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DEFENTAC DF-60

DEFENTAC DF-60 600 Lumens Pistol Light Laser Combo User Manual

Model: DF-60

1. Introduction

Thank you for choosing the DEFENTAC DF-60 Pistol Light Laser Combo. This device integrates a 600-lumen flashlight with a green laser sight, designed specifically for 1911 pistols without accessory rails. This manual provides detailed instructions for safe operation, installation, charging, and maintenance to ensure optimal performance and longevity of your device.

2. Safety Information

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in serious injury or property damage.

- **Laser Radiation:** Avoid direct eye exposure to the laser beam. The green laser output is less than 5mW, Class IIIA. Do not stare into the beam or view directly with optical instruments.
- **Firearm Safety:** Always follow all firearm safety rules. Ensure the firearm is unloaded and safe before installing, adjusting, or performing maintenance on the light/laser combo. Keep the firearm pointed in a safe direction.
- **Battery Safety:** This product contains a fully integrated, non-replaceable flat lithium polymer pouch cell. Do not attempt to open or replace the battery. Do not expose the device to extreme temperatures, direct sunlight, or fire.
- **Children:** Keep this product out of reach of children.
- **Maintenance:** Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.

3. Package Contents

Verify that all items listed below are included in your package:

- DEFENTAC DF-60 Pistol Light Laser Combo (600 Lumens) x 1
- Magnetic USB Charging Cable x 1
- Adjustment Tools (Allen Keys) x 2

- User Manual x 1



Image: Contents of the DEFENTAC DF-60 package, including the main unit, charging cable, adjustment tools, and user manual.

4. Product Features

- **High Brightness:** 600 Lumens maximum flashlight output.
- **Integrated Green Laser:** Class IIIA green laser for aiming.
- **Multi-Tactical Modes:** Constant On, Momentary On, and Strobe modes for both light and laser.
- **Magnetic USB Charging:** Convenient recharging without removal or re-zeroing.
- **Independent Main Power Switch:** Prevents accidental activation and extends standby time.
- **Adjustable Windage and Elevation:** For precise laser zeroing.
- **Durable Construction:** Made from nylon reinforced fiber material (polymer).
- **Water Resistance:** IPX4 rated.



Image: Overview of DEFENTAC DF-60 dimensions and key performance features.



Image: Visual representation of the multi-tactical modes available on the DF-60.

5. Compatibility

IMPORTANT: This device is NON-UNIVERSAL and is designed SOLELY for 1911 pistols with NO RAILS. It will not fit 1911 models with integrated accessory rails or other firearm types.



Image: Visual guide emphasizing the non-universal fit and specific compatibility with 1911 no-rail versions.

Confirmed compatible models include, but are not limited to:



Image: Detailed list of specific 1911 no-rail firearm models compatible with the DF-60.

6. Product Overview (Parts Diagram)



Image: Labeled diagram of the DEFENTAC DF-60 highlighting its various controls and features.

1. **Elevation Adjustment:** Adjusts vertical laser position.
2. **Charging Indicator:** LED shows charging status.
3. **Charging Port:** Magnetic connection for charging cable.
4. **Windage Adjustment:** Adjusts horizontal laser position.
5. **Flashlight Switch (Ambidextrous):** Activates flashlight modes.
6. **Laser Switch (Ambidextrous):** Activates laser modes.

7. **Laser Emitter:** Green laser output.
8. **Main Power Switch:** Master on/off for the unit.

7. Setup and Installation

Before installation, ensure your firearm is unloaded and safe.

1. **Prepare Firearm:** Verify the firearm is unloaded and the chamber is clear. Engage the safety.
2. **Position Device:** Align the DF-60 with the trigger guard of your 1911 no-rail pistol. The device is designed to clamp securely around the trigger guard.
3. **Secure Device:** Gently press the two halves of the DF-60 together around the trigger guard. Use the included small Phillips head screws (if applicable, some models may have integrated clamps) to secure the device. Do not overtighten. Ensure the device is firmly attached and does not wobble.
4. **Function Test:** With the firearm still unloaded and pointed in a safe direction, activate the main power switch and test the flashlight and laser functions.

8. Charging Instructions

The DF-60 features a built-in rechargeable battery and a magnetic charging system.

1. **Connect Cable:** Attach the magnetic end of the included USB charging cable to the charging port on the DF-60. The magnetic connector will snap into place.
2. **Power Source:** Plug the USB-A end of the charging cable into a standard USB power adapter (not included), computer USB port, or power bank.
3. **Charging Indicator:** The charging indicator LED will illuminate (typically red) during charging and change color (typically green or off) when fully charged.
4. **Charging Time:** A full charge typically takes a few hours. The battery can run for approximately 60 minutes with the flashlight only, or 6 hours with the green laser only.
5. **Note:** The device can be charged without removal from the firearm, preserving your laser's zero.

