

Pard FD1-850

PARD FD1-850 Night Vision Monocular Instruction Manual

Model: FD1-850 | Brand: Pard

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your PARD FD1-850 Night Vision Monocular. Please read this manual thoroughly before operating the device to ensure proper functionality and to prevent damage. The PARD FD1-850 is a versatile digital night vision device designed for various applications, including observation, hunting, and security. It features a 2K sensor, OLED display, and can function as a front clip-on, a standalone monocular, or a digital scope.

KEY FEATURES

- **Three-in-One Functionality:** Operates as a front clip-on night vision device, a standalone night vision monocular, or a digital scope.
- **Quick Attachment and Detachment:** Designed for rapid mounting and removal from traditional optical scopes using a 63mm quick-release adapter (included).
- **High-Resolution Display and Sensor:** Features a 1440x1080 OLED display and a 1920x1080 CMOS sensor with 0.001 lux sensitivity for clear imaging in low light.
- **Adjustable IR Illuminator:** Equipped with a 350-meter infrared illuminator with three adjustable levels (850nm for brighter, longer range; 940nm for stealth).
- **Compact and Lightweight:** Weighs approximately 328 grams, making it portable and ergonomic.
- **Video Recording and Wi-Fi:** Allows for video recording and connectivity via Wi-Fi for data transfer.
- **Waterproof Design:** Ensures reliable performance in various weather conditions.

PARD

FD1/FD1-LRF

Night Vision Scope



3-in-1
Diverse Uses and Functions

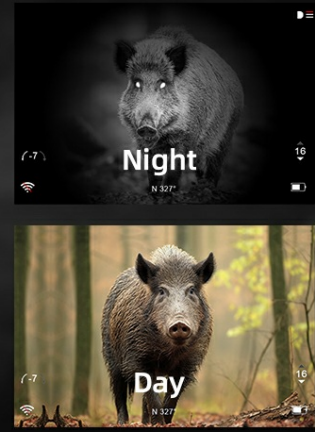


Image: The PARD FD1/FD1-LRF Night Vision Scope illustrating its versatile 3-in-1 functionality as a clip-on, monocular, and digital scope.

SETUP

Package Contents

Before proceeding, ensure all items are present in the package:

- PARD FD1-850 Night Vision Monocular
- 63mm Quick-Release Adapter
- USB Cable
- Hex Wrenches
- Rubber Eyecup
- Carrying Pouch
- Quick Start Guide
- Warranty Card



Image: Contents of the PARD FD1-850 package, including the device, quick-release adapter, cables, tools, and documentation.

Battery Installation

1. Locate the battery compartment on the device.
2. Open the compartment cover.
3. Insert a fully charged 18650 battery (not included) according to the polarity indicators.
4. Securely close the battery compartment cover.

Mounting as a Front Clip-on

1. Ensure your traditional optical scope is properly mounted and zeroed.
2. Attach the 63mm quick-release adapter to the objective lens of your optical scope. Ensure it is securely fastened.
3. Slide the PARD FD1-850 onto the quick-release adapter until it clicks into place.
4. Verify that the device is firmly attached and aligned with your optical scope.



Image: The PARD FD1-850 Night Vision Monocular attached as a front clip-on to a rifle scope, demonstrating its mounting configuration.



Image: Illustration of the quick attachment and detachment mechanism for the PARD FD1-850, highlighting its ease of use.

OPERATING INSTRUCTIONS

Power On/Off

- To power on, press and hold the power button until the display illuminates.
- To power off, press and hold the power button until the display shuts down.

Mode Selection (Day/Night)

The device automatically adjusts to ambient light conditions. You can manually switch between day and night modes if needed.



Image: Comparison of day and night vision modes on the PARD FD1-850, showing clear visibility in both conditions.

IR Illuminator Adjustment

The integrated IR illuminator has three adjustable levels to suit different distances and stealth requirements.

1. Press the IR button to cycle through IR levels (IR I, IR II, IR III).
2. Select the appropriate IR level for your viewing distance.
3. For maximum stealth, use the 940nm IR option (if available on your model) as it is less visible to animals.



Image: The PARD FD1-850's adjustable IR illuminator, demonstrating its three intensity levels for varying light conditions and distances.

Ballistic Calculator (FD1-LRF models only)

This PARD FD1-850 model does **not** include a Laser Range Finder (LRF) or ballistic calculation capabilities. For models equipped with these features, the ballistic calculator assists in improving shooting accuracy by calculating trajectory parameters such as velocity, weight, and zero range.



Image: Visual representation of the PARD FD1-LRF's ballistic calculator, showing trajectory compensation for accurate targeting. *Note: This feature is not available on the FD1-850 no LRF model.*

Video Recording and Wi-Fi

- To start/stop video recording, press the dedicated record button.
- Videos are saved to an inserted microSD card (not included).
- Activate Wi-Fi in the settings menu to connect to a smartphone or tablet for live view and file transfer using the PARD Vision app.

MAINTENANCE

Cleaning

- Use a soft, lint-free cloth to clean the exterior of the device.
- For lenses, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- Do not use harsh chemicals or solvents.

Storage

- Store the device in a cool, dry place away from direct sunlight.
- Remove batteries if storing for extended periods to prevent leakage.
- Use the provided carrying pouch for protection during transport.

Battery Care

- Use only recommended 18650 batteries.
- Charge batteries fully before use.
- Avoid overcharging or completely draining batteries.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead battery; incorrectly installed battery.	Charge or replace battery; ensure correct polarity.
Poor image quality.	Dirty lens; insufficient IR illumination; incorrect focus.	Clean lenses; adjust IR level; adjust focus ring.
Wi-Fi connection issues.	Wi-Fi not enabled; incorrect app settings; device too far from smartphone.	Enable Wi-Fi on device; check app settings; move closer to device.
Video recording not working.	No microSD card; full microSD card; card error.	Insert microSD card; delete old files; format card (backup data first).

SPECIFICATIONS

Feature	Detail
Brand	Pard
Model Name	FD1-850
Color	Black
Product Dimensions (LxWxH)	11.5L x 7.5W x 5.2H cm
Item Weight	328 Grams
Material	Aluminum
Compatible Devices	Rifle, Pistol
Mounting Type	Clip Mount
Night Vision Capability	Yes
Reticle Type	Standard Reticle
IR Illuminator Range	Up to 350 meters
Display Resolution	1440x1080 (OLED)
Sensor Resolution	1920x1080 (CMOS)
Sensor Sensitivity	0.001 lux
Country of Origin	China

WARRANTY AND SUPPORT

Product Warranty

The PARD FD1-850 Night Vision Monocular comes with a **1-year product warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

EU spare parts availability is guaranteed for 2 years.

Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact PARD customer support through their official website or the retailer where the product was purchased.

Note: Unauthorized disassembly or modification of the device will void the warranty.