DEFENTAC DF-9099L

DEFENTAC DF-9099L Pistol Light Laser Combo with HD 1080P Camera User Manual

Model: DF-9099L

1. Introduction

Thank you for choosing the DEFENTAC DF-9099L Pistol Light Laser Combo with HD 1080P Camera. This device integrates a 500 lumens tactical flashlight, an adjustable green laser sight, and a 1080P HD camera with voice recording capabilities. It is designed for compatibility with Picatinny rails, offering a versatile solution for various applications. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance and longevity of your device.



Figure 1: Overview of the DEFENTAC DF-9099L device, highlighting its compact dimensions and integrated features including flashlight, laser, and camera.

2. Included Components

Please verify that all items are present in the package:

- Pistol Light Laser Combo with HD Camera (1 unit)
- Charging Cable (1 unit)
- User Manual (1 unit)
- Adjustment Toolings (2 units)



Figure 2: All components included with the DEFENTAC DF-9099L.

3. Setup

3.1 Mounting the Device

The DEFENTAC DF-9099L is designed for secure attachment to Picatinny rails. Ensure the rail system on your device is clean and free of obstructions before mounting.

1. Align the adjustable rail system of the DF-9099L with the Picatinny rail on your firearm.
2. Slide the device onto the rail until it is in the desired position.
3. Tighten the mounting screw securely using the provided tooling to prevent movement during use. Do not overtighten.

3.2 Charging the Battery

The device contains a fully integrated, non-replaceable flat lithium polymer pouch cell. Charge the device using the included USB cable.

1. Locate the Charging/Data Port on the device.
2. Connect the included USB cable to the device and a compatible USB power source.
3. The Power Indicator will illuminate during charging. Refer to the specifications for typical charging times.



Figure 3: Key features and ports of the DEFENTAC DF-9099L.

4. Operating Instructions

4.1 Flashlight Operation

The flashlight offers multiple modes:

- **Momentary On:** Press and hold the Light Switch. Release to turn off.
- **Constant On:** Click the Light Switch once. Click again to turn off.
- **Strobe:** Double-click the Light Switch. Click once to turn off.

4.2 Laser Sight Operation and Adjustment

The green laser sight can be activated independently or in conjunction with the flashlight.

- **Activation:** Use the Laser Switch to turn the laser on or off.
- **Adjustment:** The pistol laser sight is adjustable for elevation and windage to maintain zero.

Important Laser Adjustment Note: Slowly tune Elevation and Windage interactively with the included tooling. Adjusting only one direction excessively may lock or damage the adjustment screws. The green laser output is less than 5mW, 520nm, and is classified as Class IIIA.

4.3 Camera Operation (HD 1080P with Voice)

The integrated camera allows for HD 1080P video recording with voice. The camera has a built-in 16GB memory card.

1. **Activation Sequence:** The camera requires an 8-second activation process (3 seconds for camera switch + 5 seconds for booting).
2. **On/Off:** Press and hold the camera switch for 3 seconds. The camera will begin its 5-second booting process, indicated by a blue light. Once the blue indicator starts flashing, video recording is in progress.
3. **Pause/Resume Recording:** Click the camera switch once to pause recording (indicator will be solid blue). Click again to resume recording (indicator will flash blue).



Figure 4: Simple DV (Digital Video) operation controls.

4.4 Data Transfer

To access recorded video files:

1. Use the included USB cable to connect the camera to your computer.
2. The device will appear as a removable storage device.
3. Navigate to the device's storage to find and transfer your recording video files.



Figure 5: Flashlight, DV Recording, and Laser Sight in operation.

5. Maintenance

Proper maintenance ensures the longevity and reliability of your DEFENTAC DF-9099L.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents.
- **Lens Care:** Gently wipe the flashlight and camera lenses with a microfiber cloth to remove dust or smudges.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the battery regularly, even if the device is not in frequent use, to maintain battery health.

6. Troubleshooting

If you encounter issues with your DEFENTAC DF-9099L, please refer to the following common solutions:

- **Device Not Turning On:** Ensure the battery is fully charged. Connect the device to the charging cable and allow it to charge for at least 30 minutes before attempting to power on again.

- **Laser Not Visible/Weak:** Check battery level. If the laser sight does not hold zero, ensure the adjustment screws are properly tightened and re-zero the laser carefully following the adjustment instructions.
- **Camera Not Recording:** Ensure the camera is fully booted (blue indicator flashing). If issues persist, try performing a camera reset using the reset button (refer to Figure 3).
- **Cannot Transfer Files:** Ensure the USB cable is securely connected to both the device and the computer. Try a different USB port or cable if necessary.

For further assistance, please contact DEFENTAC customer support.

7. Specifications

Feature	Specification
Brand	DEFENTAC
Model Name	DF-9099L
Flashlight Max Output	500 Lumens
Camera Resolution	1080P HD
Laser Type	Green Laser, <5mW, 520nm, Class IIIA
Memory Card	Built-in 16GB
Run Time (Light)	2 hours
Run Time (Camera)	2.5 hours
Run Time (Laser)	7 hours
Beam Distance (Light)	100 meters
Beam Distance (Laser)	200-2000 meters
Weight	22.68 g
Dimensions (L x W x H)	2.76" x 1.38" x 1.46"
Material	Aluminum, Polymer
Mounting Type	Picatinny Mount
Battery Type	Integrated, non-replaceable lithium polymer pouch cell

8. Warranty & Support

The DEFENTAC DF-9099L comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

For warranty claims, technical support, or any questions regarding your product, please contact DEFENTAC customer service through the retailer where the product was purchased or visit the official DEFENTAC website for contact

information.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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