with a black background and the word "POLICE" in large, bold, white, sans-serif capital letters.

# COMBAT IDENTIFICATION

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DOJ 5 SWAT S (Green)—3" x 5" SWAT Patch, Green on IR Black, Hook Velcro, Single

DOJ 5 SWAT S (Tan)—3" x 5" SWAT Patch, Tan on IR Black, Hook Velcro, Single

DOJ 5 SWAT S (White)—3" x 5" SWAT Patch, White on IR Black, Hook Velcro, Single (Pictured)

DOJ 5 SWAT (Green)—3" x 5" SWAT Patch, Green on IR Black, Hook Velcro, 12 Pack (Pictured)

DOJ 5 SWAT (Tan)—3" x 5" SWAT Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 5 SWAT (White)—3" x 5" SWAT Patch, White on IR Black, Hook Velcro, 12 Pack (Pictured)

DOJ 5 Agent S (Green)—3" x 5" Agent Patch, Green on IR Black, Hook Velcro, Single (Pictured)

DOJ 5 Agent S (Tan)—3" x 5" Agent Patch, Tan on IR Black, Hook Velcro, Single

DOJ 5 Agent S (White)—3" x 5" Agent Patch, White on IR Black, Hook Velcro, Single

DOJ 5 Agent (Green)—3" x 5" Agent Patch, Green on IR Black, Hook Velcro, 12 Pack

DOJ 5 Agent (Tan)—3" x 5" Agent Patch, Tan on IR Black, Hook Velcro, 12 Pack

DOJ 5 Agent (White)—3" x 5" Agent Patch, White on IR Black, Hook Velcro, 12 Pack

DOJ 5 FBI S (Green)—3" x 5" FBI Patch, Green on IR Black, Hook Velcro, Single

DOJ 5 FBI S (Tan) —3" x 5" FBI Patch, Tan on IR Black, Hook Velcro, Single

DOJ 5 FBI S (White)—3" x 5" FBI Patch, White on IR Black, Hook Velcro, Single

DOJ DEA 1X2 CS—1" X 2" DEA Patch, White on IR Black, Hook Velcro, 20 Pack

DOJ DEA 3X4 CS—3" x 4" DEA Patch ,White on IR Black, Hook Velcro, Single (Pictured)

IFF FBI G—FBI Patch, Green on IR Black, Hook Velcro, 12 Pack (Pictured)

IFF FBI W—FBI Patch, White on IR Black, Hook Velcro, 12 Pack

IFF FBI T—FBI Patch, Tan on IR Black, Hook Velcro, 12 Pack (Pictured)

A rectangular patch with a black background and the word "SWAT" in large, bold, white, sans-serif capital letters.A rectangular patch with a black background and the word "SWAT" in large, bold, green, sans-serif capital letters.A rectangular patch with a black background and the letters "DEA" in large, bold, white, sans-serif capital letters.A rectangular patch with a black background and the letters "FBI" in large, bold, white, sans-serif capital letters.A rectangular patch with a black background and the letters "FBI" in large, bold, green, sans-serif capital letters.



# COMBAT IDENTIFICATION

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DOJ 1.5X4 POLICE—1.5IN X 4IN IR Name Tape, Green Background, Tan POLICE Lettering, and 1/8 Inch Black IR Border *(Pictured)*

DOJ 1X4 POLICE—1IN X 4IN IR Name Tape, Green Background, Tan POLICE Lettering, and 1/8 1/8 Inch Black IR Border *(Pictured)*

IFF POLICE FSR 3X8—3"x8" Police Patch FSR on Opaque Black, Hook Velcro, 12 Pack

IFF POLICE 3X8—3"x8" Police Patch White on IR Black, Hook Velcro, 12 Pack *(Pictured)*

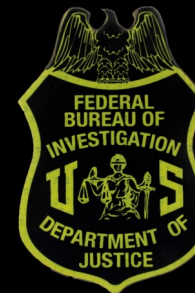
IFF POLICE FSR 2X4—2"x4" Police Patch FSR on Opaque Black, Hook Velcro, 12 Pack *(Pictured)*

IFF SHERIFF 2X7—2"x7" Sheriff Patch Yellow on IR Black, Hook Velcro, 12 Pack *(Pictured)*

DOJ 2X3.5 POLICE—2" x 3.5" Police Patch White on Black, Hook Velcro, 12 Pack

IFF FBI Badge—FBI Badge Patch, Yellow on IR Black, Hook Velcro, Single *(Pictured)*

IFF DEA Badge—DEA Badge Patch, Yellow on IR Black, Hook Velcro, Single *(Pictured)*



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE VEHICLE MARKERS

Warrior GloTape Infrared (IR) Reflective Vehicle Markers are manufactured from the same battlefield proven specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters.

CIDV12—12" IR Black Inverted "V" Vehicle Marker, 2 Pack (NSN:9390-01-521-3744)

CIDV14—14" IR Black Inverted "V" Vehicle Marker, 2 Pack (NSN: 9390-01-504-7926)

CIDV21—21" IR Black Inverted "V" Vehicle Marker, 2 Pack (NSN: 9390-01-521-3576)

CIDV28—28" IR Black Inverted "V" Vehicle Marker, 2 Pack (NSN: 9390-01-521-3746)



# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE SOURCE MATERIAL

Warrior GloTape Near Infrared Reflective Source Material only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers and is used laser cut and sew on applications.

Warrior GloTape Near IR source material is approved by Natick Labs (Certification Number: C-130-N-BI) as one of only two approved materials for laser cut patch construction. Available in Sew-On, Velcro, or Peel and Stick backing, this material comes in a variety of sizes.

IFF 67A—10"x12" IR Black Peel & Stick Sheet (NSN: 9390-01-520-8014)

IFF 67 PS 1X30—1"x30" IR Black Strip, Peel & Stick, Single

IFF 67A 2X30—2" X 30" Strip of 67A, Peel & Stick

IFF 67A 3X30—3" X 30" Strip of 67A, Peel & Stick

IFF 67 2X2 PS—2"x2" IR Black Peel and Stick Square, 12 Pack

IFF 67P / IFF 55P—.75" IR Black Square, Sew-On, 144 Pack

IFF 67—10"x12" IR Black Sew-On Sheet (NSN: 9390-01-467-7491)

IFF 67S—.75" x 30" IR Black Sew-On Strip

IFF 67 2X3.4—2' x 3.375" 67 Sew-On, 200 Per Box

IFF 67 24x30—24" x 30" Sew on 67 (23.75" X 30" Useable Material)

IFF 67 2X3.5 S—2' x 3.5" IR Black, Sew-On, Single

IFF 67 18X32—18" X 32" Sew-On 67, Each

IFF 67-1x1—1"x1" IR Black Sew-On Square, Single

IFF 67-2x2—2"x2" IR Black Sew-On Square, Single

IFF 67 2x4—2"x4" IR Black Sew-On Patch, 12 Pack

IFF 67 3X3—3' X 3" IR Black, Sew-On, 50 Pack

IFF 67 3X8—3' X 8" IR Black, Sew-On, 50 Pack

IFF 67-16—10"x16" IR Black Sew-On Sheet





# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE SOURCE MATERIAL (CONTINUED)

IFF 980—10"x16" IR Black Peel & Stick Sheet (NSN: 9390-01-467-7519)

IFF 980 .75x3 PS—.75x3" IR Black Patch, Peel & Stick, Single

IFF 980 .75x4—.75"x4" IR Black Strip, Peel & Stick, Single

IFF 980 .75x30—.75"x30" IR Black Strip, Peel & Stick, Single

IFF 980 1x25—1"x25" IR Black Strip, Peel & Stick, Single

IFF 980 1x20—1"x20" IR Black Strip, Peel & Stick, Single

IFF 980 2.75X3.75—2.75" x 3.75" IR Black Strip, Peel & Stick, 50 Pack

IFF 980 15X20—15"x20" IR Black Sheet, Peel & Stick, Single

*\*Custom configurations of 67, 55 and 980 Material are available\**





# COMBAT IDENTIFICATION

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## NEAR INFRARED REFLECTIVE SQUARES AND ARMBANDS

Warrior GloTape Subdued Infrared (IR) Reflective Squares and Armbands are manufactured from specially-formulated material that only reflects infrared (IR) wavelengths when illuminated by light sources such as targeting lasers. When viewed with military night vision IR systems, the reflected IR light provides a simple marking method that identifies friendly persons to team members at distances up to 800 meters. Squares are available with Velcro hook or peel-and-stick backing. Warrior GloTape Full Spectrum Reflective (FSR) Squares reflect both IR and visible light making them easily discernible from any background and are ideal for marking emergency personnel.

