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GeowFiiTech M45PRO

GeowFiiTech M45 Pro Night Vision Goggles Instruction Manual

1. INTRODUCTION

Thank you for choosing the GeowFiiTech M45 Pro Night Vision Goggles. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

Upon unpacking, please verify that all the following items are included:

- GeowFiiTech M45 Pro Night Vision Goggles
- 32GB Memory Card
- Neck Strap
- Protective Case
- USB Data Transfer/Charging Cable (Type-C)
- Cleaning Cloth
- Multi-language Manual (this document)



Image 2.1: The GeowFiiTech M45 Pro Night Vision Goggles shown with its protective case, 32GB memory card, and charging cable.

2.2 Device Components

Familiarize yourself with the main components of your night vision goggles:

- **Objective Lenses:** Front lenses for capturing light.
- **Focus Rings:** Adjustable rings around the objective lenses for sharpening the image.
- **Infrared (IR) Illuminator:** Emits infrared light for enhanced vision in darkness.
- **Display Screen:** 4.5-inch IPS FHD screen for viewing images and videos.
- **Control Buttons:** Various buttons for power, mode selection, zoom, IR level adjustment, and menu navigation.
- **Battery Compartment:** Houses the rechargeable lithium-ion battery.
- **Memory Card Slot:** For inserting the 32GB memory card.
- **USB-C Port:** For charging and data transfer.
- **Tripod Mount:** Standard thread for attaching to a tripod.

M45 Pro



GeowFiiTech Design

Image 2.2: Side view of the device, highlighting the control buttons for various functions.



Image 2.3: Top view of the night vision goggles, illustrating the arrangement of the control buttons.

