

DBAL-PL



Technical Manual

TACTICAL PISTOL LASER/LIGHT

VISIBLE LASER POINTER / WHITE LIGHT LED 400 LUMENS / IR LASER / IR LED ILLUMINATOR

STEINER 
Nothing Escapes You

The NEW DBAL-PL is designed to attach to any MIL-STD-1913 pistol rail. The DBAL-PL allows operators to move seamlessly in low light with or without the use of night vision.

FEATURES INCLUDE:

- PATENT NO. 7,726,061
- Two operational Modes
- IR Mode: IR Pointer & IR Illuminator simultaneously
- Visible Mode: White light and visible laser simultaneously
- Fully adjustable windage & elevation
 - Co-aligned visible & IR aiming lasers
 - Low parallax design offers better shooting accuracy
 - Discreet push button activation
 - Easy access to battery compartment without removing from weapon
 - Meets MIL-STD-810G environmental testing
 - Made in the U.S.A.

MOUNTING TO WEAPON:

1. Ensure weapon is unloaded and magazine is removed prior to mounting unit.
2. Use provided screw driver to open mounting screw. Turn screw counter clockwise to open mount.
3. Install unit on to weapon.
4. Slide unit into desired position and turn mounting screw clockwise. Do not over tighten screw.

Ensure unit is attached firmly to weapon prior to shooting.



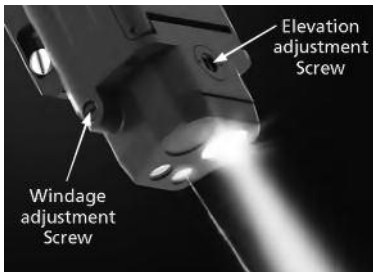
BATTERY INSTALLATION:

1. Install batteries prior to mounting on to weapon.
2. Firmly push on grooved area on latches and open battery lid.
3. Install batteries in correct orientation as marked on housing.
4. Close battery lid and firmly push on latches until properly engaged.
5. Do not use any tools to pry open latches or battery lid.



LASER ALIGNMENT WINDAGE/ELEVATION ADJUSTMENT:

1. Ensure weapon is unloaded and magazine is removed prior to adjusting windage/elevation.
2. Elevation adjustment is achieved by turning the screw on the bottom of the unit. Turning the screw clockwise moves the laser up, turning counter clock wise will move the laser down.
3. Windage adjustment is achieved by turning the screw on the left side of the unit. Turning the screw clockwise moves the laser to the right, turning counter clock wise will move the laser to the left.
4. Adjust laser into a desired location. Once alignment is achieved fire 5 rounds to settle laser movement. If laser moves out of alignment readjust according to steps 1, 2 and 3. Repeat this exercise until laser retention is achieved.



MAINTENANCE:

- Never use strong cleaners or solvents.
- Use soft towel and soapy water to clean external housing.
- Use damp towel to clean internal battery compartment. Excess moisture inside battery compartment may damage unit.
- Use alcohol and soft towel to clean front windows.

TACTICAL LIGHT SPECIFICATIONS:

Type: White Light LED

Lamp: Light Emitting Diode

Lumens: 400

Divergence: 22°

Peak Illuminance / Lumen M² @ 5m: 115 lux

Beam Profile: Flat Top

Range: 100 meters

Battery Life: 1.75 hours

VISIBLE LASER SPECIFICATIONS:

Type: Green or Red

Output (High/Low): <5 mW

Wavelength: 532 nm (green) /

635 nm (red)

FDA Class: IIIa

Divergence: 0.8 mRad

Range: 1500m (green) / 500 m (red)

Temperature: -40° to + 65°C

IR LASER SPECIFICATIONS:

Type: IR

Output: 0.7 mW

Wavelength: 850 nm

FDA Class: I

Divergence: 18°

Range: >250 meters

Temperature: -40° to + 65°C

IR ILLUMINATOR SPECIFICATIONS:

Type: IR LED

Output: 600 mW

Wavelength: 850 nm

FDA Class: Eye-Safe

Divergence: 0.8 mRad

Range: >250 meters

Temperature: -40° to + 65°C

ADDITIONAL SPECIFICATIONS:

Mount: Cross bolt grabber rail

Weight: 4.2 oz / 119.06 grams without batteries

Length: 3.46 in / 8.79 cm

Width: 1.63 in / 4.12 cm

Height: 1.32 in / 3.36 cm

Battery: 2 x CR 123A

Battery Life: 1.75 hours

Material: Anodized Aircraft Aluminum 6061-T6, MIL-SPEC Type III Hard Anodized

Environment: Waterproof to 20m

Warranty: 3 year



STEINER-OPTIK

331 East 8th Street • Greeley, CO 80631

Tel: (888) 228-7747 • Fax: (970) 356-8702

Customer Service: laserlightsinfo@steiner-optics.com

steiner-optics.com