IFF 980 G—1"x1" IR Black Square, Peel & Stick Kit (50 kits of 3 Squares)

FSR 980 G—1"x1" Full Spectrum Reflective Square, Peel & Stick (50 kits of 3 Squares)

IFF 980 H—Helmet IR Black SCHIM, 144 Pack (NSN: 9390-01-503-9396)

IFF 980 K—1"x1" IR Black Square Kit, Hook Velcro, (50 kits of 3 Squares) (NSN:9390-01-511-4043)

IFF 980 MC22—2"x2" IR Black Square, Hook Velcro, 50 Pack

IFF 980 P—1"x1" IR Black Hook Velcro Square, 144 Pack (NSN: 9390-01-521-3574)

IFF 980 .75x3 HL .75x3" IR Black Patch, Hook Velcro, Single

FSR 980 P 50—1"x1" FSR Square, Hook & Loop, 50 Pack

IFF 1022—IR Black Armband 1"x22", Velcro, 12 Pack

IFF 1522—IR Black Armband 1.5"x22", Velcro, 12 Pack

IFF 2022—IR Black Armband 2"x22", Velcro, 12 Pack



# COMBAT IDENTIFICATION

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## THERMAL COMBAT IDENTIFICATION—THERMAL COMBAT IDENTIFICATION PANELS (TIP)

The **Combat ID Thermal Panel (CIDT Panel)** or **Thermal Identification Panel (TIP)** employs a proprietary material that reflects a "cold" Thermal signal that can only be seen by Thermal targeting sensors and Thermal surveillance sensors. The reflected cold image provides a simple marking method that identifies friendly persons, vehicles and equipment to air and ground forces.

The CIDT Panel has two sides. The Thermal side of the panel, which is brown in color, and the CORDURA® protective side. The Thermal side works by reflecting the sky's energy. The Thermal sensor sees the reflected energy and displays a cold image to the sensor operator. The CORDURA® protective side can be colored International Orange, so the panel can also be used as a visual signaling panel like the VS-17 Signaling Panel, or flat brown to maximize concealment. The Combat ID Thermal Panel can be deployed during the day or at night as a signaling tool.

The Thermal material utilized in the construction of the CIDT Panel, and the Thermal Identification Panel (TIP) distributed by DRS Technologies, Inc. are the only Thermal marking panels manufactured from the same material used on the CIP Vehicle mounted panels. This is the only material approved for US Army use by the US Program Manager for Meteorological and Target Identification Capabilities (MaTIC).

Deploying CIDT Panels, in conjunction with CIP vehicle mounted panels, will provide the most uniform Combat ID marking signal minimizing IFF risk on the battlefield.

- 910115—Personnel Combat ID Thermal Panel 50 (Brown / Brown), TIP-16
- 910116—Personnel Combat ID Thermal Panel 60 (Brown / Orange), TIP-17
- 910213—Vehicle Combat ID Thermal Panel 35 (Brown), TIP-9 (NSN: 2590-01-531-6337)
- 910218—Vehicle Combat ID Thermal Panel 85 (Brown), TIP-21
- 910219—Boresight Combat ID Thermal Panel 95 (Brown / Orange)



# COMBAT IDENTIFICATION

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## PORTABLE THERMAL BEACON

The **Portable Thermal Beacon (PTB)** is thermal signaling beacon designed for vehicle installation and crew operations. Transmitting in the 2 to 5 and 8 to 12 micron ranges, the PTB generates rotating flashing signal, providing a full 360 degrees of signal transmission allowing the beacon to be used for Air-to-Ground and Ground-to-Ground operations.

The PTB is powered by any DC power source ranging from 10 to 32 volts making it ideal suited for vehicle applications. Alternatively the beacon can be powered from communications batteries for dismounted use. A small signal LED is included to provide the user with a visual confirm that the beacon is working correctly. An integrated shield is also provided to protect the strobe when not in use or during transport. The beacon can be tripod mounted or fitted to the included Vehicle Mounting Base.

The Portable Thermal Beacon Kit includes a Hardigg Storm Case iM2075, Vehicle Mounting Base, Portable Thermal Beacon, Three power cables (flying lead, 5590 battery and Cejay CR123A / AA Battery Box (NSN: 6130-01-623-4297)) and user instructions.

910712—Portable Thermal Beacon (PTB)





# SIGNALING AND MARKING

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## PHOENIX™ JR. INTRUDER BEACON SYSTEM

**Phoenix™ Jr. Intruder Beacon System** is a trip wire activated infrared beacon used in conjunction with night vision equipment to detect and signal night movement along trails, roads and entry points.

The system consists of the trip wire unit, one reusable 50 ft. line bobbin, an Allen wrench used for winding the bobbins, two magnetic mounts and the Phoenix Jr. Intruder Beacon. The Phoenix Jr. Intruder Beacon flashes at a rate four times faster than the Phoenix Jr., thus differentiating it from the standard combat identification signal. Alternatively the trip wire unit may also be used with any Phoenix or Pegasus flashing beacon, and is available for purchase separately without the Phoenix Jr. Intruder beacon.

Several Intruder systems can be deployed to form a perimeter network requiring minimal NVD equipped sentries to patrol. Combat teams equipped with a GPS receiver can quickly deploy and accurately document the location of the intruder network. Once set up, the Intruder systems do not drain any power from the batteries until activated by the trip wire, maximizing the field longevity of the network.

The Phoenix Jr. Intruder Beacon offers an extremely cost effective intruder detection system. It is simple to use and can be easily deployed by one individual.

902511IR—Phoenix™ Jr. Infrared Intruder Beacon System (NSN: 5855-01-539-0639)

902511NV—Phoenix™ Jr. NV Green Intruder Beacon System

902511R—Phoenix™ Jr. Red Intruder Beacon System





# SIGNALING AND MARKING

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## NEPTUNE VENTURE™

The **Neptune Venture™** is a multi function signal light developed to provide the sportsman with several illumination tools in one compact package. Created from military technology, the strobing wide light emission LEDs can be seen for over a mile visually alerting Search and Rescue personal of your location.

Despite its small size, all Neptune Venture's functions can be controlled with one hand even when gloved. The Neptune's signal is turned ON or OFF simply by rotating the battery cap. The single mode selection button allows the user to select light color (Blue, Red or White) and move between flashing or

constant on signal mode. Brightness level can also be adjusted in constant on mode, making the light useful as either a signaling device, navigation or work light. The Neptune high impact plastic housing and sealed electronics are engineered to withstand harsh environments and is ideal for extreme sports. Powered by one CR123A, the Neptune is lightweight, rugged, versatile and submersible to 150 feet making the beacon superbly suited for water to or land adventures. The Neptune can be attached to PALS webbing, belts, or gear by using its integrated strap attachment points or wrist mounted with the included strap.

902902—Neptune Venture™ Multi-Purpose Beacon

**Neptune**  
**VENTURE**



# SIGNALING AND MARKING

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## FLEXLIGHT-STICK

The **FlexLight-Stick™** is the most universal & unique light stick on the market today.

When gearing up, or on mission, it is far too easy to bend and inadvertently activate traditional chemical-sticks making them useless when needed later. The FlexLight-Stick can be bent, twisted or trampled and with a twist of the end cap, the FlexLight-Stick turns on when needed—not before. Replacing chemical-sticks with reusable FlexLight-Sticks can add up to a significant cost savings at the end of the year.

The FlexLight-Sticks replaceable batteries, small size and flexibility makes it uniquely fitted for those special applications when you need to get the job done. The ergonomic end cap design allows the FlexLight-Stick to be attached using 550 cord, or Zip-Tie's to MOLLE, Packs, Vests and nearly anything else you want. Take two or three FlexLight-Sticks on your next mission and realize the advantage over traditional chemical Sticks.



# SIGNALING AND MARKING

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**The FlexLight-Stick 4.6" Constant ON** is a direct replacement for a chemical light stick with the added ability to turn ON or Off as needed.

Size : 4.65" x 0.75" x 0.75"  
118mm x 19mm x 19mm

Battery Life: 7 Hours +

907517A—Amber

907517G—Green

907517R—Red

907517B—Blue

907517W—White

907517IR—Infrared

907517UV—Ultraviolet (*not pictured*)



**The FlexLight-Stick 3.3" Constant ON** is a compact replacement for a chemical light stick with the added ability to turn ON or Off as needed.

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 7 Hours +

907518A—Amber

907518G—Green

907518R—Red

907518B—Blue

907518W—White

907518IR—Infrared

907518UV—Ultraviolet (*not pictured*)





# SIGNALING AND MARKING

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**The Flashing FlexLight-Stick 4.6"** extended battery life is an ideal choice when several days of marking are required. The Flashing FlexLight-Stick can be turned ON or Off as needed.

