## SKYEAR G40-M

# SKYEAR G40-M Endoscope User Manual

Model: G40-M

## 1. INTRODUCTION

Thank you for choosing the SKYEAR G40-M Endoscope. This device is designed for visual inspection in hard-to-reach areas, providing clear 1080P HD images and video on its integrated 4.3-inch IPS screen. Its semi-rigid cable and adjustable LED lighting make it suitable for various industrial and household inspection tasks. Please read this manual thoroughly before use to ensure proper operation and maintenance.

Image 1.1: SKYEAR G40-M Endoscope with its main components and included accessories.

## 2. SAFETY INFORMATION

- Do not attempt to disassemble or modify the device.
- Keep the device away from extreme temperatures and direct sunlight.
- Ensure the camera probe is clean before and after use, especially when used in corrosive environments.
- Do not use the endoscope in environments with flammable or explosive gases.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- SKYEAR G40-M Endoscope with 4.3-inch IPS Screen
- 16.4ft (5m) Semi-Rigid Cable with 8mm Camera Lens
- USB Charging Cable
- Accessory Kit: Hook, Magnet, Side Mirror

- User Manual



Image 3.1: Contents of the SKYEAR G40-M Endoscope package.

# 4. SETUP

## 4.1. Charging the Device

The endoscope is equipped with a built-in Lithium Polymer battery. Before first use, fully charge the device using the provided USB charging cable. Connect the USB cable to the Type-C charging port on the device and a compatible USB power adapter (not included). The battery indicator on the screen will show charging status.

## 4.2. Attaching the Camera Cable

The semi-rigid camera cable is pre-attached to the main unit. Ensure it is securely fastened before use.

## 4.3. Attaching Accessories

The endoscope comes with a magnet, hook, and side mirror. These can be attached to the camera tip for specific inspection needs. Gently clip the desired accessory onto the end of the camera probe.



Image 4.2: Semi-rigid cord and practical accessories.

Image 4.3: Magnet accessory.



Image 4.4: Hook accessory.



Image 4.5: Mirror accessory.

## 5. OPERATING INSTRUCTIONS

### 5.1. Powering On/Off

Press and hold the Power Button (located on the top of the main unit) to turn the endoscope on or off. The 4.3-inch IPS screen will display the boot-up sequence.

Image 5.1: Control buttons and ports on the SKYEAR G40-M Endoscope.

## 5.2. Adjusting LED Lights

The camera probe features 8 adjustable LED lights. Use the 'LED Adjustment +' and 'LED Adjustment -' buttons on the main unit to increase or decrease the brightness of the lights. This helps illuminate dark inspection areas.



Image 5.2: Adjustable LED brightness levels.

## 5.3. Zoom and Contrast Adjustment

Use the 'Zoom In' and 'Zoom Out' buttons to adjust the magnification of the image on the screen. The device supports 3 magnification levels. You can also adjust the image contrast using the 'Enhance Sharp

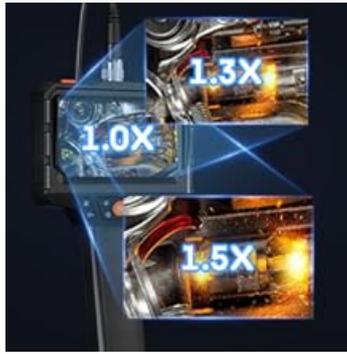Contrast' and 'Reduce Sharp Contrast' buttons.



Image 5.3: Zoom magnification levels.

## 5.4. Image Rotation

The endoscope supports 180° image rotation. Use the 'To Rotate' button to flip the image on the screen, allowing for easier viewing in various orientations.

## 5.5. Using the Semi-Rigid Cable

The 16.4ft semi-rigid cable can be maneuvered into tight spaces. Gently guide the camera probe into the area you wish to inspect. The cable's flexibility allows it to navigate bends and curves.

Your browser does not support the video tag.

Video 5.1: Demonstration of the SKYEAR G40-M Endoscope in use for industrial inspection, showcasing its flexibility and image clarity.

## 5.6. Applications

The SKYEAR G40-M Endoscope is suitable for a wide range of applications, including:

- Automotive inspection (engines, vehicle undercarriage)
- Plumbing and sewer line inspection
- HVAC system inspection
- Wall structure inspection
- Industrial mechanical inspection

Image 5.4: Various applications of the SKYEAR G40-M Endoscope.

# 6. MAINTENANCE

## 6.1. Cleaning the Camera Lens

After each use, especially in dirty or wet environments, gently wipe the camera lens with a soft, dry cloth. For stubborn grime, a slightly damp cloth can be used, followed by drying. Ensure no moisture enters the main unit.



Image 6.1: The IP67 waterproof camera probe.

### 6.2. Storage

Store the endoscope and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the semi-rigid cable neatly to prevent kinks or damage.

### 6.3. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the device when the battery indicator is low. If storing for an extended period, charge the battery to approximately 50% every few months.

## 7. TROUBLESHOOTING

- **No Power:** Ensure the device is fully charged. If the issue persists, try resetting the device using the reset button (if available, refer to Image 5.1).
- **No Image on Screen:** Check if the camera cable is securely connected to the main unit. Ensure the device is powered on.
- **Poor Image Quality:** Clean the camera lens. Adjust the LED brightness and contrast settings. Ensure the camera is within the optimal focal range (1-10 cm).
- **Buttons Unresponsive:** Try restarting the device. If unresponsive, press the reset button.

## 8. SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Model Number | G40-M |
| Screen Size | 4.3 inches IPS |
| Video Capture Resolution | 1080p |
| Camera Sensor | 2MP CMOS |
| Cable Length | 16.4ft (5m) |
| Cable Type | Semi-Rigid |
| Camera Diameter | 8mm |
| LED Lights | 8 Adjustable LEDs |
| Waterproof Rating | IP67 |
| Macro Focus Range | 1-10 cm |
| Shooting Modes | Automatic |
| Exposure Control Type | Automatic |
| Media Type | SD Card (not included) |
| Battery Type | Lithium Polymer (included) |
| Package Dimensions | 11.06 x 5.87 x 2.99 inches |
| Item Weight | 1.34 Pounds |

## 9. Warranty and Support

Specific warranty information and customer support contact details are not provided in the product data. Please refer to the product packaging or the manufacturer's official website for the most up-to-date warranty terms and support options.