

MADE IN



U. S. A.

DIR-ONE Operator Manual

SAFETY SUMMARY

GENERAL

This manual contains operating instructions and maintenance procedures, which may cause injury or death to personnel or damage to equipment if not properly followed.

Prior to performing any task, the WARNINGS, CAUTIONS, and NOTES, included in that task, shall be reviewed and understood.

DEFINITIONS

WARNING

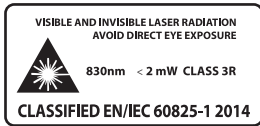
Highlights an essential operating or maintenance procedure, practice, condition, or statement, which, if not strictly observed, could result in injury to or death of, personnel, or long term health hazards.

CAUTION

Highlights an essential operating or maintenance procedure, practice, condition, or statement, which, if not strictly observed, could result in damage to, or destruction of, equipment or loss of mission effectiveness.

NOTE

Highlights an essential operating or maintenance procedure, condition, or statement.



WARNING

Always be sure that the DIR-ONE is pointed away from yourself and others before turning it on.

WARNING

Be sure the weapon is CLEAR and on SAFE before attaching, cleaning, or inspecting the DIR-ONE.

WARNING

Never look directly into any laser beam.
Never view a laser beam through a magnifying device.
Do not shine the laser beam into the eyes of another person.
Never shine a laser device at reflective surfaces.

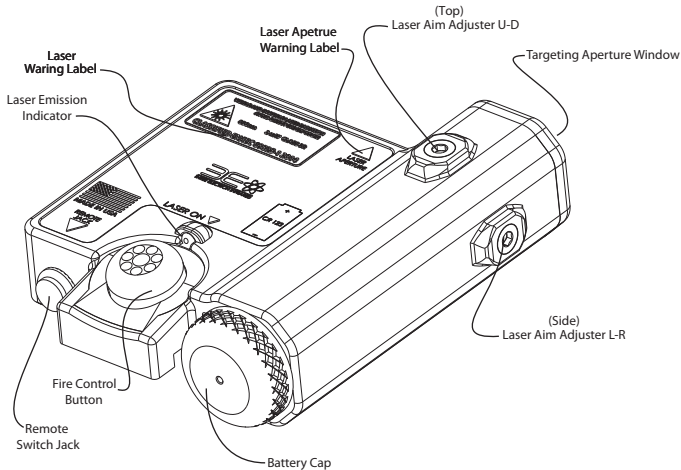
WARNING

Always store the DIRONE with the battery removed.

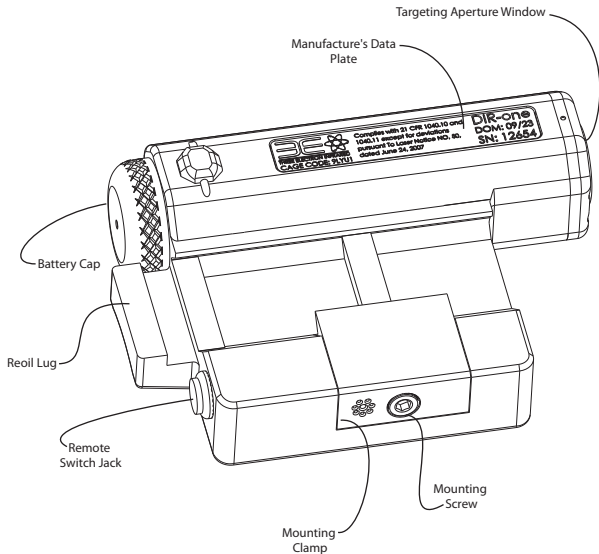
NOTE

The DIRONE is not serviceable or repairable.
Any alterations or repair actions, beyond those described in this manual, will automatically void the DIR-ONE warranty.

