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› Night Owl 8 Channel Bluetooth Video Home Security Camera System User Manual

Night Owl BTN8-82-6L

Night Owl 8 Channel Bluetooth Video Home Security Camera System User Manual

Model: BTN8-82-6L

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Night Owl 8 Channel Bluetooth Video Home Security Camera System. This system includes a Wired NVR with a 2TB Hard Drive and six 4K HD Wired IP Spotlight Cameras with Audio. Please read this manual thoroughly before setup and operation to ensure proper functionality and safety.

SYSTEM CONTENTS

Verify that all components listed below are included in your package:

- 1 x Wired NVR with 2TB Hard Drive
- 1 x NVR Power Adapter
- 1 x 6 ft. HDMI Cable
- 1 x RJ-45 Cable (Ethernet)
- 1 x USB Mouse
- 1 x Support Material & Window Sticker
- 6 x 4K HD Wired IP Cameras
- 6 x 60 ft. RJ-45 Ethernet Camera Cables
- 6 x Mounting Hardware and Screw Packets



Image: Overview of the Night Owl 8 Channel Security System components, showing the NVR unit and six wired IP cameras.

SETUP GUIDE

1. Initial NVR Setup

1. **Connect the NVR:** Connect the NVR Power Adapter to the NVR and plug it into a power outlet.
2. **Connect USB Mouse:** Plug the included USB Mouse into one of the USB ports on the NVR.
3. **Network Connection (Optional for initial setup, recommended for remote access):** Connect the RJ-45 Ethernet cable from the NVR's LAN port to your router.
4. **Bluetooth Setup (App-Based):**

The system features secure app-based Bluetooth setup, eliminating the need for a TV or monitor for initial configuration. Download the Night Owl Protect app on your smart device.



Image: A Night Owl NVR unit on a table with a hand holding a smartphone showing the Night Owl Protect app's device setup screen, highlighting the easy Bluetooth setup.

Follow the in-app instructions to pair your smart device with the NVR via Bluetooth and complete the initial system configuration.

2. Camera Installation

The 4K HD Wired IP Cameras connect to the NVR using a single RJ-45 Ethernet cable for both power and video signal (Power over Ethernet - PoE).

1. **Mounting:** Select suitable indoor or outdoor locations for your cameras. Use the included mounting hardware to securely attach each camera. Ensure the camera has a clear line of sight to the area you wish to monitor.
2. **Cable Connection:** Connect one end of the 60 ft. RJ-45 Ethernet Camera Cable to the camera and the other end to an available "CAMERAS" port on the back of the NVR.



Expandable 4K Wired NVR

Add up to a Total of 8 Wired IP Cameras + 4 Night Owl® Compatible Wi-Fi Devices

Image: Rear view of the Night Owl NVR, illustrating the 8 channel camera ports (PoE), USB ports, HDMI, and LAN connections. This system supports up to 8 wired cameras.

3. **Power On:** Once all cameras are connected, ensure the NVR is powered on. The cameras will automatically power up and connect to the NVR.

OPERATING INSTRUCTIONS

1. Using the Night Owl Protect App

The Night Owl Protect app is your primary interface for managing and monitoring your security system.

- **Live View:** Access real-time video feeds from all connected cameras.
- **Playback:** Review recorded footage stored on the 2TB hard drive.
- **2-Way Audio:** Utilize the built-in microphone and speaker on the cameras to listen and talk through the app.

