Techage CG6X

Techage CG6X Wireless Outdoor Solar Security Camera

User Manual

1. INTRODUCTION

The Techage CG6X Wireless Outdoor Solar Security Camera is designed to provide comprehensive home security with advanced features. This manual will guide you through the setup, operation, and maintenance of your new security camera, ensuring optimal performance and peace of mind.

Key Features:

- Smart AI Object Analysis for precise detection.
- 1080P Full Color Night Vision for clear images in low light.
- Real-time Alarm & 2-Way Audio for immediate communication and alerts.
- 100% Wire-free & Easy Installation with solar power.
- Optional Cloud/SD Storage & IP66 Weatherproof design.

Image 1.1: Techage CG6X Camera with Solar Panel and Smartphone Live View.

2. What's in the Box

Please verify that all components are present and in good condition upon opening the package:

- 1 x Techage CG6X WiFi Camera
- 1 x Solar Panel
- 1 x 64GB TF Card (pre-installed or included separately)
- 1 x User Manual
- 1 x USB Cable
- 1 x Mounting Template
- 1 x Guide Mounting Template
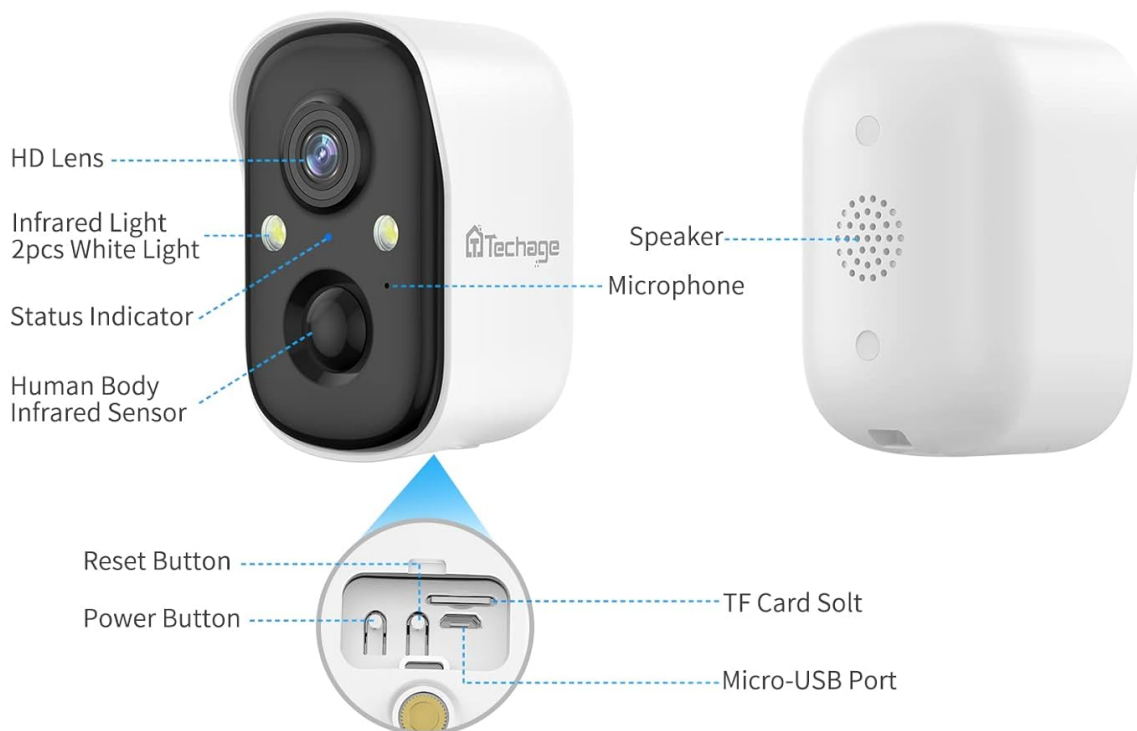- 1 x Pack of Screws and Wall Plugs

