GardePro X50S

GardePro X50S Cellular Trail Camera with SP350 Solar Panel Bundle Instruction Manual

Model: X50S | Brand: GardePro

1. INTRODUCTION AND OVERVIEW

The GardePro X50S Cellular Trail Camera with SP350 Solar Panel Bundle is designed for remote wildlife monitoring and security applications. This manual provides essential information for setting up, operating, and maintaining your device to ensure optimal performance.
Key features include:

- Flexible power options with a 5200mAh SP350 solar panel and support for 8 AA batteries.
- Always-on connectivity with a pre-activated SIM card compatible with AT&T, Verizon, and T-Mobile LTE networks.
- Innovative Lite Video preview feature for efficient data transfer.
- Fast 0.1-second trigger speed and efficient adaptive infrared night vision.
- User-friendly mobile app for camera management and flexible data plans.

2. SETUP

2.1 Unboxing and Components

Ensure all components are present:

- GardePro X50S Cellular Trail Camera
- GardePro SP350 Solar Panel (5200mAh)
- Mounting strap for camera
- Mounting bracket and screws for solar panel

- Connection cables (4.0 x 1.7mm and 5.5 x 2.1mm connectors)
- Pre-activated SIM card
- USB charging cable

2.2 Power Options and Battery Installation

The camera can be powered by the SP350 solar panel, 8 AA batteries, or both simultaneously. When both are connected, the camera automatically switches between power sources based on availability.

1. Open the camera housing.
2. Insert 8 new AA batteries (alkaline or lithium recommended) into the battery compartment, ensuring correct polarity.
3. Close the camera housing securely.

2.3 Solar Panel Connection

The SP350 solar panel provides continuous power and charges the internal battery, reducing the need for frequent battery changes.

1. Mount the SP350 solar panel in a location with ample direct sunlight using the provided mounting bracket and screws.
2. Connect the appropriate cable (4.0 x 1.7mm or 5.5 x 2.1mm) from the solar panel to the external power input port on the bottom of the X50S camera.
3. Ensure the connection is secure and waterproof.

Image: Front view of the GardePro SP350 Solar Panel, showing its solar cells.

Image: Back view of the GardePro SP350 Solar Panel, showing its mounting point and product label.

Image: GardePro SP350 Solar Panel with its power cable attached, ready for connection.

Image: Close-up of the input and output ports on the GardePro SP350 Solar Panel, including USB and DC ports.

Image: Various mounting accessories for the GardePro SP350 Solar Panel, including connectors, a base, and a mounting arm.

2.4 SIM Card and App Setup

The camera comes with a pre-activated SIM card for immediate use. Download the GardePro mobile app to manage your camera.

1. Download the GardePro mobile app from your device's app store.
2. Follow the in-app instructions to bind and activate your camera using the pre-activated SIM card.
3. The camera will automatically detect and switch between AT&T, Verizon, and T-Mobile LTE networks for optimal signal strength.

3. OPERATING INSTRUCTIONS

3.1 Capturing Images and Videos

The X50S camera features a fast 0.1-second trigger speed and three PIR sensors for quick and accurate capture.

- Position the camera to cover the desired monitoring area.
- Use the mobile app to configure photo and video settings, including resolution and burst mode.
- The camera will automatically capture images or videos when motion is detected.

Image: GardePro X50S Cellular Trail Camera with its antenna, mounted on a tree trunk in a natural setting.

3.2 Night Vision

The adaptive infrared night vision mode adjusts LED power based on target distance, preventing overexposure or underexposure and conserving battery life.

- Night vision activates automatically in low-light conditions.
- Ensure no obstructions block the infrared LEDs for clear night captures.

3.3 Video Preview and Live Streaming

The GardePro app offers advanced features for viewing captured media.

- **Lite Video Preview:** After the camera captures a video, a low-data Lite Video is sent to your mobile device for quick review. This allows you to preview the full video content without consuming excessive data.
- **Live Streaming:** The camera supports live streaming, allowing you to view real-time footage from your mobile device. This feature is useful for immediate monitoring of your property or wildlife.

Image: A hand holding a smartphone displaying the GardePro app, showing the Lite Video feature with multiple bear videos in a river setting.

Video: GardePro Cellular Trail Camera - Full Video Preview. This video demonstrates the Lite Video preview feature, showing how it provides a full video preview at a lower frame rate compared to other brands that offer only short GIF bursts, saving data.

Video: GardePro Live Stream Cellular Trail Camera. This video showcases the live streaming capabilities of the GardePro cellular trail camera, demonstrating real-time viewing of wildlife and remote control features via the mobile app.

4. Maintenance

4.1 Battery Management

The SP350 solar panel significantly extends battery life. However, regular checks are recommended.

- Ensure the solar panel is clean and free from debris to maximize charging efficiency.
- Periodically check the battery level via the GardePro app.
- If using AA batteries, replace them when the app indicates low power.

4.2 SD Card Management

The camera supports an SD card for local storage of photos and videos.

- Regularly check the SD card usage via the app.
- Format the SD card periodically to maintain optimal performance and prevent data corruption.
- Transfer important files to another device before formatting.

4.3 Cleaning and Storage

- Wipe the camera lens and solar panel surface with a soft, dry cloth to remove dirt or smudges.
- Ensure all ports are securely sealed to prevent moisture ingress.
- When storing the camera for extended periods, remove AA batteries and ensure the solar panel's internal battery is fully charged.

5. TROUBLESHOOTING

5.1 No Signal/Connectivity Issues

- Check the camera's location for adequate cellular coverage. The camera automatically switches carriers, but very remote areas may still have limited signal.
- Ensure the SIM card is correctly inserted and activated.
- Restart the camera and check the app for updated signal strength.

5.2 Short Battery Life

- Verify the solar panel is receiving sufficient direct sunlight throughout the day. Clear any obstructions.
- Check the condition of the AA batteries; replace if necessary.
- Reduce the frequency of captures or video length in camera settings to conserve power.

5.3 Poor Image/Video Quality

- Clean the camera lens and infrared LEDs with a soft cloth.
- Ensure the camera is mounted securely to prevent movement that could blur images.
- Adjust camera settings for higher resolution if needed, considering the impact on data usage and storage.

6. SPECIFICATIONS

Feature	Specification
Connectivity Protocol	Cellular
Wireless Communication Technology	4G LTE
Battery Power (SP350)	5200 Milliampere Hour (mAh)

Trigger Speed	0.1 seconds
Night Vision	Adaptive Infrared
Alert Type	Motion Only
Video Capture Format	MPEG-4
Special Features	Brightness Control, Night Vision, Noise Reduction, Time-Lapse
Compatible Devices	Smartphone

7. WARRANTY AND SUPPORT

The GardePro X50S Cellular Trail Camera with SP350 Solar Panel Bundle typically comes with a 2-year warranty. For detailed warranty information, product support, or technical assistance, please refer to the official GardePro website or contact their customer service directly.

You can visit the GardePro Store for more information and support resources.