



XHD SERIES

QUICK SETUP GUIDE

Home & Business

SECURITY SYSTEMS

What's in the Box

Package Contents

DISCLAIMER: The exact components of your system, images and quantities may vary depending on your model number. While these may vary, this QSG will address the setup and initial configuration of your DVR and cameras.



DVR



Camera(s)



60 ft. Video/Power Cables
(1 cable per camera)



Power Splitter(s)
(1 per 4 cameras)



6 ft. HDMI (x1)



DVR Power Adapter (x1)



Camera Power Adapter(s)
(1 per 4 cameras)



6 ft. Ethernet (x1)



Safety Sticker (x3)



USB Mouse (x1)



Mounting Hardware

Items Not Included



Monitor



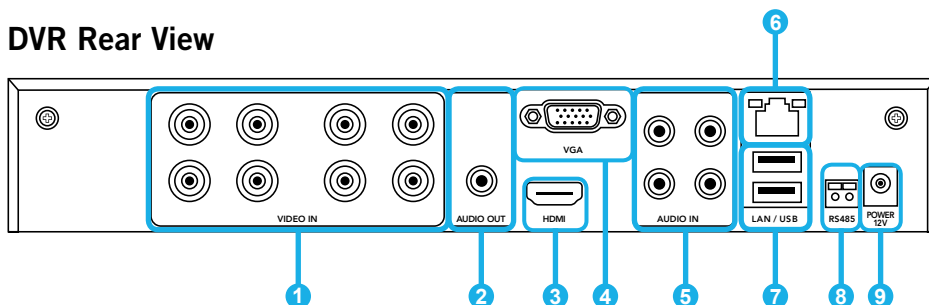
Router

NOTE: Monitor is required for initial setup.

IMPORTANT: For best results, use all the included Night Owl accessories. Third-party accessories may not work properly.

Product Overview

DVR Rear View



*Images used are for reference only. Your product may vary slightly.
An 8 channel model is displayed above.*

- 1 Video Inputs** – Allows for the connection of BNC cameras.
- 2 Audio Output** – Allows for the connection of an amplified speaker using an RCA connector.
- 3 HDMI Output** – Allows for the video connection. If the TV/Monitor has an HDMI input, connect the HDMI cable from the HDMI output port on the DVR to the HDMI input port on your TV/Monitor. **NOTE: Preferred method.**
- 4 VGA Output** – Allows for the video connection. If the TV/Monitor has a VGA input, connect the VGA cable from the VGA output port on the DVR to the VGA input port on your TV/Monitor (*VGA Cable not included*).
- 5 Audio Inputs** – Allows for the connection of audio enabled cameras by connecting the white RCA plug to one of the audio inputs. After making the audio input connection, be sure to enable the audio function in the DVR's menu interface.
- 6 RJ-45 (Ethernet) Port** – Used to connect the DVR to your router/modem via the included Ethernet cable.
- 7 USB Ports** – Allows for the connections of a USB mouse and/or a USB flash drive. You will connect the included USB mouse to assist you in navigating the DVR's menu interface. You will connect a USB flash drive to download video files from the DVR and save them to your USB flash drive.
- 8 RS-485 (PTZ) Port** – Allows for the connection of a Pan-Tilt-Zoom (PTZ) camera. Some PTZ cameras utilize Up-the-Coax (UTC) technology and will not require the RS-485 port to function. **NOTE: Not all PTZ cameras utilize the RS-485 port to function.**
- 9 Power Input** – Used to connect the included 12V DC power supply.

Connecting Your System



- 1 Plug included HDMI cable into the HDMI port on the back of the DVR.



NOTE: Monitor is required for initial setup. To view cameras, TV/Monitor must be tuned to the same Input the HDMI is plugged into.

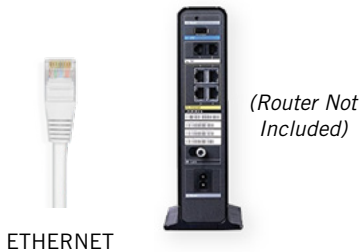
- 2 Plug the other end of the HDMI cable into the back of the TV or Monitor.