Image: Illustration of the magnetic charging process and the location of the independent main power switch.

9. Operating Instructions

The DF-60 features an independent main power switch and ambidextrous control buttons for the flashlight and laser.

1. **Main Power On/Off:**
    - Locate the main power switch (usually a toggle or slide switch) on the side or bottom of the unit.
    - Slide the switch to the "On" position to enable the device. Slide to "Off" to power down and prevent accidental activation.
2. **Flashlight Operation:**
    - **Constant On:** With the main power on, press and release either the left or right flashlight button once.
    - **Momentary On:** Press and hold either flashlight button. The light will stay on as long as the button is held and turn off upon release.
    - **Strobe Mode:** From the "Constant On" state, double-press either flashlight button quickly to activate strobe.

Double-press again to return to constant on, or single press to turn off.

3. **Laser Operation:**
    - **Constant On:** With the main power on, press and release either the left or right laser button once.
    - **Momentary On:** Press and hold either laser button. The laser will stay on as long as the button is held and turn off upon release.
    - **Strobe Mode:** From the "Constant On" state, double-press either laser button quickly to activate strobe. Double-press again to return to constant on, or single press to turn off.
4. **Combined Operation:** The flashlight and laser can be operated independently or simultaneously. For example, you can have the flashlight on constant and the laser on momentary.

10. Laser Adjustment (Zeroing)

Always perform laser adjustments in a safe environment, following all firearm safety rules. Ensure the firearm is unloaded and pointed in a safe direction.
The DF-60 laser sight is adjustable for both windage (horizontal) and elevation (vertical) to align with your firearm's point of impact.

1. **Identify Adjustment Screws:** Refer to the "Product Overview" diagram for the location of the Elevation and Windage adjustment screws.
2. **Use Allen Key:** Use the smaller Allen key provided to make adjustments.
3. **Elevation Adjustment:** Turning the elevation screw clockwise or counter-clockwise will move the laser dot up or down.
4. **Windage Adjustment:** Turning the windage screw clockwise or counter-clockwise will move the laser dot left or right.
5. **Interactive Adjustment:** Make small, incremental adjustments to one screw, then the other, until the laser dot aligns with your point of aim/impact. **Do not force the screws in only one direction**, as this may lock or damage the internal threads. Adjust interactively.
6. **Test and Refine:** After initial adjustments, test the alignment at your desired range and refine as necessary.

11. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. For the flashlight lens and laser emitter, use a lens cleaning cloth and solution designed for optics. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To maintain battery health, avoid fully discharging the battery frequently. Recharge the device when the battery level is low. If storing for extended periods, charge the battery to about 50% every few months.
- **Inspection:** Periodically check the mounting screws for tightness.

12. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Main power switch is off. Battery is depleted.	Ensure main power switch is "On". Charge the device fully.

Problem	Possible Cause	Solution
Flashlight/Laser is dim or flickers.	Low battery. Dirty lens/emitter.	Recharge the device. Clean the flashlight lens and laser emitter.
Laser does not hold zero.	Device not securely mounted. Adjustment screws loose.	Ensure the device is tightly secured to the firearm. Re-zero the laser.
Magnetic charger does not connect or charge.	Debris on charging contacts. Cable or power source issue.	Clean charging contacts on device and cable. Try a different USB port or power adapter.

13. Specifications

Model Name:	DF-60
Flashlight Output:	600 Lumens (Max)
Laser Type:	Green Laser, Class IIIA (<5mW)
Material:	Nylon Reinforced Fiber (Polymer), Aluminum
Dimensions (L x W x H):	2.5" x 1.1" x 1.7"
Battery Type:	Integrated, non-replaceable Lithium Polymer
Run Time (Flashlight Only):	Approx. 60 minutes
Run Time (Laser Only):	Approx. 6 hours
Water Resistance:	IPX4
Compatibility:	1911 No-Rails Version Only

14. Warranty and Support

This DEFENTAC product comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use.
The warranty does not cover:

- Damage caused by misuse, abuse, accident, or neglect.
- Unauthorized repair or modification.
- Normal wear and tear.
- Damage from improper installation or operation.

For warranty claims or technical support, please contact DEFENTAC customer service through the retailer where the product was purchased or visit the official DEFENTAC website for contact information.
DEFENTAC Store Link: Visit the DEFENTAC Store on Amazon

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