HD Lens

Infrared Light
2pcs White Light

Status Indicator

Human Body
Infrared Sensor

Speaker

Microphone

Reset Button

Power Button

TF Card Solt

Micro-USB Port

WiFi Camera ×1	Solar Panel ×1	64G TF Card ×1	User Manual ×1
USB Cable ×1	Mounting Template ×1	Guide Mounting Template ×1	Pack of Screws ×1

Image 2.1: Package Contents and Camera Component Diagram.
The diagram highlights the HD Lens, Infrared Light, White Light, Status Indicator, Human Body Infrared Sensor, Speaker, Microphone, Reset Button, Power Button, TF Card Slot, and Micro-USB Port.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, fully charge the camera's built-in 5000mAh lithium battery using the provided USB cable and a 5V USB power adapter (not included). A full charge ensures optimal battery life and performance.

3.2 App Download and Installation

Download the **VicoHome** security camera app from the App Store (for iOS devices) or Google Play (for Android devices). Search for "VicoHome" and install the application.

Image 3.1: VicoHome App Availability.

3.3 Camera Pairing

1. Open the VicoHome app and create an account or log in.
2. Tap the "+" icon to add a new device.
3. Follow the on-screen instructions to connect the camera to your 2.4GHz Wi-Fi network. (Note: The camera does not support 5GHz Wi-Fi networks).
4. Ensure your camera is close to your Wi-Fi router during the pairing process for a stable connection.

3.4 Physical Installation

The camera and solar panel are designed for easy, wire-free installation. Choose a location that provides optimal sunlight exposure for the solar panel and a clear view for the camera.

- Use the provided mounting template to mark drill holes on your desired wall or surface.
- Drill the holes and insert the wall plugs.
- Secure the camera and solar panel mounts using the screws.
- Adjust the angle of the camera and solar panel for best coverage and sunlight absorption.
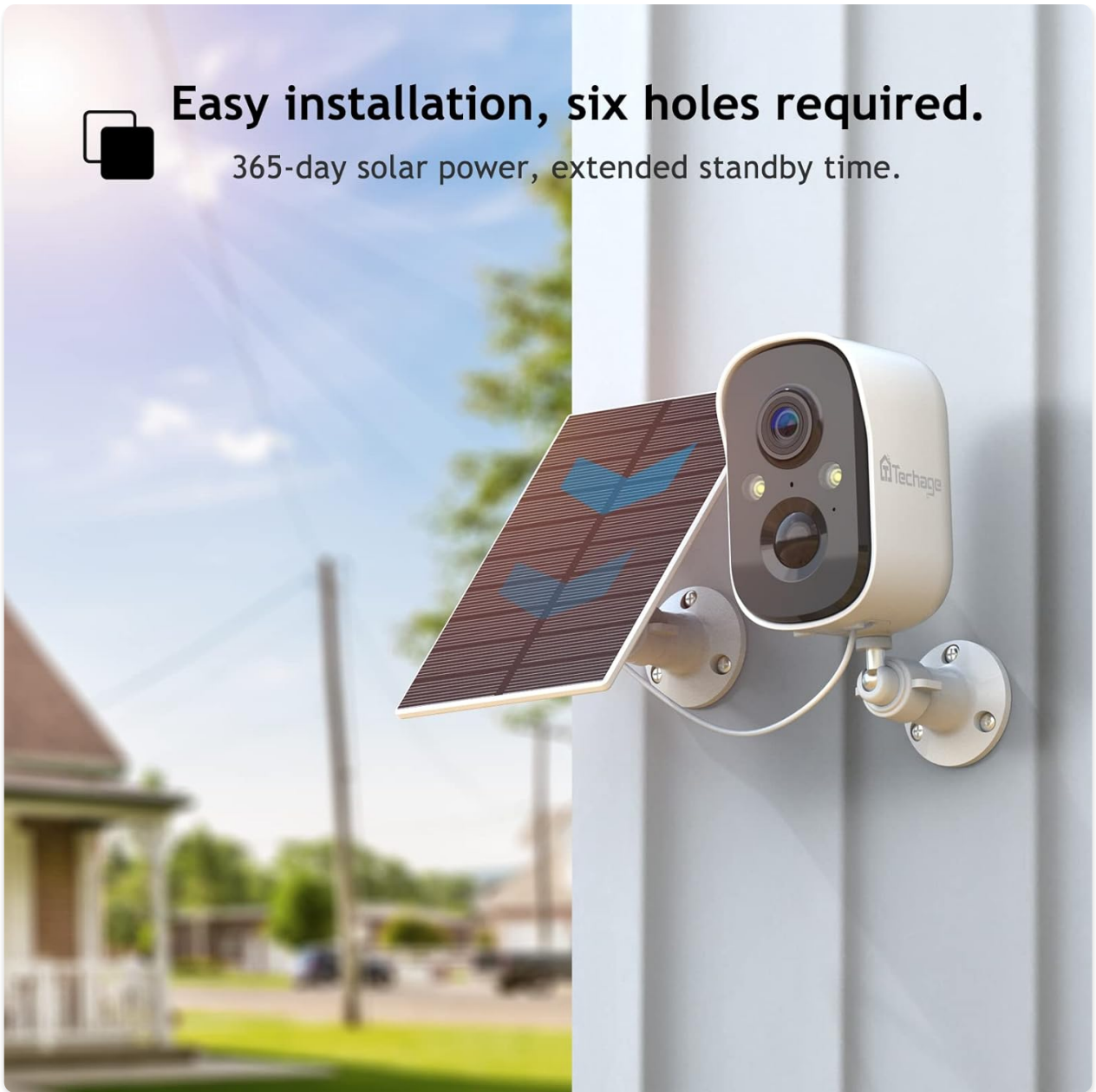
Image 3.2: Easy Installation with Solar Power.