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 48 Hours +

907519A—Amber

907519G—Green

907519R—Red

907519B—Blue

907519W—White

907519IR—Infrared



**The Flashing FlexLight-Stick 3.3"** is a compact, long life marking solution when several days of marking are required. The Flashing FlexLight-Stick can be turned ON or Off as needed.

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 48 Hours +

907520A—Amber

907520G—Green

907520R—Red

907520B—Blue

907520W—White

907520IR—Infrared





# SIGNALING AND MARKING

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**The FlexLight-Stick Multi-Mode 4.6"** features both Constant ON and Flashing modes, allowing the user to select the type marking needed based on mission. The FlexLight-Stick Multi-Mode can be turned ON or Off as needed.

Size : 4.65" x 0.75" x 0.75"  
118mm x 19mm x 19mm

Battery Life: 7 Hours + (Constant ON), 48 Hours + (Flashing)

907521A—Amber

907521G—Green

907521R—Red

907521B—Blue

907521W—White

907521IR—Infrared

**The FlexLight-Stick Multi-Mode 3.3"** features both Constant ON and Flashing modes, allowing the user to select the type marking needed based on mission. The FlexLight-Stick Multi-Mode can be turned ON or Off as needed.

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 7 Hours + (Constant ON), 48 Hours + (Flashing)

907522A—Amber

907522G—Green

907522R—Red

907522B—Blue

907522W—White

907522IR—Infrared



# SIGNALING AND MARKING—SHORTWAVE INFRARED (SWIR)

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**The NEW SWIR FlexLight-Stick Constant ON** provides a marking solution similar to a chemical light stick marking but in the shortwave infrared light spectrum with the added ability to turn ON or Off as needed. Available in long 4.6" and short 3.3" versions

## 4.6" Version

Size : 4.65" x 0.75" x 0.75"  
118mm x 19mm x 19mm

Battery Life: 7 Hours +

907524-1050—FlexLight Stick 4.6" SWIR -1050nm  
907524-1200—FlexLight Stick 4.6" SWIR -1200nm  
907524-1300—FlexLight Stick 4.6" SWIR -1300nm  
907524-1450—FlexLight Stick 4.6" SWIR -1450nm  
907524-1550—FlexLight Stick 4.6" SWIR -1550nm

## 3.3" Version

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 7 Hours +

907525-1050—FlexLight Stick 3.3" SWIR -1050nm  
907525-1200—FlexLight Stick 3.3" SWIR -1200nm  
907525-1300—FlexLight Stick 3.3" SWIR -1300nm  
907525-1450—FlexLight Stick 3.3" SWIR -1450nm  
907525-1550—FlexLight Stick 3.3" SWIR -1550nm

**The NEW SWIR Flashing FlexLight-Stick** provides a long term marking solution when several days of marking are required in the shortwave infrared light spectrum with the added ability to turn ON or Off as needed. Available in long 4.6" and short 3.3" versions

## 4.6" Version

Size : 4.65" x 0.75" x 0.75"  
118mm x 19mm x 19mm

Battery Life: 7 Hours +

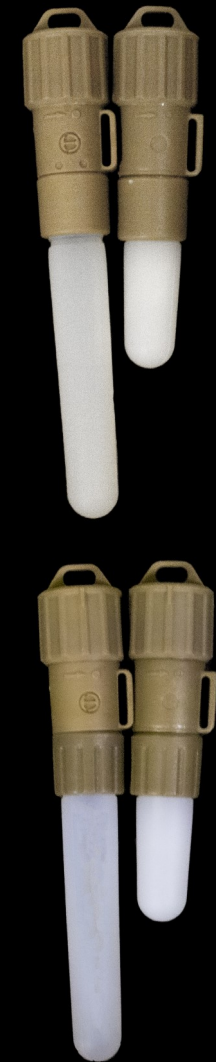
907526-1050—Flashing FlexLight Stick 4.6" SWIR -1050nm  
907526-1200—Flashing FlexLight Stick 4.6" SWIR -1200nm  
907526-1300—Flashing FlexLight Stick 4.6" SWIR -1300nm  
907526-1450—Flashing FlexLight Stick 4.6" SWIR -1450nm  
907526-1550—Flashing FlexLight Stick 4.6" SWIR -1550nm

## 3.3" Version

Size : 3.3" x 0.75" x 0.75"  
84mm x 19mm x 19mm

Battery Life: 7 Hours +

907527-1050—Flashing FlexLight Stick 3.3" SWIR -1050nm  
907527-1200—Flashing FlexLight Stick 3.3" SWIR -1200nm  
907527-1300—Flashing FlexLight Stick 3.3" SWIR -1300nm  
907527-1450—Flashing FlexLight Stick 3.3" SWIR -1450nm  
907527-1550—Flashing FlexLight Stick 3.3" SWIR -1550nm



# SIGNALING AND MARKING—SHORTWAVE INFRARED (SWIR)

The **NEW SWIR FlexLight-Stick Multi-Mode** features both Shortwave infrared light Constant ON and Flashing modes, allowing the user to select the type marking needed based on mission. The SWIR FlexLight-Stick Multi-Mode can be turned ON or Off as needed. Available in long 4.6" and short 3.3" versions

## 4.6" Version

Size : 4.65" x 0.75" x 0.75"

118mm x 19mm x 19mm

Battery Life: 7 Hours + (Constant ON), 48 Hours + (Flashing)

907528-1050—FlexLight Stick Multi-Mode 4.6" SWIR - 1050nm

907528-1200—FlexLight Stick Multi-Mode 4.6" SWIR - 1200nm

907528-1300—FlexLight Stick Multi-Mode 4.6" SWIR - 1300nm

907528-1450—FlexLight Stick Multi-Mode 4.6" SWIR - 1450nm

907528-1550—FlexLight Stick Multi-Mode 4.6" SWIR - 1550nm

## 3.3" Version

Size : 3.3" x 0.75" x 0.75"

84mm x 19mm x 19mm

Battery Life: 7 Hours + (Constant ON), 48 Hours + (Flashing)

907529-1050—FlexLight Stick Multi-Mode 3.3" SWIR - 1050nm

907529-1200—FlexLight Stick Multi-Mode 3.3" SWIR - 1200nm

907529-1300—FlexLight Stick Multi-Mode 3.3" SWIR - 1300nm

907529-1450—FlexLight Stick Multi-Mode 3.3" SWIR - 1450nm

907529-1550—FlexLight Stick Multi-Mode 3.3" SWIR - 1550nm



# SIGNALING AND MARKING

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The **FlexLight-Stick™ Mount** (907521) provides a simple way of attaching any of the Cejay FlexLight-Stick's to helmets, uniforms, packs or other objects with its included Hook and Loop peel and stick backing. FlexLight-Stick's can be easily changed out with a push of a button allowing the operator to fit the type of FlexLight-Stick™ needed for mission or training. Made of flexible rubber, the FlexLight-Stick™ mount can be flexed to fit a variety of surfaces. A 550 cord attachment point is also provided. Not compatible with FlexLight Dual (*Shown with FlexLight Not included*)

907521—FlexLight Stick Mount

The **MK Keychain Battery Carrier** is a convenient way to carry and protect up to six (6) A675 / IEC-PR44 / LR 44 (NSN: 6135-01-174-8057) batteries for all models of FlexLights, MK4 LipLights, MK GloWands, and MK Finger Lights. Made from soft rubber each battery is easily removed from the carrier when needed.

Eliminates the problem of having backup batteries that you cannot locate in your gear bag. The MK Keychain Battery Carrier is a must have item for prepared individuals.

The MK Keychain Battery Carrier includes six (6) A675 / IEC-PR44 batteries and keychain lanyard.

906116—MK Keychain Battery Carrier





# SIGNALING AND MARKING

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## FLEXLIGHT-STICK DUAL

**FlexLight™ Dual Emitter** is an extremely rugged compact, yet powerful lighting tool, water-proof to 45m (150 Feet)

Slightly shorter than a traditional Chemical light stick the FlexLight Dual Emitter provides two different colored ends that can be switched on and off when you need.

The FlexLight system runs off 6x LR44 batteries providing 7+ hours constant Illumination. This makes the FlexLight system far cheaper and more ecologically friendly to use than Chemical light sticks and also takes up far less vital space in the operators equipment.

FlexLight can be used in any traditional marking role that chemical sticks were used for in the past, but having the ability to be switched off by the operator avoids the need to try and hide a chemical light stick that cannot be switched off in your equipment, there is also no waste to try to dispose off reducing bulk and logistics burden.