FEATURES AND CONTROLS (Top)



FEATURES AND CONTROLS (Bottom)



LASER ACTIVATION

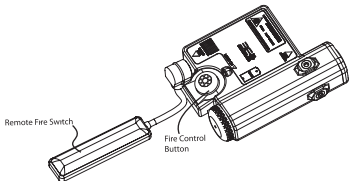
DIR-one may be used by activating the laser as follows:

Momentary Operation

Pressing and holding the Fire Button or Remote Fire Switch operates the DIR-ONE. The laser will remain on until the Fire Button or Remote Fire Switch is released.

(Optional) Remote Fire Switch

When installed, the optional Remote Fire Switch may be used to provide the same functionality as the Fire Control Button.



Compatible switches that work with the DIR-ONE include:

Surefire



SR-D-IT Remote
Dual Switch for Weaponlight + Laser Device

Modlite



ModButton™ Lite | Crane-Type Laser



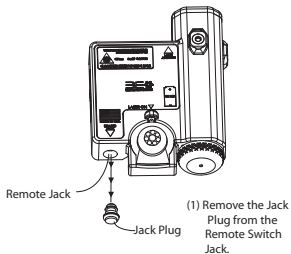
Unity Axon Surefire/Crane Laser



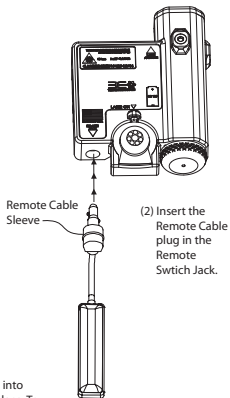
Unity Axon SL Crane Laser

ATTACHING REMOTE ACTIVATION DEVICES

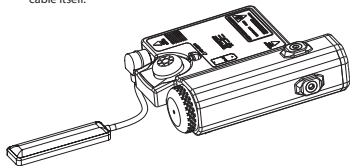
(1)



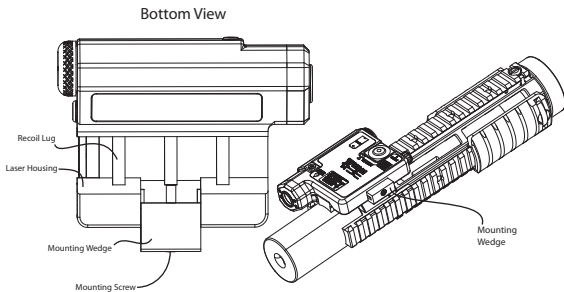
(2)



When the Remote Cable Switch is plugged into the Remote Jack, it automatically locks in place. To remove it, pull back on the cable sleeve. Do not remove the Remote Cable Switch by pulling on the cable itself.



MOUNTING PROCEDURES



(STEP 1)

With the battery removed from the DIR-ONE loosen the mounting screw until the mounting wedge can be pulled away from the laser housing.

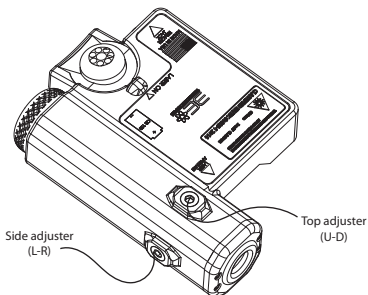
(STEP 2)

With the DIR-ONE tilted at approximately 30 deg slide it onto the rail until it stops and has engaged with the weapon mounting rail.

(STEP 3)

Be sure the recoil lugs on the DIR-ONE are mated with the mounting rail, and tighten the mounting screw until the DIR-ONE is securely mounted to the rail system.