4. OPERATING INSTRUCTIONS

4.1 Live View and Recording

Access the live feed of your camera anytime through the VicoHome app. The camera records in 1080P resolution, providing clear video footage.

Image 4.1: Multi-Camera Live View in VicoHome App.

4.2 AI Motion Detection

The camera features advanced AI motion detection capable of distinguishing between different objects such as people, vehicles, pets, and packages. This reduces false alarms and provides more relevant notifications.
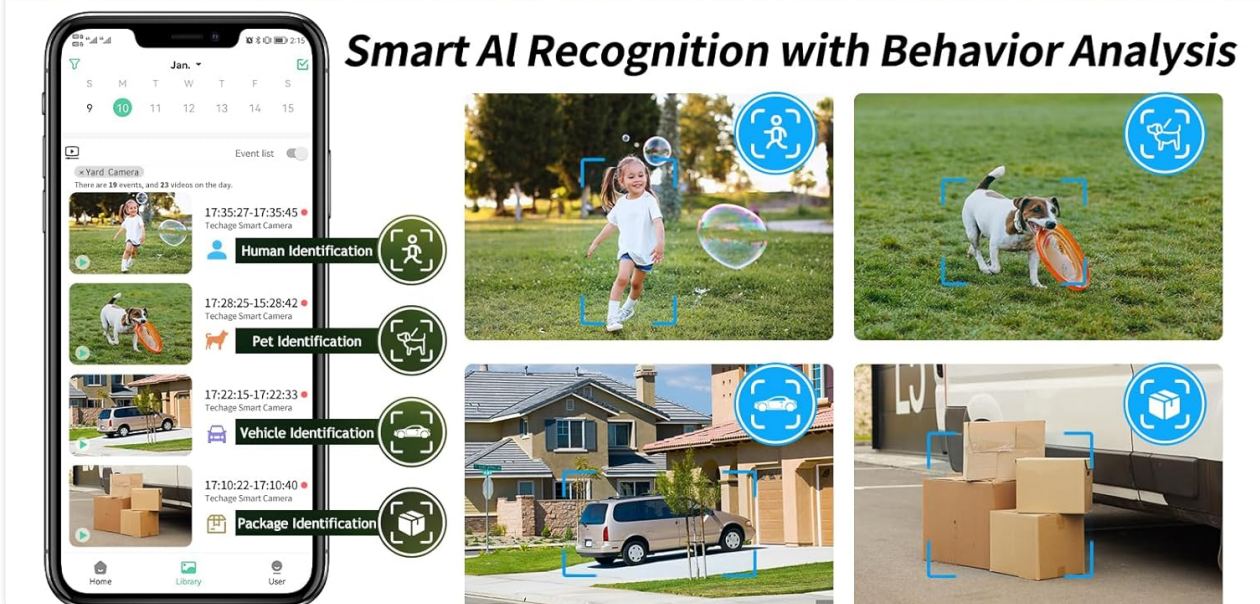
You can also define specific motion detection zones within the app to focus on critical areas and ignore irrelevant movements.

