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Night Owl FWR8-64GB-F84L

Night Owl 8 Channel Wi-Fi Video Home Security Hub User Manual

Model: FWR8-64GB-F84L

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Night Owl 8 Channel Wi-Fi Video Home Security Hub with (4) Plug-in Wi-Fi 4K HD Indoor/Outdoor Spotlight Cameras. This system is designed to offer unparalleled security and convenience, featuring 4K video capture, AI-powered human and vehicle detection, and secure local storage.



Image: The Night Owl Wi-Fi Hub and four associated 4K HD cameras, illustrating the complete security system.

Key features include:

- **4K HD Video Quality:** Capture clear and detailed recordings.
- **Plug-in Wireless Cameras:** Easy installation with constant power via 9 ft. adapters.
- **Private Data & Secure Connection:** All recordings are stored locally on the hub via a secure wireless network, ensuring data privacy.
- **Flexible Storage Options:** Includes a 64GB microSD card, expandable with a 2.5” SATA hard drive (sold separately).
- **Free Mobile App:** Access your cameras remotely with no monthly fees or hidden costs.
- **AI Detection:** Onboard AI for precise human and vehicle detection, reducing false alerts.
- **Two-Way Audio:** Communicate through the cameras.
- **Weather-Resistant Design:** Suitable for both indoor and outdoor use.



Image: An illustration highlighting Night Owl's commitment to property and data privacy through secure technology, local storage, US-hosted servers, and the Night Owl Guarantee.

What's Included

Your Night Owl security system package contains the following components:

- **Wi-Fi NVR (Hub):**
  - 1 x 8 Channel Wi-Fi Hub with 64GB microSD Card
  - 1 x Hub Power Adapter
  - 1 x RJ-45 Cable (Ethernet)
  - 1 x Support Material Packet
- **Plug-In Wireless Cameras:**
  - 4 x Plug-In Wireless Cameras
  - 4 x 9 ft. Camera Power Adapters
  - 4 x Mounting Hardware and Screw Packets

Setup

Follow these steps to set up your Night Owl security system:

1. **Unpack Components:** Carefully remove all items from the packaging and verify that all listed components are present.
2. **Power On the Hub:** Connect the Hub Power Adapter to the Wi-Fi Hub and plug it into a power outlet. The hub will power on automatically.
3. **Connect Cameras:** Plug each camera's 9 ft. power adapter into a power outlet. The cameras will automatically connect wirelessly to the Wi-Fi Hub. Ensure cameras are within range of the hub for optimal signal.
4. **Download the Night Owl App:** Search for the "Night Owl Protect" app on your smartphone's app store (iOS or Android) and install it.
5. **Initial App Setup:** Open the app, create an account, and follow the on-screen prompts to add your Wi-Fi Hub and cameras. You may need to scan a QR code on the hub for quick pairing.
6. **Mount Cameras:** Once tested, use the provided mounting hardware to securely install your cameras in desired indoor or outdoor locations. The plug-in design allows for flexible placement.



Image: A Night Owl camera shown plugged into a wall outlet, illustrating its power source, with a wireless signal icon connecting it to the central hub, emphasizing ease of setup.



Image: A Night Owl camera depicted in two settings, one mounted outdoors and another indoors, highlighting its versatile and easy-to-change mounting options for various environments.

Operating

Utilize the Night Owl Protect app to manage and monitor your security system:

- **Live View:** Access real-time video feeds from all connected cameras.
- **Recording & Playback:** View recorded footage stored on the microSD card or optional hard drive. Navigate through timelines to find specific events.
- **Two-Way Audio:** Use the microphone and speaker icons in the app to communicate with visitors or deter intruders through the camera.
- **AI Detection & Alerts:** Receive instant notifications on your smartphone when human or vehicle activity is detected. Customize alert settings to minimize false alarms.
- **Storage Management:** Monitor storage usage and manage recorded files directly from the app.



Image: A smartphone screen showing the Night Owl app's live view interface, with a family walking through a doorway, accompanied by a badge indicating "FREE No Monthly Fees," emphasizing cost-free remote access.



Image: A split image demonstrating Night Owl's AI detection, with one side showing a vehicle and a human highlighted by detection boxes, and the other side displaying a smartphone notification for a detected vehicle, illustrating smart alerts.

Maintenance

Regular maintenance ensures optimal performance and longevity of your security system:

- **Clean Cameras:** Periodically wipe camera lenses and housings with a soft, damp cloth to remove dust, dirt, or smudges that may affect video clarity. Do not use harsh chemicals.
- **Check Connections:** Ensure all power adapters are securely plugged into outlets and the hub. Verify network cables (if used) are firmly connected.
- **Firmware Updates:** Keep your system's firmware updated through the Night Owl Protect app. Updates often include performance improvements and security enhancements.
- **Monitor Storage:** Regularly check the storage capacity of your microSD card or hard drive to ensure continuous recording. Back up important footage as needed.

Troubleshooting

If you encounter issues with your Night Owl security system, refer to the following common solutions:

- **No Video/Offline Cameras:**
  - Ensure cameras and hub are powered on and connected to power outlets.
  - Check Wi-Fi signal strength between cameras and the hub. Relocate cameras closer if necessary.
  - Restart the camera by unplugging and re-plugging its power adapter.
  - Restart the Wi-Fi Hub.
- **Poor Video Quality:**
  - Clean the camera lens.
  - Ensure adequate lighting in the monitored area, especially at night.
  - Check for obstructions in the camera's field of view.
- **False Alerts:**
  - Adjust motion detection sensitivity settings in the app.
  - Define specific detection zones to exclude areas with frequent irrelevant motion (e.g., trees swaying).
- **Storage Full:**
  - Review and delete old or unnecessary recordings via the app.
  - Consider installing a compatible 2.5" SATA hard drive for expanded storage capacity.

Specifications

Detailed technical specifications for the Night Owl Security System:

Feature	Specification
Brand	Night Owl
Model Number	FWR8-64GB-F84L
Connectivity Technology	Wired (for power), Wireless (for data)
Video Capture Resolution	4K
Special Features	Two-Way Audio, Floodlight Camera, AI Human/Vehicle Detection, Weather-Resistant Design
Number of Channels	8
Memory Storage Capacity	64 GB (microSD card included)
Expandable Storage	Yes, via 2.5" SATA HDD (sold separately)
Power Source	Corded Electric
Item Dimensions (L x W x H)	11.41 x 8.46 x 7.28 inches
Item Weight	5.85 pounds

Feature	Specification
Recommended Uses	Outdoor
Compatible Devices	Smartphones
Signal Format	Digital
Frame Rate	30 fps
Recording Mode	Continuous, Motion Detection
Optical Sensor Technology	CMOS
Hardware Interface	802.11 ac/b/g/n
Lens Type	Fixed
UPC	816522027025



Image: The Night Owl Hub displayed alongside a 64GB microSD card and an optional 2.5-inch SATA hard drive, illustrating the system's flexible local storage capabilities.

Warranty

Night Owl products typically come with a limited manufacturer's warranty. Please refer to the support material packet included with your product or visit the official Night Owl website for specific warranty terms and conditions, including coverage duration and claim procedures.

Support

For further assistance, technical support, or to explore additional Night Owl products, please visit the official Night Owl store or support website:

Visit the Night Owl Store

You can also find FAQs, video tutorials, and contact information for customer service on their website.

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