907523DAB—FlexLight 6" Dual Amber/Blue

907523DAG—FlexLight 6" Dual Amber/Green

907523DAIR—FlexLight 6" Dual Amber/IR

907523DAR—FlexLight 6" Dual Amber/Red

907523DAW—FlexLight 6" Dual Amber/White

907523DBG—FlexLight 6" Dual Blue/Green

907523DBIR—FlexLight 6" Dual Blue/IR

907523DBR—FlexLight 6" Dual Blue/Red

907523DBW—FlexLight 6" Dual Blue/White

907523DGIR—FlexLight 6" Dual Green/IR

907523DGR—FlexLight 6" Dual Green/Red

907523DGW—FlexLight 6" Dual Green/White

907523DIRR—FlexLight 6" Dual IR/Red

907523DWIR—FlexLight 6" Dual White/IR (NSN:6260-01-575-9883)

907523DWR—FlexLight 6" Dual White/Red



# SIGNALING AND MARKING

## PARIS™ III LASER FLARE - NEW VERSION FOR 2020

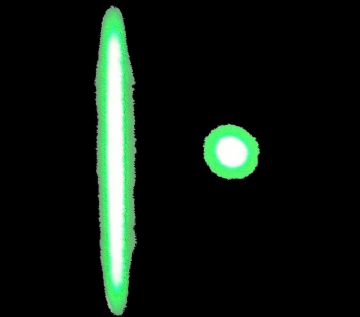
The Paris™ III is a long-range compact laser flare used for directional signaling at ranges up to 20 miles. Unlike traditional lasers, the Paris III fan laser utilizes laser light line technology to reshape the laser from a light spot to a light line. At a range of five miles, the Paris III fan laser will project a line of light approximately 1,400 feet in length. This makes the Paris III significantly more effective as a SAR signaling device than traditional beam lasers. Paris III is available in Green 532nm (902830) (NSN: 6230-01-618-0388).

At close ranges the Paris III laser can also be superbly effective as a signaling / warning device. On the battlefield, beam lasers have been deployed at check points to warn off approaching vehicles. At 1000 feet focusing a spot laser on a moving automobile windshield can be challenging. Conversely the Paris III fan laser will project a fifty+ foot line at this range dramatically increasing the probability that the signal will be recognized.

The Paris family of beacons has been engineered to be the most durable available. Constructed from a solid billet of aircraft aluminum, the Paris' cylinder walls are more than 2.5mm thick making the beacon virtually crush proof. This tremendous strength coupled with a water tight design, and corrosion resistant coatings make the Paris laser superbly suited for all operations.

The Paris III™ is turned ON and OFF by rotating the anti-roll bezel. Powered by two CR123A lithium batteries the Paris III will provide 12 hours of operation at a constant brightness. The Paris III includes a 550 cord retention lanyard and can be weapon mounted using conventional light / laser mounts.

902830—Paris 3—Green (NSN: 6230-01-618-0388)



Close range signal comparison  
(Left) Fan Laser  
(Right) Conventional Beam Laser

# SIGNALING AND MARKING

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SERE™ 70, 140.

The **SERE™ 70 and 140** provide a lightweight, ecologically friendly, multi functional lighting system. The SERE's extremely durable LED light source will continue to operate well beyond the life of traditional Chemical Light Sticks. Engineered for durability, the SERE 70 and 140 are fully functional in the humid jungles of Panama and the cold extremes of Afghanistan.

Unlike traditional Chemical Light Sticks the SERE has an ON/OFF switch which provides for better light discipline, while also making the light reusable. With the light positively turned off there is no signal emission unlike a Chemical Light Stick that you have to either bury or stuff deep inside your ruck a simple twist of the switch and the SERE light is Off. Reusability eliminates the need for the user to carry multiple Chemical Light Sticks on mission reducing the weight of the soldiers gear.

The SERE model light stick also includes a shield allowing the light signal to be directed for map reading or as a tactical illuminator. In a No-light Engagement, the soldiers Night Vision Goggle IR illuminator becomes the target. As a tactical illuminator, the shielded IR model SERE can be used in place of the NVG IR illuminator allowing the IR signal to be directed away from the users body dramatically increasing the soldiers safety during CQC operations. A 30" attachment lanyard is included with each SERE light stick.

907514IR—SERE Glo Wand 70mm" IR  
907514R —SERE Glo Wand 70mm" Red  
907514W—SERE Glo Wand 70mm" White  
907514UV—SERE Glo Wand 70mm" UV  
907516A—SERE Glo Wand 140mm" Amber  
907516B —SERE Glo Wand 140mm" Blue  
907516G—SERE Glo Wand 140mm" Green  
907516IR—SERE Glo Wand 140mm" IR  
907516R—SERE Glo Wand 140mm" Red  
907516W—SERE Glo Wand 140mm" White  
907516UV—SERE Glo Wand 140mm" UV



# SIGNALING AND MARKING

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## MK GLOWAND

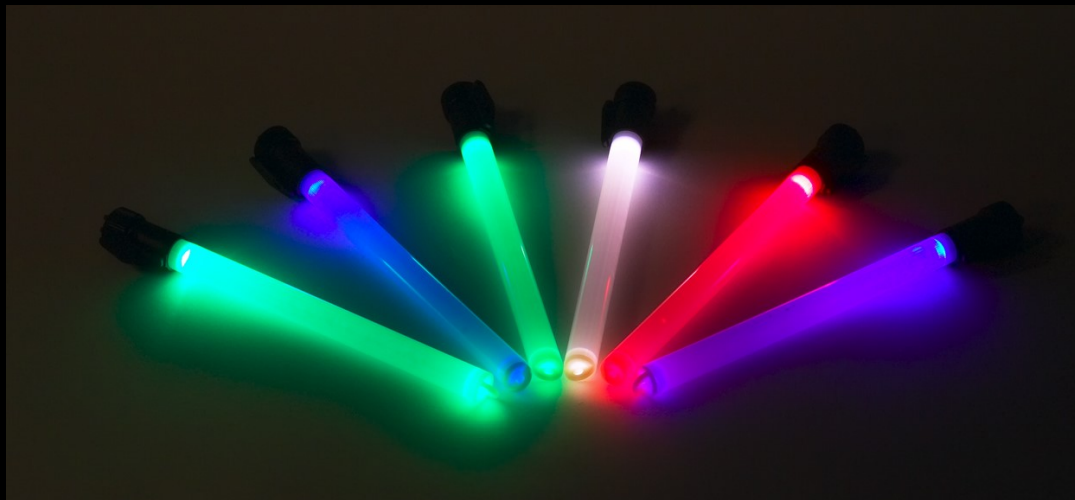
Lightweight, durable, ecologically friendly, battery powered chem-light replacement tool.

When you employ a Glo-Wand you immediately feel the difference. Due to it's long-life battery, fewer are needed, lightening your ruck on long patrols. When employed as a directional tool, it's lightweight is immediately obvious, as D-cell flashlights can weigh as much as twelve Glo-Wands. The Glo-Wand is available in single or a dual-end ( Two-Color ) system in 4inch, 6 inch or 12 inch lengths.

Unlike chem-sticks, the user decides when to turn the Glo-Wand Off. By replacing the chem-stick with reusable Glo-Wands this can add up to a significant cost savings at the end of the year. Glo-Wand offers numerous colors to choose from including IR. Slip 2 or 3 Glo-Wands into your MOLLE, or tie one down thru the molded attachment points. The MK Glo-wand is water resistant to 150 feet. Color end caps indicate LED color.

The IR Glo-Wand when tossed into an unsecured room during clearing operations while on NVG/NOD is a safe hands free illuminator, allowing the individual team member to keep his IR illuminator off.

Whether you currently use chem-sticks to read maps, mark obstructions, pot-holes, turning points, vehicles, or personnel; the Glo-Wand is an excellent, reusable, economically sound, ecologically friendly alternative.