Image 4.3: Customizable Motion Detection Zones.

4.3 Color Night Vision

The camera provides full-color night vision, offering clearer and more detailed images than traditional black-and-white infrared night vision. It has a visible range of up to 33 feet.

Image 4.4: Color Night Vision Capability.

4.4 Two-Way Audio

Communicate with visitors or deter intruders using the built-in microphone and speaker. This feature allows for real-time two-way conversations through the VicoHome app.

Image 4.5: Two-Way Talk and Alexa Integration.

4.5 Spotlight and Siren Alarm

When motion is detected, the camera can activate a bright spotlight and a loud siren to deter unwanted visitors. These features can be configured within the app.
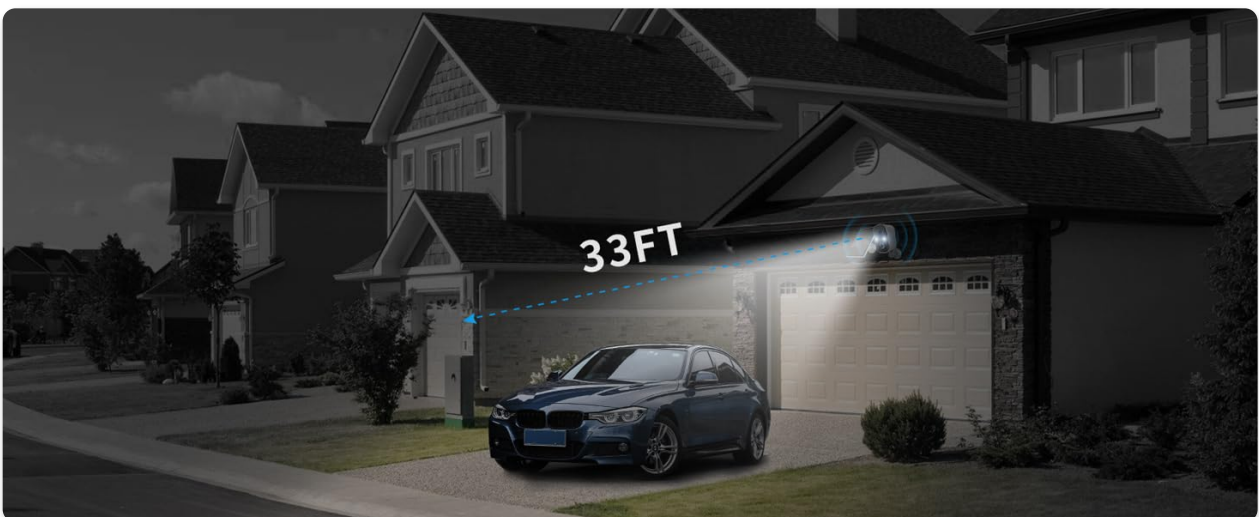
Image 4.6: Spotlight and Siren Alarm in Action.

4.6 Storage Options

The camera supports both cloud storage and local storage via a Micro SD card (32GB-128GB). A 64GB SD card is included with your purchase. Free 3-day 500MB video loop cloud storage is also provided for two years.