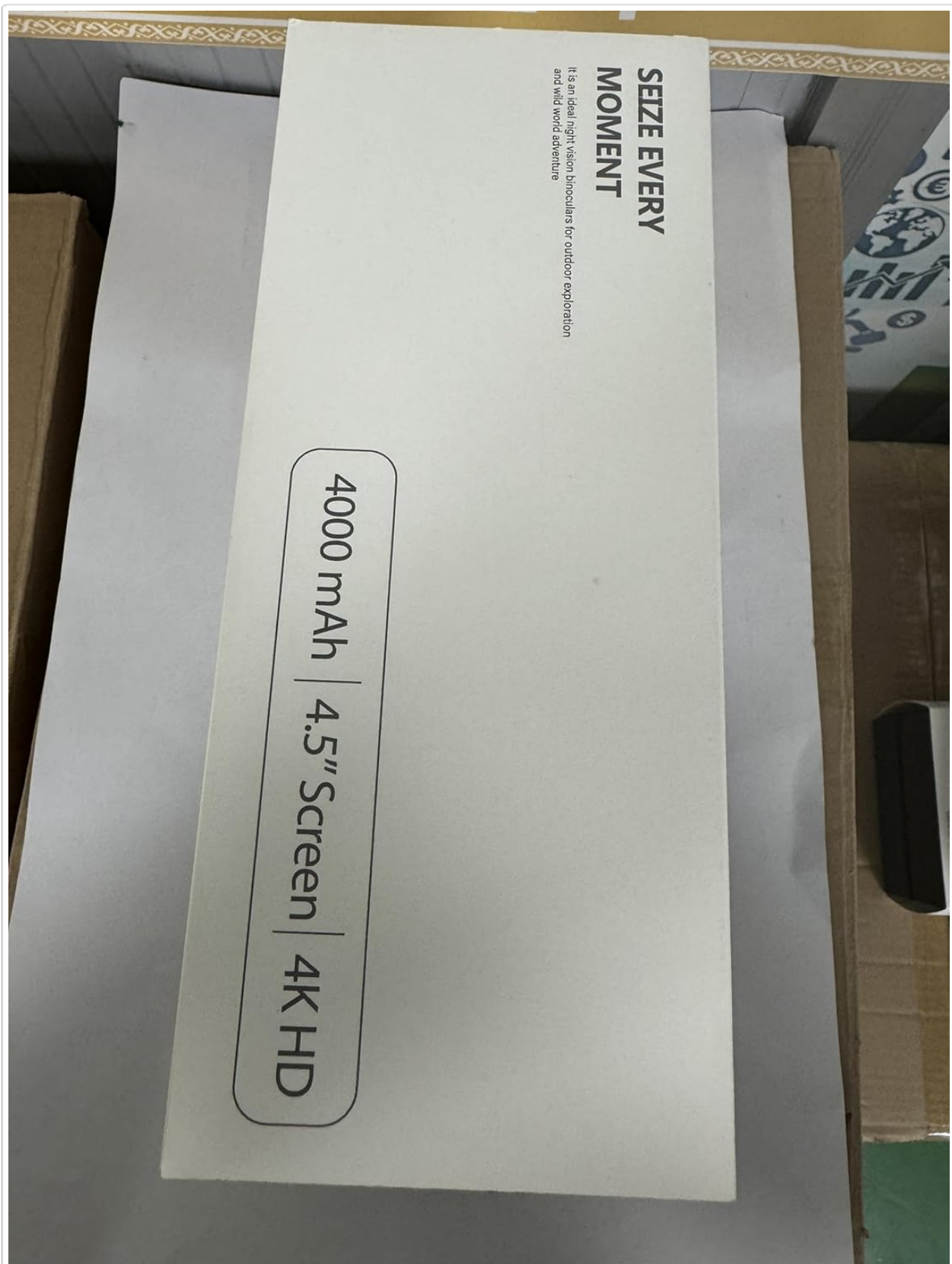


Image 2.4: Front view of the device, displaying the objective lenses and their adjustable focus rings labeled 'FAR' and 'NEAR'.

M45 Pro NIGHT VISION

Always following closely the new changes and demands of the market and customers, GeowFiTech actively develop and upgrade products to better cater to outdoor enthusiasts. We constantly seek breakthroughs, attach importance to product performance, and develop better lenses that combine practicality and cost effectiveness. GeowFiTech M45 Pro is our new breakthrough product, configured with our self-developed lens, larger and better display screen, making the daytime and night vision effect a better visual experience. Let's try it!



Product Name: Night Vision Binoculars
Model: M45 Pro
Brand: GeowFiTech
Email: geowfi@foxmail.com



Produktname: Nachtsichtgerät
Modell: M45 Pro
Marke: GeowFiTech
Email: geowfi@foxmail.com



Nom du produit: Jumelle Vision Nocturne
Modèle: M45 Pro
Marque: GeowFiTech
Email: geowfi@foxmail.com



Nome prodotto: Binocolo Visione Notturna
Modello: M45 Pro
Marca: GeowFiTech
Email: geowfi@foxmail.com



Nombre del producto: Binoculares Visión Nocturna
Modelo: M45 Pro
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X001LJ086F

Jumelle Vision Nocturne...obscurité, Carte 32 Go
New MADE IN CHINA
Manufacture Date : July/25/2024

FC CE RoHS



MADE IN CHINA
FABRIQUÉ EN CHINE
IN CHINA HERGESTELLT
FATTO IN CINA
HECHO EN CHINA

Image 2.5: Rear view of the night vision goggles, featuring the large 4.5-inch display screen.

3. SETUP

3.1 Charging the Battery

The M45 Pro is equipped with a 4000mAh rechargeable lithium-ion battery. Before first use, fully charge the device.

1. Connect the provided Type-C USB cable to the device's USB-C port.

2. Connect the other end of the USB cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
3. The charging indicator will illuminate. Once fully charged, the indicator may change color or turn off, depending on the device's design.
4. A full charge provides approximately 20 hours of operation with IR off, and 7 hours with IR on.

DAY TIME

NIGHT TIME

REC
00:05:10

4K

20H work time for IR OFF

7H work time for IR ON

4000mAh

Rechargeable Battery

Extend your exploration time in the wild world

Image 3.1: Visual representation of the 4000mAh rechargeable battery's operational duration, showing 20 hours without IR and 7 hours with IR activated.

3.2 Inserting the Memory Card

A 32GB memory card is included for storing photos and videos.

1. Locate the memory card slot on the device.
2. Insert the 32GB memory card into the slot with the correct orientation until it clicks into place.
3. To remove, gently press the card inward until it springs out.

3.3 Powering On/Off

- **To Power On:** Press and hold the Power button until the display screen illuminates.
- **To Power Off:** Press and hold the Power button until the display screen turns off.

4. OPERATING INSTRUCTIONS

4.1 Mode Selection

The M45 Pro features three primary modes: Photo, Video, and Playback. Use the Mode button to cycle through these options.

- **Photo Mode:** For capturing still images.
- **Video Mode:** For recording video footage.
- **Playback Mode:** For reviewing captured photos and videos.



Image 4.1: Depiction of the device's capability to capture 4K resolution video and 40-megapixel still images.

4.2 Adjusting Infrared (IR) Levels

The integrated 850nm IR illuminator has 7 adjustable levels to optimize visibility in varying low-light conditions, including complete darkness.

1. In Photo or Video mode, press the IR button to activate the infrared illuminator.
2. Continue pressing the IR button to cycle through the 7 intensity levels. Higher levels provide greater visibility in darker environments but consume more battery power.