# SIGNALING AND MARKING

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907510A—MK Glo Wand 4" Amber	907511A—MK Glo Wand 6" Amber	907512A—MK Glo Wand 12" Amber
907510B—MK Glo Wand 4" Blue	907511B—MK Glo Wand 6" Blue	907512B—MK Glo Wand 12" Blue
907510G—MK Glo Wand 4" Green	907511G—MK Glo Wand 6" Green	907512G—MK Glo Wand 12" Green
907510IR—MK Glo Wand 4" IR	907511IR—MK Glo Wand 6" IR	907512IR—MK Glo Wand 12" IR
907510R—MK Glo Wand 4" Red	907511R—MK Glo Wand 6" Red	907512R—MK Glo Wand 12" Red
907510W—MK Glo Wand 4" White	907511W—MK Glo Wand 6" White	907512W—MK Glo Wand 12" White
907510DAB—MK Glo Wand 4" Dual Amber/Blue	907511DAB—MK Glo Wand 6" Dual Amber/Blue	(907512DAB—MK Glo Wand 12" Dual Amber/Blue
907510DAG—MK Glo Wand 4" Dual Amber/Green	907511DAG—MK Glo Wand 6" Dual Amber/Green	907512DAG—MK Glo Wand 12" Dual Amber/Green
907510DAIR—MK Glo Wand 4" Dual Amber/IR	907511DAIR—MK Glo Wand 6" Dual Amber/IR	907512DAIR—MK Glo Wand 12" Dual Amber/IR
907510DAR—MK Glo Wand 4" Dual Amber/Red	907511DAR—MK Glo Wand 6" Dual Amber/Red	907512DAR—MK Glo Wand 12" Dual Amber/Red
907510DAW—MK Glo Wand 4" Dual Amber/White	907511DAW—MK Glo Wand 6" Dual Amber/White	907512DAW—MK Glo Wand 12" Dual Amber/White
907510DBG—MK Glo Wand 4" Dual Blue/Green	907511DBG—MK Glo Wand 6" Dual Blue/Green	907512DBG—MK Glo Wand 12" Dual Blue/Green
907510DBIR—MK Glo Wand 4" Dual Blue/IR	907511DBIR—MK Glo Wand 6" Dual Blue/IR	907512DBIR—MK Glo Wand 12" Dual Blue/IR
907510DBR—MK Glo Wand 4" Dual Blue/Red	907511DBR—MK Glo Wand 6" Dual Blue/Red	907512DBR—MK Glo Wand 12" Dual Blue/Red
907510DBW—MK Glo Wand 4" Dual Blue/White	907511DBW—MK Glo Wand 6" Dual Blue/White	907512DBW—MK Glo Wand 12" Dual Blue/White
907510DGIR—MK Glo Wand 4" Dual Green/IR	907511DGIR—MK Glo Wand 6" Dual Green/IR	907512DGIR—MK Glo Wand 12" Dual Green/IR
907510DGR—MK Glo Wand 4" Dual Green/Red	907511DGR—MK Glo Wand 6" Dual Green/Red	907512DGR—MK Glo Wand 12" Dual Green/Red
907510DGW—MK Glo Wand 4" Dual Green/White	907511DGW—MK Glo Wand 6" Dual Green/White	907512DGW—MK Glo Wand 12" Dual Green/White
907510DIRR—MK Glo Wand 4" Dual IR/Red	907511DIRR—MK Glo Wand 6" Dual IR/Red	907512DIRR—MK Glo Wand 12" Dual IR/Red
907510DWIR—MK Glo Wand 4" Dual White/IR	907511DWIR—MK Glo Wand 6" Dual White/IR	907512DWIR—MK Glo Wand 12" Dual White/IR
907510DWR—MK Glo Wand 4" Dual White/Red	907511DWR—MK Glo Wand 6" Dual White/Red	907512DWR—MK Glo Wand 12" Dual White/Red

# SIGNALING AND MARKING

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## HERO™ JR.

**Hero™ Jr.** is a versatile reusable marking tool employing multi-directional bright light flashes and a ~130dB tone sound which can be seen and heard over considerable distance. It is compact, extremely rugged, and able to withstand deployment from low-flying aircraft and moving vehicles.

When activated, the Hero Jr. first emits a constant sound and rapid light flashes for maximum affect. After sixty seconds, Hero begins emitting a single light flash per second and constant beeping sound for ease in location and recovery.

The Hero Jr. is made of high-strength nylon and features rubber impact bumpers on each end allowing the Hero Jr. to withstand multiple deployments from low-flying aircraft and moving vehicles. All the electronic controls are sealed within the device ensuring trouble free operation. With Hero Jr.'s battery removed, this device is no longer operational and safe to carry onboard civilian transport without any special permitting or handling.

903400G—Hero™ Jr. Green LED's

903400W—Hero™ Jr. White LED's

903430—Hero Activation Pin



# SIGNALING AND MARKING

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## HERO™ SR.

The **Hero™ Sr.** emits a bright, multi-directional, high-power LED strobe and ~130dB tone disorientating people and animals, when deployed in rooms or enclosed areas. This high intensity, safe, reusable, marking tool can be deployed over-and-over adding up to a significant cost savings when compared to similar one-time only distraction devices.

When activated, the Hero Sr. first emits a constant sound, and rapid light flashes for maximum affect. After sixty seconds, Hero Sr. begins emitting a single light flash every second and constant beeping sound for ease in location and recovery.

The Hero Sr. is made of high-strength nylon and features rubber impact bumpers on each end allowing the Hero Sr. to withstand multiple deployments from low-flying aircraft and moving vehicles. All the electronic controls are sealed within the device ensuring trouble free operation. With Hero Sr.'s battery removed, the device is no longer operational and safe to carry onboard civilian transport without any special permitting or handling.

903410G—Hero™ Sr. Green LED's

903410W—Hero™ Sr. White LED's

903430—Hero Activation Pin



# DROP ZONE

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## THE CIRLS™ BEACON SYSTEM

The Cejay Engineering, LLC. CIRLS™ (LITS) system is a low cost, compact, portable system that provides the most comprehensive, high visibility-marking platform on the market today. Simple training and deployment, coupled with extensive functionality, and modular design make the CIRLS™ system the ideal Drop Zone mission solution.

### System Capabilities

- Visible Marking, Infrared (NearIR) Marking, Short Wave Infrared (SWIR) Marking, Thermal — Mid-wavelength Infrared (MWIR, MidIR) Marking, and Thermal — Long-wavelength Infrared (LWIR) Marking. No other manufacture offers such a comprehensive marking solution in one integrated package.
- A simple modular design that minimizes system cost. You only purchase what you need for your mission.
- A product strategy that ensures new system features and accessories are backward compatible with all previously deployed systems.
- The CIRLS™ system uses a proprietary Three Pin interface to connect all CIRLS™ devices. This ensures all new CIRLS™ devices function with even our earliest CIRLS™ devices.
- Minimal training and simple deployment.
- 20+ year product history.





# DROP ZONE

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## THE CIRLS™ BEACON SYSTEM

Today's CIRLS™ (LITS™) System is comprised of two components; the CIRLS™ Signal Beacon and the CIRLS™ 123A/AA Battery Box. Connect the Signal Beacon to the Battery Box and you have a functioning CIRLS™ Beacon System. Accessories such as radio control and transport/storage cases can be added as dictated by the mission.

CIRLS™ Signal Beacons are available in a number of visible light colors (Red, Green, Blue, Yellow and White), Infrared (Near IR), Short Wave Infrared (SWIR), and Thermal — Mid and Long-wavelength Infrared (MWIR, MidIR, LWIR).

Each of these CIRLS™ Signal Beacons has been engineered to seamlessly connect to the CIRLS™ 123A/AA Battery Box. Powered by Six (6) AA or Three (3) CR123A batteries, the CIRLS™ 123A/AA Battery Box includes an ON/OFF switch for quick operation. Alternatively CIRLS™ Signal Beacons also be powered by BA-5590 series batteries using the Hydra High Power Adapter. Connect the CIRLS™ Signal Beacon to a CIRLS™ 123A/AA Battery Box or Hydra high power adapter and you have a functioning CIRLS™ Beacon System.

Radio control operation, allowing the user to remotely turn ON/OFF up to Ten CIRLS™ Beacon Systems, can be added by utilizing the Aurora™ Radio Controller and Receiver. To add radio control operation to a CIRLS™ Beacon System, each CIRLS™ Signal Beacon and CIRLS™ 123A/AA Battery Box would be paired with an Aurora™ Radio Receiver. An Aurora™ Radio Controller can then be used to remotely activate, and deactivate, the CIRLS™ Beacon Systems. Each Aurora™ Radio Controller and Receiver has Ten radio frequency options allowing up to Ten separate CIRLS™ Beacon Systems to be operated in close proximity.

Storage/Transport cases are also available for the CIRLS™ Beacon and Aurora™ Radio Systems. The CIRLS™ 5 Case provides for Storage of Five CIRLS™ Visible, IR or SWIR Signal Beacons and Five CIRLS™ 123A/AA Battery Box's. The CIRLS™ 10 provides for Storage of Ten CIRLS™ Visible, IR or SWIR Signal Beacons and Ten CIRLS™ 123A/AA Battery Box's. The Aurora™ 5 Provides for Storage or One Aurora™ Radio Controller and Five Aurora™ Radio receivers. The Aurora™ 10 Provides for Storage or One Aurora™ Radio Controller and 10 Aurora™ Radio receivers. The Portable Thermal Signal Beacon comes with a CIRLS™ 123A/AA Battery Box and Storage/Transport Case.