4.7 Multi-User Remote Access

Share access to your camera's live feed and recordings with family and friends through the VicoHome app. You can connect unlimited users, allowing everyone to stay informed about what's happening around your property.
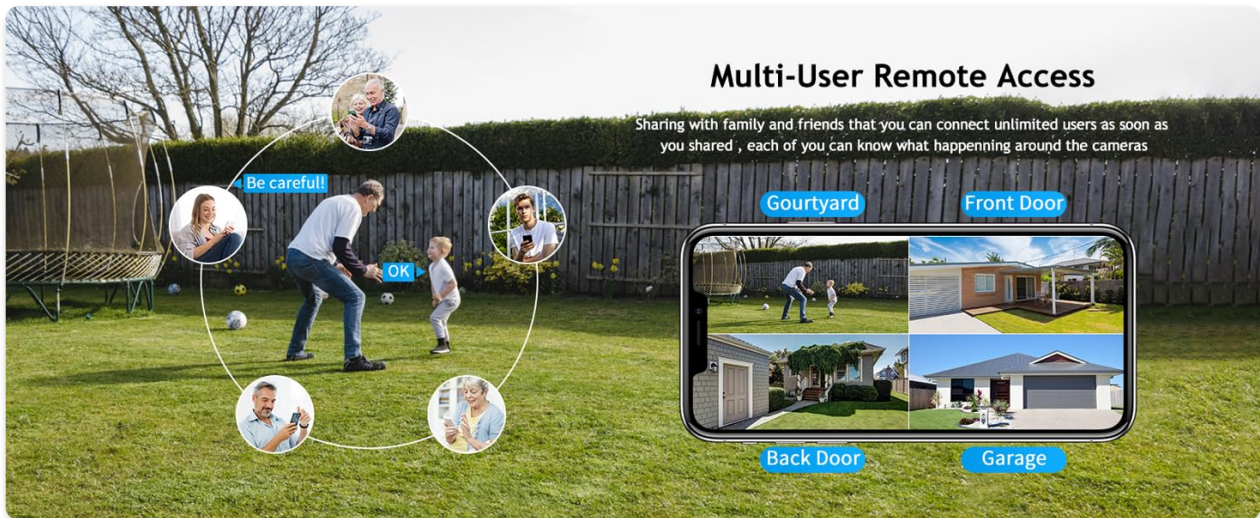

Image 4.8: Multi-User Remote Access.

4.8 Alexa Integration

The Techage CG6X camera is compatible with Amazon Alexa. You can link your camera to the Alexa app and control it via Amazon Echo Show devices for easy viewing of your camera feed.

5. MAINTENANCE

5.1 Battery Management

The camera is powered by a 5000mAh rechargeable lithium battery, continuously charged by the solar panel. Battery life varies depending on the frequency of motion triggers and environmental conditions.
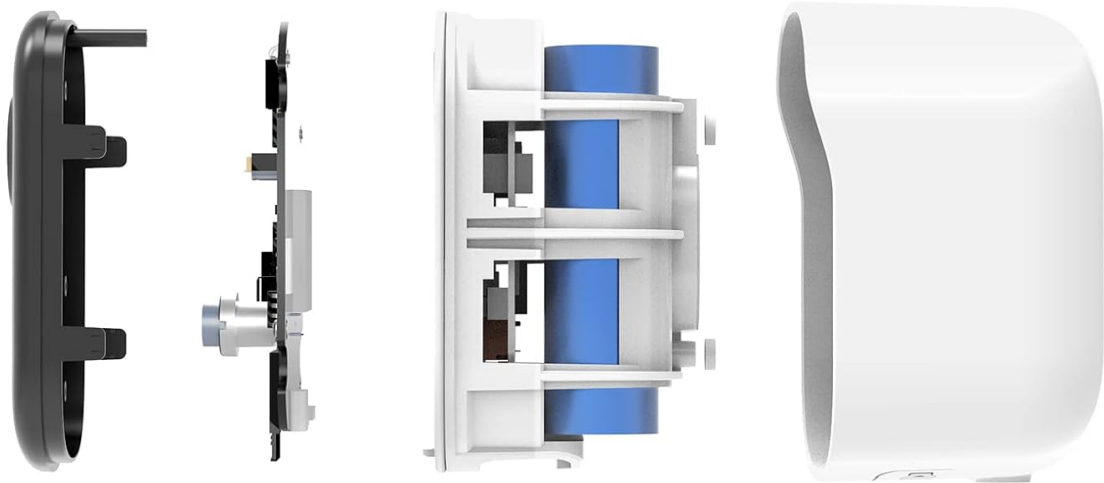
5000mAh Rechargeable Lithium Battery