3. Observe the display to select the appropriate IR level for your viewing conditions.



SEE CLEARLY IN 100% DARKNESS

The performance of the self-developed 25mm lens breaks through the general lens in the market, which will not let you down. Equipped with 7 adjustable levels, you can adjust the IR level and aperture to meet your needs during the night observation.

SELF-DEVELOPED LENS

🌀 Adjustable Aperture 🌞 7 Levels Adjustment



1 LEVEL 4 LEVEL 7 LEVEL

Image 4.2: This image illustrates the 7 adjustable infrared (IR) levels and the device's objective lens, demonstrating how IR intensity can be varied for different viewing conditions.

4.3 Digital Zoom

The device features an 8X digital zoom to bring distant objects closer.

- While in Photo or Video mode, use the Zoom In/Out buttons (often marked with '+' and '-') to adjust the magnification.
- Increasing digital zoom may reduce image clarity.



Image 4.3: This image visually represents the 8X digital zoom function, showing how the device can magnify distant subjects.

4.4 Focusing the Image

To achieve a clear image, adjust the focus rings on the objective lenses.

- Rotate the focus rings (labeled 'FAR' and 'NEAR') on the objective lenses until the image on the display screen appears sharp.
- Adjusting focus is crucial for both day and night viewing, especially after changing viewing distance or zoom level.

4.5 Day and Night Use

The M45 Pro is designed for both daytime and nighttime observation.

- **Daytime:** The device captures full-color images and videos. IR illumination is not required and should be turned off to conserve battery.
- **Nighttime:** The device automatically switches to black and white imaging. Activate and adjust the IR illuminator for clear vision in low light or complete darkness.

4.6 Capturing Photos and Videos

- **To take a Photo:** Select Photo Mode. Frame your subject on the display. Press the Shutter/OK button to capture the image.
- **To record a Video:** Select Video Mode. Press the Shutter/OK button once to start recording. Press it again to stop recording. A recording indicator will typically appear on the screen.

4.7 Playback

To review your captured media:

- Enter Playback Mode using the Mode button.
- Use the navigation buttons (e.g., Up/Down or Left/Right) to browse through your photos and videos.
- Press the Shutter/OK button to view a selected item (e.g., play a video).
- Use the Menu button to access options like deleting files.

GeowFiiTM M45 Pro **4.5"**
See Farther and Clearer
 Photograph Video Playback **HD SCREEN**

4.5"

EXCELLENCE 4.5" Excellent Visual Experience
ENLARGE SCREEN

- Not magnifying the screen with a magnifying glass
- Almost achieve mobile phone screen texture
- The largest screen on the market

Image 4.4: The 4.5-inch IPS FHD display screen, providing a clear interface for viewing and navigating captured media.

5. MAINTENANCE

5.1 Cleaning

- Use the provided cleaning cloth to gently wipe the lenses and display screen. Avoid using abrasive materials or harsh chemicals.
- For stubborn dirt, a lens cleaning solution specifically designed for optics can be used with the cleaning cloth.
- Wipe the body of the device with a soft, dry cloth.

5.2 Storage

- Store the device in its protective case when not in use to prevent dust and scratches.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) and recharge it every few months to maintain battery health.

6. TROUBLESHOOTING

If you encounter issues with your GeowFiiTech M45 Pro, refer to the following common problems and solutions:

- **Device does not power on:** Ensure the battery is fully charged. If the issue persists, try connecting to a power source to see if it powers on while charging.
- **Blurry image:** Adjust the focus rings on the objective lenses. Ensure the lenses are clean.
- **No image in darkness:** Ensure the IR illuminator is activated and set to an appropriate level. Check battery charge.
- **Memory card error:** Ensure the memory card is inserted correctly. Try reformatting the card (this will erase all data) or using a different compatible memory card.
- **Buttons unresponsive:** Try restarting the device. If the problem continues, ensure the battery is adequately charged.

For issues not covered here, please contact GeowFiiTech customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	M45PRO
Brand	GeowFiiTech
Night Vision	Yes
Objective Lens Diameter	25 Millimeters
Minimum Magnification	8 x (Digital Zoom)
IR Illuminator	850nm, 7 adjustable levels
Viewing Range	Up to 984ft (300m) in 100% darkness
Display Screen	4.5-inch IPS FHD
Video Resolution	4K

Feature	Specification
Image Resolution	Up to 40MP
Battery	1 Lithium Ion (4000mAh, included)
Battery Life	Approx. 20H (IR off), 7H (IR on)
Memory Card	32GB (included)
Material	Aluminum
Mounting Type	Tripod Mount
Compatible Devices	Rifle, bow (as per product listing, for mounting purposes)
Package Dimensions	24.2 x 19.1 x 9.2 cm
Item Weight	1.05 kg

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official GeowFiiTech website. Keep your proof of purchase for warranty claims.