# DROP ZONE

## THE CIRLS™ BEACON SYSTEM

Visible Signal  
Beacons



Near IR Signal  
Beacons



SWIR Signal  
Beacons



Thermal Signal  
Beacons



CR123A / AA  
Battery Box



Hydra High  
Power Adapter



Aurora Receiver



Aurora  
Controller



CIRLS 5 Storage  
Case



Aurora 5 Storage  
Case



CIRLS 10 Storage  
Case



Aurora 10 Storage  
Case



To build a CIRLS™ / Aurora™ System first determine the number and type of signal beacons needed. A CIRLS™ 123A / AA Battery Box or Hydra High Power Adapter will be needed for each CIRLS™ Signal Beacon. If radio controlled operation is desired a Aurora™ Radio Receiver will be needed for each CIRLS™ Signal Beacon. At least one Aurora™ Controller will be needed to operate the system. If Storage Cases are needed 5 Unit and 10 Unit cases can be added. Please note the Portable Thermal Signal Beacon includes a storage case and a CIRLS™ 123A / AA Battery Box

# DROP ZONE

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## THE CIRLS™ BEACON SYSTEM

This guide will help match our extensive product offering's to your specific mission ensuring maximum value in a concise, user friendly maintainable system. To build your CIRLS system please follow the following step-by step guide. Product selections appear on the next pages of this guide.

**STEP 1:** Select the Type and Number of CIRLS™ Signal Beacons

**STEP 2:** Add a CIRLS™ 123A / AA Battery Box or Hydra High Power Adapter.

**STEP 3:** Radio Control (*Optional*): If remote operation is desired a Aurora™ Radio Receiver will be needed for each CIRLS™ Signal Beacon and CIRLS™ 123A / AA Battery Box pair. At least one Aurora™ Radio Controller will be needed to operate the system.

**STEP 4:** CIRLS™ Storage Cases (*Optional*): If Storage Cases are needed 5 Unit and 10 Unit cases can be added.

**STEP 5:** Aurora™ Storage Cases (*Optional*): If Storage Cases are needed 5 Unit and 10 Unit cases can be added.



# DROP ZONE

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## CIRLS—STEP 1—SELECT BEACON TYPE

### **CIRLS™ Yellow**

The CIRLS™ Amber Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components.



Flashing: 903518LVA  
NSN: 6210-01-623-4299  
Constant ON: 903519LVA  
NSN: 6210-01-623-4301

### **CIRLS™ Red**

The CIRLS™ Red Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components.



Flashing: 9035218LVR  
NSN: 6210-01-623-4312  
Constant ON: 903519LVB  
NSN: 6210-01-623-4300

### **CIRLS™ Blue**

The CIRLS™ Blue Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components.



Flashing: 903520HVB  
NSN: 6210-01-623-4307  
Constant ON: 903521HVB  
NSN: 6210-01-623-4311

### **CIRLS™ White**

The CIRLS™ White Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components.



Flashing: 903520HVV  
NSN: 6210-01-623-4304  
Constant ON: 903521HVV  
NSN: 6210-01-623-4309

### **CIRLS™ Near IR**

The CIRLS™ Near IR (880nm) Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components. Near IR can be seen with Night Vision.



Flashing: 903520HVV  
NSN: 6210-01-623-4304  
Constant ON: 903521HVV  
NSN: 6210-01-623-4309



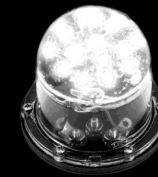
# DROP ZONE

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## CIRLS—STEP 1—SELECT BEACON LIGHT COLOR (CONT.)

### **CIRLS™ Short Wave IR (SWIR)**

The CIRLS™ SWIR Light Head incorporates an 18-LED array in a domed head filled with a proprietary resin that enhances the LED's light dispersion while sealing the electronic components. SWIR can be seen with SWIR Cameras.



Flashing: 903524SIR

Constant ON: 903525SIR

### **Portable Thermal Beacon**

The Portable Thermal Beacon (PTB) is for signaling in the thermal — Mid and Long-wavelength Infrared (MWIR, MidIR, LWIR) spectrum and is designed to be seen by cooled and uncooled thermal sensors. It can not be seen with NEAR IR Night Vision Equipment. The PTB includes a CR123 / AA Battery box.



Flashing: 910712

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## CIRLS—STEP 2—ADD A BATTERY BOX OR HYDRA HIGH POWER ADAPTER FOR EACH CIRLS MARKING BEACON

### **CIRLS™ CR123A / AA Battery Box**

Each of these DZ signal beacons has been engineered to seamlessly connect to our 123A / AA Battery Box. Powered by Six (6) AA or Three (3) CR123A batteries, the CIRLS™123A / AA Battery Box includes a ruggedized ON/OFF switch that can be operated with gloved hands for easy operation.



905117

NSN: 6130-01-623-4297

### **Hydra High Power Adapter**

Hydra is a high-power adapter intended to provide power for Cejay Engineering CIRLS Drop Zone lighting systems. Designed to supply power from a BA-5590 series batteries or any external 10-30 DC power supply, the Hydra delivers long term power and extensive standby operation to any CIRLS lighting system in a weatherproof solution.



905211

# DROP ZONE

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## CIRLS—STEP 3—SELECT RADIO CONTROL (OPTIONAL)

### **Aurora™ Radio Receiver**

The Aurora™ 2.4GHz digital radio control system enables a user to remotely turn ON / OFF up to Ten separate CIRLS Beacon Systems. To add radio control operation to the CIRLS™ system, each CIRLS™ Signal Beacon and CIRLS™123A / AA Battery Box would be paired with an Aurora Receiver



908211

### **Aurora™ Radio Controller**

The Aurora™ 2.4GHz digital radio controller enables a user to remotely turn ON / OFF CIRLS™ Beacon Systems equipped with the Aurora Radio Receivers.



908111



# DROP ZONE

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## CIRLS—STEP 4—CIRLS™ STORAGE CASES (OPTIONAL)

### **CIRLS™ 5 Storage Case**

The CIRLS™ 5 Storage Case provides storage for Five CIRLS™ Marking Beacons and Five CIRLS™ 123A / AA Battery Boxes. Included are tie-down straps and Stakes for Five units.



903601

### **CIRLS™ 10 Storage Case**

The CIRLS™ 10 Storage Case provides storage for Ten CIRLS™ Marking Beacons and Ten CIRLS™ 123A / AA Battery Boxes. Included are tie-down straps and Stakes for Ten units.



903611

### **Aurora™ 5 Storage Case**

The Aurora 5 Storage Case provides storage for One Aurora Controller and Five Aurora Receivers.



908312

### **Aurora™ 10 Storage Case**

The Aurora 10 Storage Case provides storage for One Aurora Controller and Ten Aurora Receivers.



908412

# DROP ZONE

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## CIRLS—PRE CONFIGURED KITS

CIRLS 5 Kit containing Four WHITE and One RED Constant ON Lights .....	903600A
CIRLS 5 Kit containing Three WHITE, One GREEN and One RED Constant ON Lights ..	903600B
CIRLS 5 Kit containing Five WHITE Constant ON Lights .....	903600C
CIRLS 5 Kit containing Four WHITE Constant ON and One Flashing Amber Lights.....	903600D
CIRLS 5 Kit containing Five Infrared Constant ON Lights .....	903600E
CIRLS 5 Kit containing Five Infrared Flashing Lights .....	903600F
CIRLS / Aurora 5 Kit IR Constant ON.....	903601IR
CIRLS 10 Kit containing Eight WHITE and Two RED Constant ON Lights .....	903610A
CIRLS 10 Kit containing Eight WHITE, One GREEN and One RED Constant ON Lights..	903610B
CIRLS 10 Kit containing Ten WHITE Constant ON Lights .....	903610C
CIRLS 10 Kit containing Eight WHITE Constant ON and Two Flashing Amber Lights....	903610D
CIRLS 10 Kit containing Ten Infrared Constant ON Lights .....	903610E
CIRLS 10 Kit containing Ten Infrared Flashing Lights.....	903610F
CIRLS 10 Kit containing Eight WHITE, One GREEN and One RED Constant ON Lights..	903610G
CIRLS 10 Kit containing Two RED, Two BLUE, Two GREEN and Four IR Constant ON Lights.....	903610H
CIRLS Accessory Pack (Stakes & Strap).....	905111A





# DROP ZONE

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## THE TACP™ II / TACAIR™ BEACON

The **TACP™ II / TacAIR™ Beacon** (NSN: 5855-01-460-9151) is a high intensity infrared beacon designed for long distance signaling during Close Air Support (Night CAS) operations.

