

Panasonic DMC-G1

Panasonic Lumix DMC-G1 Digital Camera User Manual

Model: DMC-G1

1. INTRODUCTION TO THE PANASONIC LUMIX DMC-G1

The Panasonic Lumix DMC-G1 is an ultra-compact digital interchangeable lens camera, designed to offer the ease of use of a compact digital camera with the versatility of interchangeable lenses. As the world's first Micro Four Thirds camera, it features a 12.1-megapixel 4/3-type MOS sensor and a Full-time Live View system. This manual provides essential information for setting up, operating, and maintaining your DMC-G1 camera.

Key features include:

- 12.1-megapixel 4/3-type MOS sensor.
- Includes Lumix G Vario 14-45 mm F3.5-5.6 ASPH. Mega OIS lens.
- Live View Finder and a bright 460,000-dot resolution, 3.0-inch LCD.
- Contrast AF (Auto Focus) function with Face Detection and Intelligent Auto (iA) mode.
- Records images to SD/SDHC/Multimedia cards.

2. SETUP GUIDE

2.1 Unboxing and Package Contents

Before beginning, ensure all components are present in the package:

- Panasonic Lumix DMC-G1 Camera Body
- Lumix G Vario 14-45mm f/3.5-5.6 ASPH. Lens
- Battery
- Battery Charger
- Body Cap
- Lens Cap
- Remote (if included with specific kit)

2.2 Attaching the Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the white mounting mark on the lens with the white mounting mark on the camera body.
3. Rotate the lens clockwise until it clicks into place.

4. Remove the front lens cap.



Figure 2.2.1: The Panasonic Lumix DMC-G1 camera with the 14-45mm lens attached. This image shows the camera body and the lens, ready for use.

2.3 Inserting the Battery and Memory Card

1. Open the battery/card compartment cover on the bottom of the camera.
2. Insert the charged battery with the correct orientation until it locks into place.
3. Insert an SD/SDHC memory card into the card slot with the label facing the front of the camera until it clicks.
4. Close the compartment cover securely.

Note: Ensure the battery is fully charged before first use.

3. OPERATING THE CAMERA

3.1 Powering On and Initial Settings

To power on the camera, slide the power switch located on the top plate. Upon first power-on, you may be prompted to set the date, time, and language. Follow the on-screen instructions using the control dial and directional buttons.



Figure 3.1.1: A detailed view of the top of the DMC-G1, highlighting the power switch and mode dial for selecting shooting modes.

3.2 Basic Shooting Modes

The mode dial on the top of the camera allows you to select various shooting modes:

- **IA (Intelligent Auto):** The camera automatically detects the scene and adjusts settings for optimal results. Ideal for beginners.
- **P (Program AE):** The camera sets both aperture and shutter speed, but you can shift the combination.
- **A (Aperture Priority AE):** You set the aperture, and the camera sets the shutter speed. Useful for controlling depth of field.
- **S (Shutter Priority AE):** You set the shutter speed, and the camera sets the aperture. Useful for controlling motion blur.
- **M (Manual Exposure):** You control both aperture and shutter speed.
- **Scene Modes:** Pre-set modes for specific situations (e.g., Portrait, Landscape, Sports).

3.3 Focusing and Image Stabilization

The DMC-G1 utilizes a Contrast AF system. To focus, half-press the shutter button. The camera will automatically detect faces or focus on the central area. The Lumix G Vario 14-45mm lens includes MEGA O.I.S. (Optical Image Stabilizer). Ensure the O.I.S. switch on the lens barrel is set to "ON" to reduce blur caused by camera shake, especially in low light or with longer focal lengths.



Figure 3.3.1: Close-up of the Lumix G Vario 14-45mm lens, showing the MEGA O.I.S. ON/OFF switch on the side of the lens barrel.

3.4 Using the Live View Finder and LCD

The camera features both an electronic Live View Finder (EVF) and a 3.0-inch vari-angle LCD monitor. You can switch between the EVF and LCD using the dedicated button or by setting the camera to automatically switch when you bring your eye to the viewfinder. The vari-angle LCD can be rotated for flexible shooting angles.

3.5 Taking a Picture

1. Select your desired shooting mode using the mode dial.
2. Frame your shot using either the EVF or the LCD monitor.
3. Half-press the shutter button to focus. The focus area will illuminate when focus is achieved.
4. Fully press the shutter button to take the picture.

4. MAINTENANCE

4.1 Cleaning the Camera and Lens

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water. Avoid using organic solvents.
- **Lens:** Use a lens blower brush to remove dust. For smudges, use a specialized lens cleaning solution and a microfiber lens cloth. Never touch the lens surface with your fingers.
- **Sensor:** Cleaning the image sensor should be done with extreme care. If dust spots appear on images, it is recommended to have the sensor professionally cleaned by a Panasonic service center.

4.2 Battery Care

- Always use the genuine Panasonic battery and charger.
- Store batteries in a cool, dry place when not in use.
- Avoid exposing batteries to extreme temperatures.
- If the camera will not be used for an extended period, remove the battery.

4.3 Storage

Store the camera in a dry, well-ventilated area, away from direct sunlight and high humidity. Use a camera bag to protect it from dust and physical impact.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Ensure battery is charged and inserted correctly. Try a fully charged spare battery.
Images are blurry.	Camera shake, incorrect focus, or dirty lens.	Hold the camera steady, use O.I.S., ensure proper focus, and clean the lens. Check shutter speed.
Memory card error message.	Card is full, corrupted, or incompatible.	Delete unnecessary files, format the card (this will erase all data), or try a different compatible SD/SDHC card.
Flash does not fire.	Flash mode is set to OFF or insufficient light for flash.	Check flash settings. Ensure the flash unit is popped up if applicable.

6. SPECIFICATIONS

Feature	Detail
Model Name	DMC-G1
Photo Sensor Resolution	12.1 MP
Photo Sensor Size	Micro Four Thirds
Lens Included	Lumix G Vario 14-45mm f/3.5-5.6 ASPH. with Optical Image Stabilization
Image Stabilization	Optical (MEGA O.I.S.)
Screen Size	3 Inches (LCD)
Viewfinder	Electronic Viewfinder (EVF)
Compatible Mountings	Micro Four Thirds
Supported File Format	JPEG, RAW, MP4
Maximum Shutter Speed	1/16000 seconds
Connectivity Technology	HDMI, USB
Storage Media	SD, SDHC cards
Item Weight	1 Pound (approx.)

7. WARRANTY AND SUPPORT

Specific warranty details for the Panasonic Lumix DMC-G1 are not provided in this manual. For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official Panasonic website. For technical support, service, or additional product information, please visit the Panasonic support website or contact their customer service department. Keep your purchase receipt and product serial number handy when seeking support.