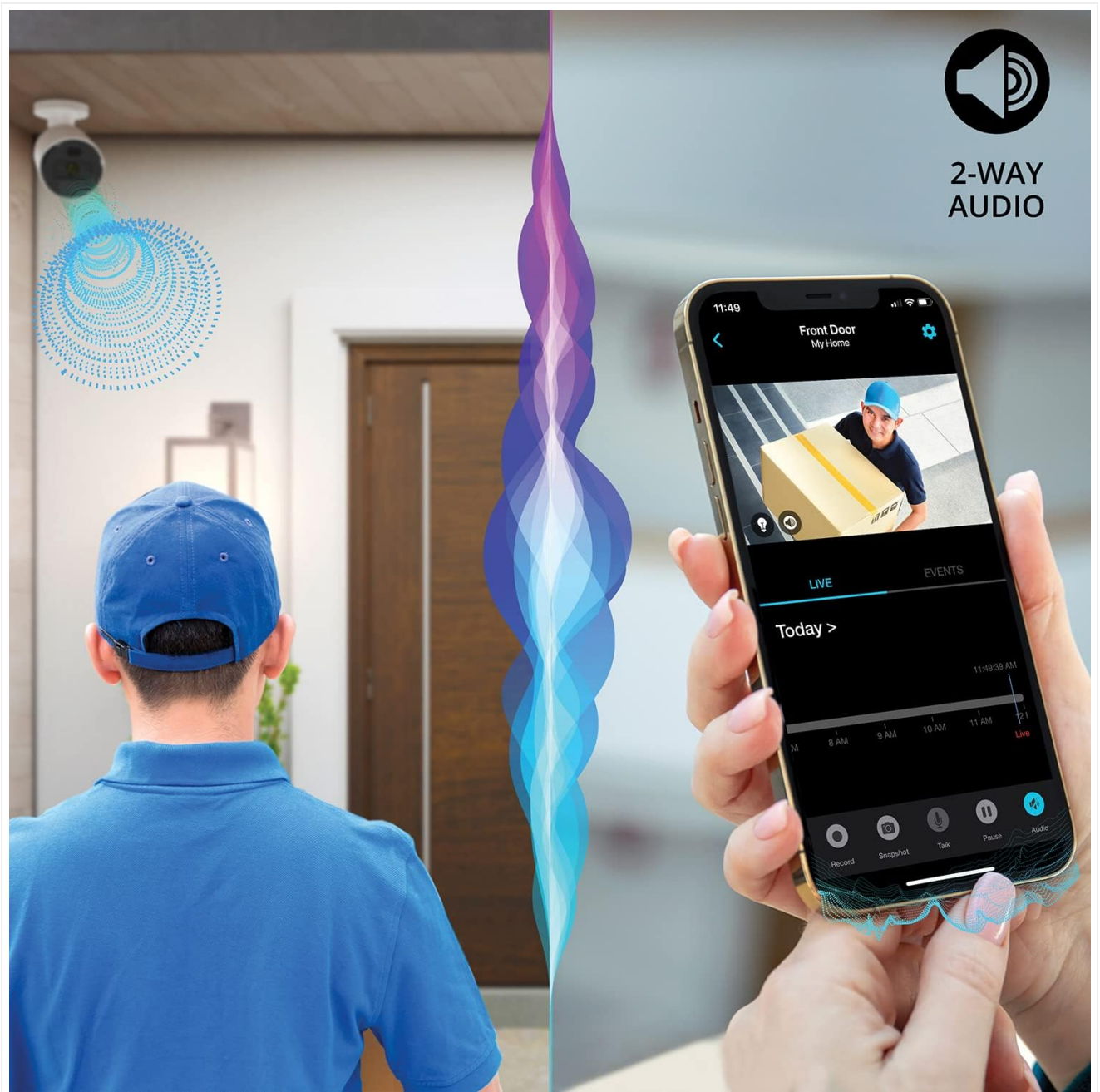


Image: Illustration of the 2-way audio feature, showing a person communicating with a delivery driver at their front door using the Night Owl Protect app on a smartphone.

- **Preset Voice Alerts & Siren:** Trigger pre-recorded messages or a loud siren through the camera speakers to deter intruders or communicate with visitors.