5000mAh Super Capacity

USB Charging

Please Full Charged Before First Use

Trigger times in a day	25	40	80
Battery Life	About 6 months	About 4 months	About 2 months
Suitable Loaction	Yard	Porch	Indoor house

Image 5.1: Battery Specifications and Estimated Battery Life.
The table indicates: 25 trigger times/day ≈ 6 months battery life (Yard); 40 trigger times/day ≈ 4 months battery life (Porch); 80 trigger times/day ≈ 2 months battery life (Indoor house).

To extend battery life, you can set an alarm time plan for motion detection through the VicoHome app, which helps save power and avoid unnecessary alarms.

5.2 Cleaning

Periodically clean the camera lens and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid using harsh chemicals or abrasive materials.

5.3 Weather Resistance

The camera has an IP66 weatherproof rating, meaning it is protected against dust and powerful water jets. It is designed to withstand heavy rain and other harsh weather conditions, including extreme temperatures.

Image 5.2: IP66 Weatherproof Rating in Rain and Snow.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **Q: Do I need to pay a monthly subscription for this solar camera?**
  A: No, a subscription is not required for basic functionality. The camera offers up to 3 days of cloud recording, intelligent notifications, and activity zones without a subscription. Not subscribing does not affect your ability to use the camera.

- **Q: How do I set it up with Alexa?**
  A: To set up with Alexa, link your camera to the Alexa app. You can then control it and view the feed via Amazon Echo Show devices for convenient monitoring.

- **Q: Can I use this with 5G Wi-Fi?**
  A: No, the camera connects to 2.4GHz Wi-Fi networks only. This frequency provides better range and penetration through walls, which is ideal for outdoor security cameras. It does not support 5GHz networks.

- **Q: The battery is not charging via solar panel.**
  A: Ensure the solar panel is placed in an area that receives direct sunlight for several hours a day. Check the connection cable between the solar panel and the camera. Clean the solar panel surface to remove any dirt or debris that might obstruct sunlight.

- **Q: Camera frequently disconnects from Wi-Fi.**
  A: Ensure the camera is within range of your 2.4GHz Wi-Fi router. Obstacles like thick walls or other electronic devices can interfere with the signal. Consider relocating the camera or using a Wi-Fi extender.

7. SPECIFICATIONS

Feature	Specification
Model Name	CG6X
Indoor/Outdoor Usage	Outdoor

Power Source	Battery Powered (5000 mAh Lithium Polymer)
Connectivity Technology	Wireless (Wi-Fi, 2.4GHz only)
Video Capture Resolution	1080p (Effective 1080 Pixels)
Viewing Angle	110 Degrees
Field Of View	130 Degrees
Night Vision	Color Night Vision (Low light technology: Night Color)
Two-Way Audio	Yes
Motion Detection	Smart AI Object Analysis (Person, Vehicle, Pet, Package)
Storage	Cloud Storage, Micro SD Card (32-128GB supported, 64GB included)
Weatherproof Rating	IP66
Dimensions (L x W x H)	8 x 4 x 4 inches
Item Weight	1.21 pounds
Material	Plastic
Compatible Devices	Smartphone, Amazon Alexa

8. WARRANTY INFORMATION

Techage products are manufactured to high quality standards. For specific warranty details regarding your Techage CG6X Wireless Outdoor Solar Security Camera, please refer to the warranty card included in your product packaging or visit the official Techage website. Please retain your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

For any technical assistance, questions, or concerns regarding your Techage CG6X camera, please contact Techage customer support. Techage is committed to providing high-quality security products and offers free technical support to ensure your satisfaction.

Image 9.1: Free Technical Support.

Please visit the official Techage website or refer to the contact information provided in your product packaging for the most up-to-date support channels.