

OM SYSTEM TG-870

OM SYSTEM Olympus TG-870 Digital Camera User Manual

Model: TG-870

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your OM SYSTEM Olympus TG-870 Tough Waterproof Digital Camera. The TG-870 is designed for durability and performance in challenging environments, featuring robust construction that is waterproof to 50 feet (15 meters), shockproof to 7 feet (2.1 meters), crushproof to 220 pounds force, and freezeproof to 14 degrees F (-10C). It combines advanced imaging capabilities with integrated connectivity for versatile photography.



Figure 1: OM SYSTEM Olympus TG-870 Tough Waterproof Digital Camera (Green)

2. SETUP

2.1. Unpacking and Initial Inspection

Carefully unpack all components. Ensure the following items are present:

- TG-870 camera
- LI-50B battery
- CB-USB8 cable
- F-5AC adapter
- Camera strap
- Set-Up manual
- Set-Up CD
- Quick Start Guide

Inspect the camera and accessories for any signs of damage.

2.2. Battery Installation and Charging

1. Open the battery compartment cover on the side of the camera.
2. Insert the LI-50B battery, ensuring correct orientation as indicated inside the compartment.
3. Close the battery compartment cover securely until it clicks.
4. Connect the camera to the F-5AC adapter using the CB-USB8 cable.
5. Plug the adapter into a power outlet to charge the battery. The charging indicator will illuminate.
6. Charging is complete when the indicator light turns off.

2.3. Memory Card Insertion

The camera supports SDXC flash memory cards.

1. Open the memory card slot cover, usually located near the battery compartment.
2. Insert the SDXC card with the label facing the front of the camera until it clicks into place.
3. Close the memory card slot cover securely.

2.4. Initial Power On and Settings

Press the power button to turn on the camera. Follow the on-screen prompts to set the date, time, and language.

3. OPERATING THE CAMERA

3.1. Basic Photography Modes

The TG-870 offers various shooting modes to suit different scenarios. Use the mode dial or menu to select:

- **Automatic:** For general point-and-shoot convenience.
- **Program (P):** Allows control over some settings while the camera sets exposure.
- **Aperture Priority (Av or A):** Manually set aperture, camera adjusts shutter speed.
- **Shutter Priority (Tv or S):** Manually set shutter speed, camera adjusts aperture.
- **Manual (M):** Full manual control over aperture and shutter speed.
- **Custom:** Save and recall your preferred settings.
- **Scene Modes:** Easy, Landscape, Macro, Movie, Panorama, Portrait, Sports, Underwater.

To take a photo, press the shutter button halfway to focus, then press fully to capture the image.

3.2. Zoom Functionality

The camera features a 21mm ultra-wide-angle lens with 5x optical zoom and 4x digital zoom. Use the zoom lever (typically around the shutter button) to adjust the focal length.

3.3. Waterproof and Shockproof Use

The TG-870 is waterproof to 50 feet (15 meters) and shockproof to 7 feet (2.1 meters). Ensure all compartment covers (battery, memory card, USB/HDMI ports) are securely closed before exposing the camera to water or impact. After underwater use, rinse the camera with fresh water and dry thoroughly.



Figure 2: The TG-870 camera demonstrating its freeze-proof capability.

3.4. Wi-Fi and GPS Functions

The camera includes built-in Wi-Fi and GPS.

- **Wi-Fi (OI Share):** Connect to a smartphone or tablet using the Olympus Image Share (OI Share) app to transfer images, remotely control the camera, and share photos instantly.
- **GPS (OI Track):** Automatically embed location data into your photos, allowing you to track your adventures.

3.5. Creative Features

- **Art Filters:** Apply 13 different art filters to your photos for unique creative effects directly in-camera.
- **Live Composite:** Ideal for night photography, this mode captures multiple exposures and combines only the brighter areas, perfect for star trails or light painting without overexposing the background.
- **Selfie-Friendly Flip-Up Screen:** The tilting LCD screen allows for easy self-portraits and shooting from various angles.



Figure 3: Rear view of the TG-870, highlighting the tilting LCD screen and control layout.

4. MAINTENANCE

4.1. Cleaning the Camera

- **Camera Body:** Wipe with a soft, damp cloth. For stubborn dirt, use a mild detergent solution.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a microfiber lens cloth. Avoid touching the lens surface with fingers.
- **LCD Screen:** Use a soft, dry cloth. For smudges, a specialized LCD cleaning solution can be used sparingly.

4.2. Waterproof Seal Care

To maintain the camera's waterproof integrity, regularly inspect the rubber seals around the battery/card compartment and port covers for dirt, sand, or damage. Clean seals with a soft, lint-free cloth. Do not use sharp objects or solvents.

4.3. Battery Care and Storage

Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery for extended periods. For long-term storage, charge the battery to approximately 50%. If the camera will not be used for an extended period, remove the battery.

5. TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is correctly inserted and fully charged.
- **Cannot take photos:** Check if a memory card is inserted and has sufficient free space. Ensure the lens cap (if any) is removed.
- **Images are blurry:** Check focus settings. Ensure the lens is clean. Use image stabilization if available.
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on the camera and your smart device. Restart both devices.
- **Water leakage:** Immediately power off the camera, remove the battery and memory card, and contact customer support. Ensure all covers were properly sealed before water exposure.

6. SPECIFICATIONS

Feature	Detail
Brand	OM SYSTEM

Model Name	Tough (TG-870)
Photo Sensor Resolution	16 MP
Optical Zoom	5x
Digital Zoom	4x
Lens Type	Wide Angle (21mm Ultra-Wide Angle Lens)
Waterproof Rating	50 feet (15 meters)
Shockproof Rating	7 feet (2.1 meters)
Freeze proof	To 14 degrees F (-10C)
Crushproof	To 220 pounds force
Connectivity	Wi-Fi, GPS, USB 2.0, HDMI Type D Micro
Screen Size	3 Inches (Tilting LCD)
Video Resolution	1080p
Supported File Format	JPEG, RAW
Memory Card Type	SDXC
Item Weight	7.84 ounces

7. WARRANTY INFORMATION

The OM SYSTEM Olympus TG-870 camera comes with a **1-year warranty** covering both labor and parts from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty covers manufacturing defects and does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

8. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please refer to the official OM SYSTEM website or contact their customer service department. Detailed contact information can typically be found in the included Quick Start Guide or on the manufacturer's website.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question