Primarily used as a Drop Zone (DZ), Landing Zone (LZ) and marker, the beacon's flat top design maximizes ground-to-air signal while minimizing the ground-to-ground signal. Powered by either Six (6) AA, or Three (3) CR123A, batteries the TACP II provides flexibility and over 100+ hours of continuous operation. The TACP II / TacAIR beacon can be seen by aircraft at distances up to twenty nautical miles.

The TACP II / TacAIR features sealed electronic components in a weatherproof casing to ensure reliability. Its ruggedized switch can be operated with gloved hands, but is also recessed to prevent inadvertent activation. A built-in light sensor automatically turns off the beacon during the day to save power and maximize run time while a visible low-intensity, miniature indicator light flashes during operation to confirm the beacon is ON for persons without night vision equipment.

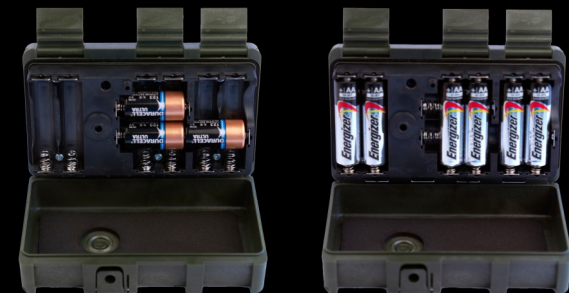
The TACP II's new one piece design ensures no lost components during an operation, while its smaller size allows it to be fit within a double M16 pouch for easy carry. Integrated flip-down attachment points can be used for securing the beacon to objects. An optional Accessory Pack with Tie down Stakes and Strap (905111A) can also be used to secure the beacon in high winds or rotor wash.

903211IR—TACP II / TacAIR Flat Top Flashing IR (IR-20)

903211NV—TACP II / TacAir Flat Top Flashing NV Green Training Model

903211R—TACP II / TacAIR Flat Top Flashing Red Training Model

905111A—CIRLS Accessory Pack (Tie down Stakes and Strap)



# COCKPIT LIGHTING

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# COCKPIT LIGHTING

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## MK1 LipLight

Designed as a focused short-range, hands-free illumination device for pilots, the MK1 LipLight is specifically designed for use with the Military M87/AIC microphone (MIL-PRF-26542). This microphone and wire boom are commonly fitted to the Gentex HGU-56/P, HGU-84/P, SPH-4B Helmets as standard components.

The MK1 LipLight uses one SPOT and two FLOOD Super Bright LEDs to light the work area. The operator can easily switch between SPOT, or FLOOD to change the size of the area illuminated. SPOT and FLOOD LEDs can be ordered in different color combinations allowing the same light to be used in different roles.

The MK1 LipLight can also be switched between ON and STANDBY operation. For full-time operation, the user selects the ON mode. In the STANDBY mode the MK1 is momentarily activated by depressing the lip switch on the back of the unit. Powered by 2 AA batteries, the MK1 LipLight gives the user exceptional performance over weeks of operations. The battery pack is commonly fitted to the helmet exterior or headset.

904112G—LipLight MK1 Bright Green (NSN: 6230-01-613-9851)

904112GW—LipLight MK1 Bright Green/White (NSN: 6230-01-613-9874)

904112NVG—LipLight MK1 Night Vision Green (NSN: 6230-01-613-9872)

904112NVW—LipLight MK1 Night Vision Green/White (NSN: 6230-01-613-9863)

904112W—LipLight MK1 White (NSN: 6230-01-613-9862)





# COCKPIT LIGHTING

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## MK3 LIPLIGHT

The **MK3 LipLight** is a focused short-range lighting tool providing the operator with immediate supplemental light to aid in the performance of critical tasks. The MK3's universal mounting system allows the LipLight to be mounted to virtually any single or twin wire boom making the light simple to install and deploy.

The MK3 LipLight uses one SPOT and three FLOOD Super Bright LEDs to light the work area. The operator can easily switch between SPOT, FLOOD or SPOT and FLOOD light modes to change the size of the area illuminated via the single mode function button on the front of the unit. SPOT and FLOOD LED's can be ordered in different color combinations allowing the same light to be used in different roles. The mode function button also allows the operator to adjust the lights brightness level providing additional flexibility.

The LipLight is activated by depressing the lip switch on the back of the unit. The operator can either select from ON/OFF or momentary switching. The MK3 LipLight is available with either a Standard (904216) or Soft Touch (904217) lip switch. The Soft Touch lip switch is suitable for easily bent flex booms such as those booms supplied with Bose©, and MSA Sordin© Headsets. Powered by 2 AA batteries it gives weeks of exceptional operational performance



- 904216A—LipLight MK3 Amber
- 904216AB—LipLight MK3 Amber/Blue
- 904216AG—LipLight MK3 Amber/Green
- 904216AIR—LipLight MK3 Amber/IR
- 904216ANV—LipLight MK3 Amber/NV Green
- 904216AR—LipLight MK3 Amber/Red
- 904216AW—LipLight MK3 Amber/White
- 904216B—LipLight MK3 Blue
- 904216BA—LipLight MK3 Blue/Amber
- 904216BG—LipLight MK3 Blue/Green
- 904216BIR—LipLight MK3 Blue/IR
- 904216BNV—LipLight MK3 Blue/NV Green
- 904216BR—LipLight MK3 Blue/White
- 904216G—LipLight MK3 Bright Green (NSN: 6230-01-613-9871)
- 904216GA—LipLight MK3 Bright Green/Amber
- 904216GB—LipLight MK3 Bright Green/Blue





# COCKPIT LIGHTING

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## MK3 INTEGRATED BRACKET LIPLIGHT

The **MK3 Integrated Bracket LipLight** is a focused short-range lighting tool designed to provide pilots with hands-free illumination during night flight operations. Since its inception, the LipLight's role and functionality have extended making it a required tool for cockpit and flight deck.

The MK3 Integrated Bracket is intended for installation on all microphone booms, including wireframe booms, using a pivot screw to secure the microphone capsule.

The MK3 LipLight uses one SPOT and three FLOOD Super Bright LEDs to light the work area. The operator can easily switch between SPOT, FLOOD or SPOT and FLOOD light modes to change the size of the area illuminated via the single mode function button on the front of the unit. SPOT and FLOOD LEDs can be ordered in different color combinations allowing the same light to be used in different roles. The mode function button also allows the operator to adjust the lights brightness level providing additional flexibility.

The LipLight is activated by depressing the lip switch on the back of the unit. The operator can either select from ON/OFF or momentary switching. Powered by 2 AA batteries it gives weeks of exceptional operational performance. *Nylon Carry Bag not included.*





# COCKPIT LIGHTING

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## MK4 LIPLIGHT

The **MK4 LipLight** is the first light developed to incorporate the batteries directly into the light itself, making the overall package lighter as well as removing the need for an exterior battery pack and cumbersome power cable.

The MK4 LipLight uses one SPOT and three FLOOD Super Bright LED's to light the work area. The operator can easily switch between SPOT, FLOOD or SPOT and FLOOD light modes to change the size of the area illuminated via the single mode function button on the front of the unit. SPOT and FLOOD LEDs can be ordered in different color combinations allowing the same light to be used in different roles. The mode function button also allows the operator to adjust the lights brightness level providing additional flexibility.

The MK4 LipLight is activated by depressing the lip switch on the back of the unit. The MK4 features a unique lock-out system to prevent the user from inadvertently activating the light when storing or during tactical operations and an adjustable "auto-off" function to maximize battery life. The MK4 LipLight is available with either a Standard (904220) or Soft Touch (904219) lip switch. The Soft Touch lip switch is suitable for easily bent flex booms such as those booms supplied with Bose© and MSA Sordin© Headsets.



- 904220A—LipLight MK4 Amber
- 904220AB—LipLight MK4 Amber/Blue
- 904220AG—LipLight MK4 Amber/Green
- 904220AIR—LipLight MK4 Amber/IR
- 904220ANV—LipLight MK4 Amber/NV Green
- 904220AR—LipLight MK4 Amber/Red
- 904220AW—LipLight MK4 Amber/White
- 904220B—LipLight MK4 Blue
- 904220BA—LipLight MK4 Blue/Amber
- 904220BG—LipLight MK4 Blue/Green
- 904220BIR—LipLight MK4 Blue/IR
- 904220BNV—LipLight MK4 Blue/NV Green
- 904220BR—LipLight MK4 Blue/White
- 904220BW—LipLight MK4 Blue/White
- 904220G—LipLight MK4 Bright Green (NSN: 6230-01-613-9846)
- 904220GA—LipLight MK4 Bright Green/Amber
- 904220GB—LipLight MK4 Bright Green/Blue





# COCKPIT LIGHTING

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## MK4 INTEGRATED BRACKET LIPLIGHT

The **MK4 Integrated Bracket LipLight** (904223) is the first light developed to incorporate the batteries directly into the light itself, making the overall package lighter as well as removing the need for an exterior battery pack and cumbersome power cable.