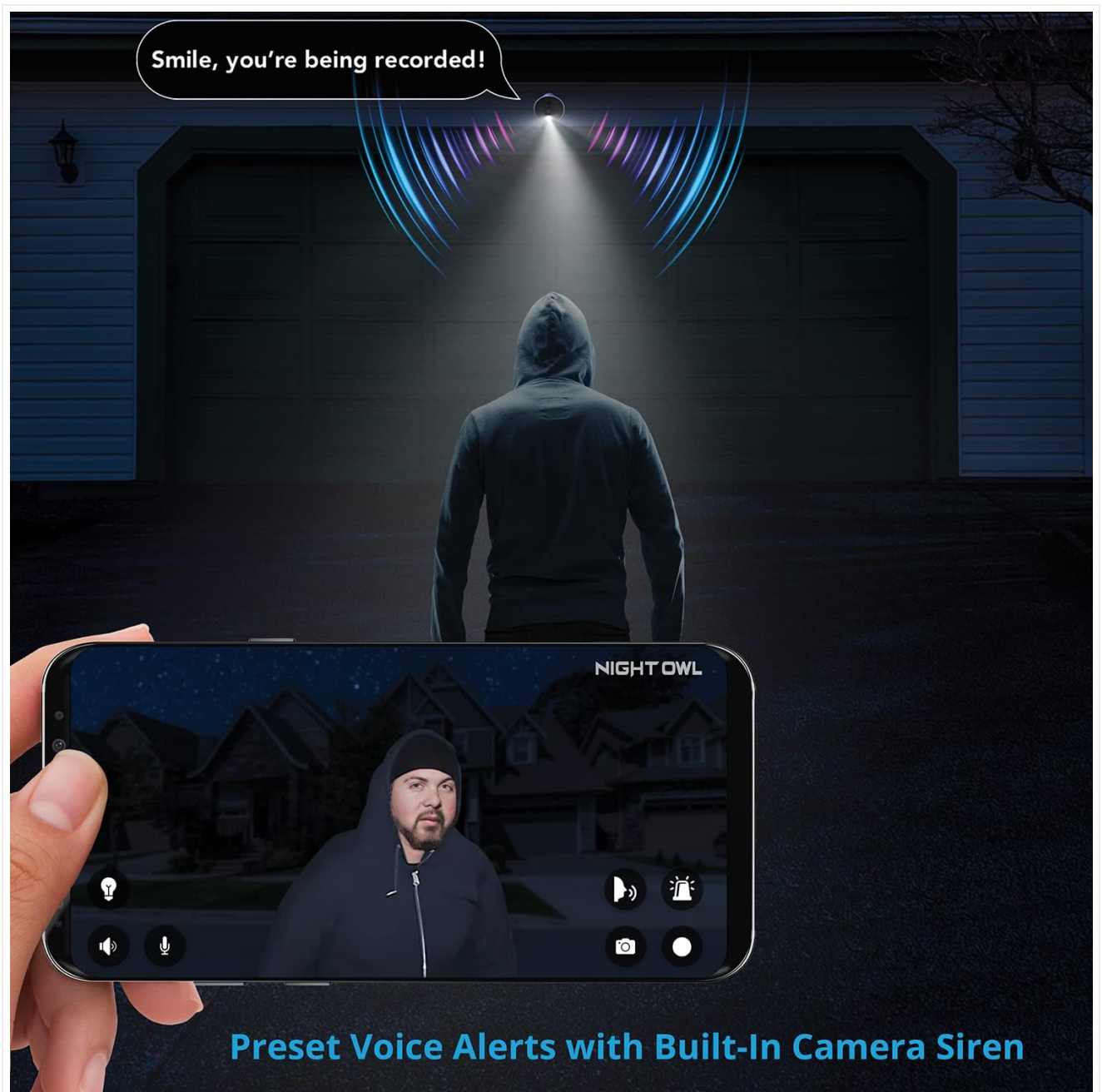


Image: A Night Owl camera with its spotlight and siren activated, deterring a hooded figure in front of a garage, with the scene simultaneously displayed on a smartphone app.