LASER AIM ADJUSTERS



WARNING

Do not over tighten laser adjusters

Movement for aim lasers

Top adjuster
(U-D)



Turn Clockwise
Move Laser



Turn Counter Clockwise
Move Laser



Side adjuster
(L-R)



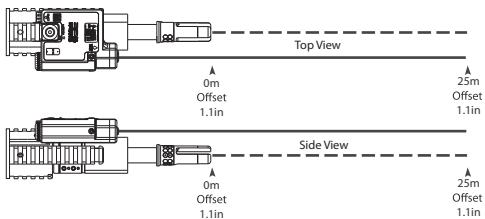
Turn Clockwise
Move Laser



Turn Counter Clockwise
Move Laser



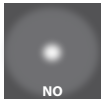
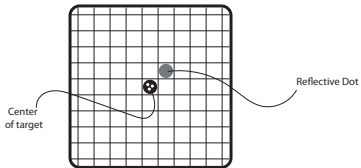
Constant offset zero



The constant offset method allows the sights to be accurate at multiple distances, not just one. The laser is aligned parallel to the barrel's center axis and never intersects the bullet trajectory. Since the lines are parallel, regardless of the distance the the point of impact will be the same distance from the laser dot disregarding wind, bullet drop, etc.

ESTABLISH YOUR ZERO

1. At a designated shooting location place the target at a distance of 25 meters.
2. Place the supplied reflective dot on your target, 1" high and 1" right of center.
3. Turn on the IR laser and sight in on the target so that the laser is centered on the reflective dot. The bloom from the IR laser will increase dramatically when you're properly aligned with the reflective dot.
4. Fire a 3 shot group while keeping the laser aligned with the reflective dot.
5. Check the point of impact for the shot group and adjust as needed.
6. Repeat steps 4-5 until your shot group is aligned with the center of the target.



INSPECTION / CLEANING

WARNING

Confirm battery is removed and the weapon is CLEAR and on SAFE before cleaning or inspecting the DIR-ONE

WARNING

Chemicals, other than isopropyl alcohol may damage the DIR-ONE system.

NOTE

No user serviceable parts are located inside of the DIR-ONE.
Removal of the Aperture Bezel Mounting Screws or any covers will void the DIR-ONE warranty.

MODEL NUMBER AND EQUIPMENT NAME

This manual applies to the DIR-ONE model.

MANUFACTURER

Three Electron Infrared
12209 NE FOURTH PLAIN BLVD.
SUITE I / J
Vancouver WA.
98682

PURPOSE OF EQUIPMENT

The DIR-ONE laser device emits infrared (IR) light used for precise weapon aiming.

TECHNICAL SPECIFICATIONS

SIZE AND WEIGHT

Weight (with battery)	1.1oz
Length	3.5 inches
Width	2.5 inches
Height (above rail)	.45 inches

BATTERIES AND PERFORMANCE

Batteries	One CR123 Lithium
Battery life	> 25 Hours
Waterproof rating	>IP67

LASER

	IR Aim Laser
Output power	< 2.0 mW
Beam divergence	0.5 mrad (\pm 0.3 mrad)
Wavelength	820 – 850 nm
Range	>600m

For repair or replacement contact:

Three Electron Infrared
12209 NE FOURTH PLAIN BLVD.
SUITE 1 / J
Vancouver WA.
98682
info@3eir.com

RETURN INSTRUCTIONS

To assist with determining if the item is repairable, the following information will be requested:

- a. Serial number of the item;
- b. Thorough description of the perceived malfunction or damage.
- c. If known, an explanation as to how the malfunction or damage occurred.

If it is determined that the item is under warranty or should be returned for repair, a Return Material Authorization (RMA) number will be provided.

When returning the DIR-ONE for service / repair, the following procedures should be followed to prevent any additional damage:

PACKING

1. Be sure that the DIR-ONE is free of all contaminants such as dirt or any other foreign material.
2. Remove the battery.
3. Place the DIR-ONE in soft packaging material.

WARRANTY INFORMATION

DIR-ONE products are under warranty for material defects and workmanship for a minimum of (2) years from the purchase date. This warranty does not cover damage due to misuse or battery leakage.

NON-WARRANTY SERVICE

Non-warranty service is available. The unit will be tested and evaluated for failure, and permission will be obtained prior to any repairs being performed.



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