The MK4 Integrated Bracket LipLight is intended for installation on all microphone booms, including wireframe booms, using a pivot screw to secure the microphone capsule.

The MK4 LipLight uses one SPOT and three FLOOD Super Bright LEDs to light the work area. The operator can easily switch between SPOT, FLOOD or SPOT and FLOOD light modes to change the size of the area illuminated via the single mode function button on the front of the unit. SPOT and FLOOD LEDs can be ordered in different color combinations allowing the same light to be used in different roles. The mode function button also allows the operator to adjust the lights brightness level providing additional flexibility.

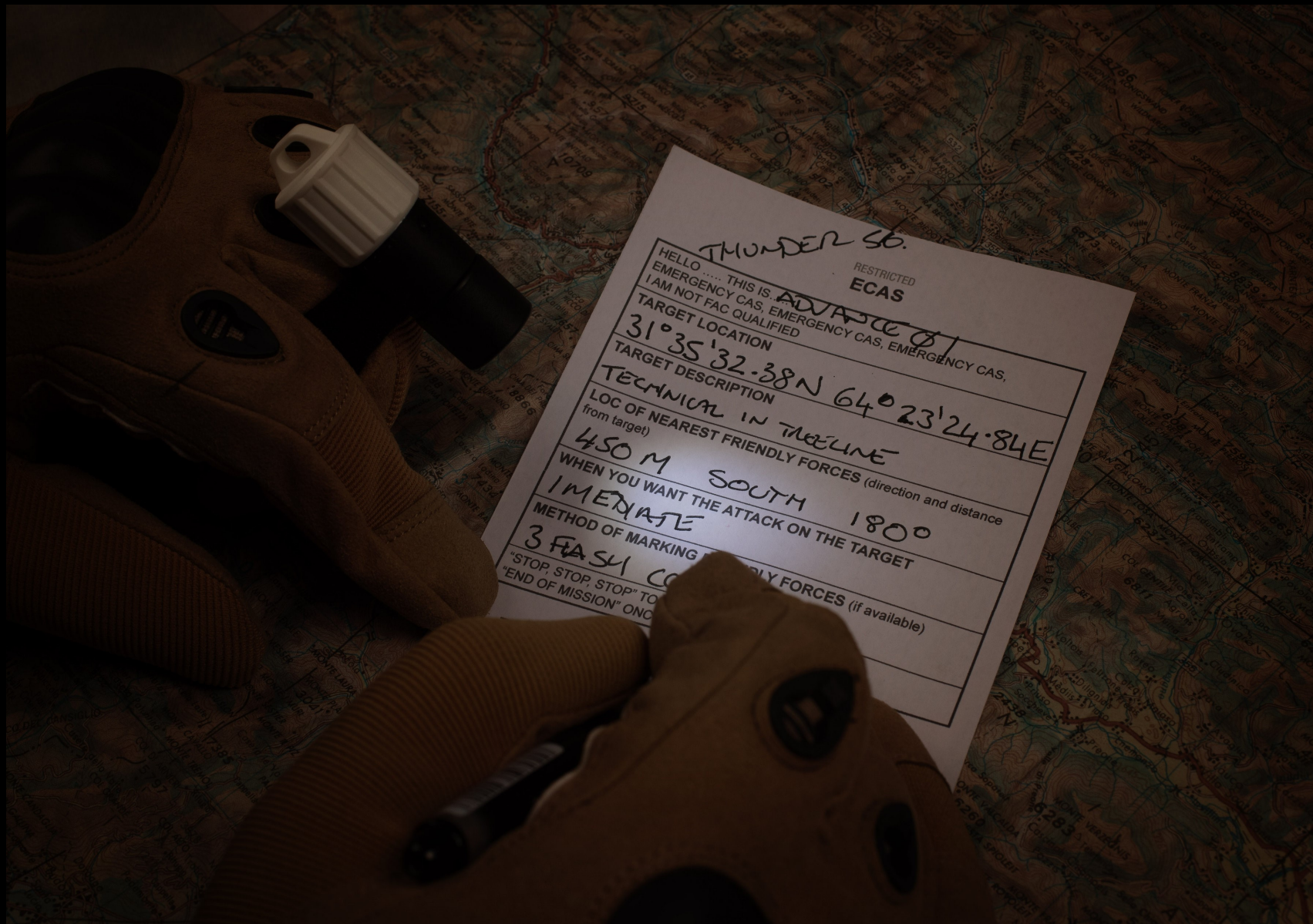
The Mk4 LipLight is activated by depressing the lip switch on the back of the unit. The MK 4 features a unique lock-out system to prevent the user from inadvertently activating the light when storing or during tactical operations and an adjustable “auto-off” function to maximize battery life.







# COCKPIT LIGHTING





# COCKPIT LIGHTING

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## Mk10 FINGER LIGHT

The **MK10 Finger Light** was designed as a low cost water and chemical resistant short-range lighting tool. Originally designed for pilots, the popularity of these simple-to-use Finger Lights have made them required tools for ground forces, medical personnel, and logistics staff. Anywhere hands free light is needed, the finger light has found a home.

Affixed to the top of the users index finger, with the included Velcro strap, the operator can easily switch the light ON or OFF by rotating the end cap. The MK10's sealed and virtually indestructible light emitting diode (LED) light is available in a variety of colors including ultraviolet (UV). The Mk10 Finger Light is water resistant to a depth of 150 feet.

The finger light is ideally suited for operations requiring minimal light or situations where preserving night vision while navigating, tracking, map reading, or other close work is critical. Powered by three A76 Batteries, the MK10 Finger Light will provide light over several hours of operation.

907118A—Finger Light MK10 Amber *(Not Pictured)*

907118B—Finger Light MK10 Blue

907118G—Finger Light MK10 Green

907118IR—Finger Light MK10 IR *(Not Pictured)*

907118NVG—Finger Light MK10 NV Green

907118R—Finger Light MK10 Red

907118U—Finger Light MK10 UV *(Not Pictured)*

907118W—Finger Light MK10 White



# COCKPIT LIGHTING

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## MK1 FINGER LIGHT

The **MK1 Finger Light** was introduced as compact, focused short-range lighting tool providing the user with immediate supplemental light to aid in the performance of critical tasks. Originally designed for pilots, the popularity of these simple-to-use lights have made them required tools for ground forces, battle tank, medical personnel and logistics staff. Anywhere hands free light is needed, the finger light has found a home.

Affixed to the top of the users index finger with the included Velcro strap, the operator can easily switch the light ON or OFF with their thumb via the units side toggle switch. .

The finger light is ideally suited for operations requiring minimal light or situations where preserving night vision while navigating, tracking, map reading, or other close work is critical. Powered by two A76 Batteries, the MK1 Finger Light will provide light over several hours of operation.

907111A—Finger Light MK1 Amber *(Not Pictured)*

907111B—Finger Light MK1 Blue *(Not Pictured)*

907111G—Finger Light MK1 Bright Green *(Not Pictured)*

907111IR—Finger Light MK1 IR *(Not Pictured)*

907111NVG—Finger Light MK1 NV Green IR-17G (NSN: 6230-01-411-0814)

907111R—Finger Light MK1 Red

907111W—Finger Light Mk1 White



# COCKPIT LIGHTING

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## COCKPIT ACCESSORIES

The **MK Battery Pack** is designed for use with the MK1 LipLight (904112), MK3 LipLight (904216), MK3 LipLight—Soft Touch (904217). The MK Battery Pack is powered by two AA batteries and is compatible with all current Cejay Engineering Titan or LipLight devices. The MK Battery Pack features a contoured mounting surface for installation on flight helmets.

All Titan and MK3 LipLights are sold with an MK Battery Pack. Some users prefer to have an extra battery pack, or want a replacement for a pack that may have been damaged in service. Users of the Aviator Pack (906111) commonly purchase an additional pack.

The MK Battery Pack includes Nylon Carry Bag, and Hook and Loop Velcro® and operating instructions.

904251—The MK Battery Pack



The **MK Keychain Battery Carrier** is a convenient way to carry and protect up to six (6) A675 / IEC-PR44 / LR 44 (NSN: 6135-01-174-8057) batteries for all models of MK4 LipLights, MK GloWands, and MK Finger Lights. Made from soft rubber each battery is easily removed from the carrier when needed.

Eliminates the problem of having backup batteries that you cannot locate in your gear bag. The MK Keychain Battery Carrier is a must have item for prepared individuals.

The MK Keychain Battery Carrier includes six (6) A675 / IEC-PR44 batteries and key-chain lanyard.

906116—MK Keychain Battery Carrier





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