- **Notifications:** Receive real-time alerts on your smart device for motion detection or other events.

FREE NIGHT OWL® Mobile App

- Secure App-Based Bluetooth Setup
- Single Sign-On
- Live View
- Playback
- Save and Share
- Multi-Channel Viewing Options



Image: Screenshots of the Night Owl Protect mobile app interface, demonstrating real-time alerts, live view, playback options, and sharing capabilities.

- **Security Features:** The app supports 2-Step Verification and Single Sign-On for enhanced account security.

2. Local Storage and Privacy

Your security camera recordings are stored securely on the pre-installed 2TB hard drive within the NVR. This system prioritizes your privacy by keeping data local and not relying on mandatory cloud storage or subscriptions.



Free Local Storage

No Monthly Fees – No mandatory cloud, subscriptions or storage fees

Image: An exploded view of the Night Owl NVR, showing the internal 2TB hard drive, highlighting the system's free local storage capability.

MAINTENANCE

- **Camera Lens Cleaning:** Periodically clean camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the Night Owl Protect app regularly for available firmware updates for your NVR and cameras. Updates can improve performance and add new features.
- **Hard Drive Management:** The 2TB hard drive provides ample storage. The system typically overwrites the oldest footage when the drive is full. You can configure recording settings (e.g., motion-activated recording) to optimize storage usage.
- **Cable Inspection:** Periodically inspect all Ethernet cables for any signs of wear or damage, especially for outdoor installations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video from camera	<p>Camera not powered.</p> <p>Ethernet cable loose or damaged.</p> <p>NVR port issue.</p>	<p>Ensure NVR is powered on.</p> <p>Check cable connections at both camera and NVR. Try a different port.</p> <p>Test with a known working cable/camera if available.</p>
App connectivity issues	<p>Poor Wi-Fi/cellular signal.</p> <p>NVR not connected to internet.</p> <p>App outdated.</p>	<p>Verify strong internet connection on your smart device.</p> <p>Ensure NVR is connected to your router via Ethernet.</p> <p>Update Night Owl Protect app to the latest version.</p> <p>Restart NVR and router.</p>
Poor image quality	<p>Dirty camera lens.</p> <p>Low light conditions.</p> <p>Network bandwidth issues.</p>	<p>Clean camera lens.</p> <p>Ensure adequate lighting or rely on camera's night vision.</p> <p>Check network speed and reduce other network traffic if necessary.</p>
No audio or poor 2-way audio	<p>Microphone/speaker blocked.</p> <p>App audio settings.</p> <p>Network latency.</p>	<p>Ensure nothing is obstructing the camera's microphone or speaker.</p> <p>Check audio settings within the Night Owl Protect app.</p> <p>Verify stable network connection.</p>

SPECIFICATIONS

Feature	Detail
Brand	Night Owl
Model Number	BTN8-82-6L
Connectivity Technology	Wired (PoE)
Video Capture Resolution	2160p (4K HD)
Number of Channels	8 (Expandable up to 12 cameras: 8 wired IP + 4 Wi-Fi)
Memory Storage Capacity	2 TB Hard Drive (Pre-installed)
Power Source	Corded Electric
Item Dimensions (L x W x H)	10 x 15 x 5 inches
Compatible Devices	Security Cameras
Signal Format	Digital
Low Light Technology	Night Vision
Frame Rate	30 fps
Recording Mode	Video
Optical Sensor Technology	CMOS
Hardware Interface	Bluetooth, RJ45, USB, HDMI
Lens Type	Wide Angle
Viewing Angle	82 Degrees
Item Weight	17.22 pounds
UPC	816522025038

WARRANTY AND SUPPORT

Night Owl products typically come with a 1-year limited warranty from the date of purchase. For detailed warranty information, technical support, or to register your product, please visit the official Night Owl website or contact their customer service. Support materials and window stickers are included in your package for quick reference.

Note: All Night Owl products are proudly designed and engineered in the U.S.A.