- 3 Plug the USB mouse into the USB port on the back of the DVR.



- 4 Plug the included Ethernet cable into the LAN port on the back of the DVR.



- 5 Plug the other end of the Ethernet cable into a numbered port on the back of the router.

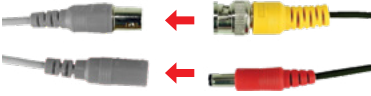


DISCLAIMER: Camera/cable quantities may vary.

STOP: BEFORE installing, test each camera locally to confirm they function properly.

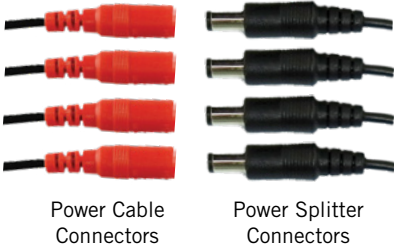
FROM Camera

TO Camera



NOTE: Audio enabled cameras will have a white RCA connector to transmit audio signal (Optional).

- 6 Connect the ends of the cable attached to the camera to the ends of a video/power cable labeled **TO CAMERA ONLY**.



Power Cable Connectors

Power Splitter Connectors

- 8 Connect the red female power leads of the video/power cables to the male power splitter ends.

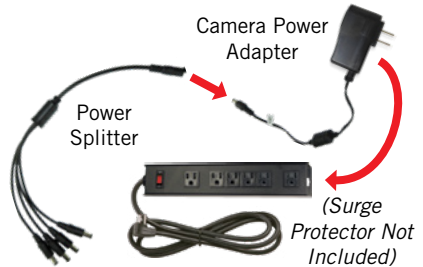


- 10 Connect the DVR power adapter to the Power Input on the rear of the DVR.



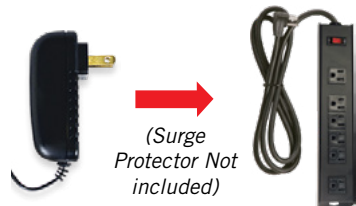
NOTE: Make sure you twist and lock BNC connectors.

- 7 Connect the BNC connector of the video/power cable labeled **TO DVR ONLY** to an open video input on the DVR.



NOTE: Power adapters are labeled **TO CAMERA ONLY** and **TO DVR ONLY**.

- 9 Connect the power splitter to the camera power adapter and plug the adapter into a surge protector or Uninterruptible Power Supply (UPS).



NOTE: Some systems will beep upon booting up.

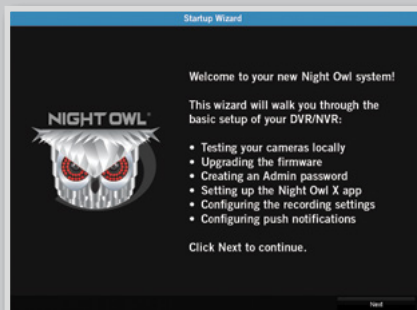
- 11 Plug the DVR power adapter into a surge protector or Uninterruptible Power Supply (UPS).

NOTE: Check that the UPS or surge protector is switched ON.

Booting Up for the First Time

Startup Wizard

- 1 When you power on the DVR you will be prompted with the following screen. Please follow the instructions to complete the Startup Wizard.



Important... Please Read

- 2 On the **Password Creation** screen, please note the following:



Admin Account Creation

By default, the username will be **admin**. It must remain **admin** upon your initial account configuration. However, you may add additional users at a later time.

NOTE: Password can be any alphanumeric combination between 6 and 20 characters.



Recovery Email Address

Please ensure you provide a valid email address in case you ever forget your account information.

NOTE: You **MUST** enter a **VALID** email address. If you **don't**, you will have to call Tech Support to reset your password, and that just seems like a waste of time.



Remember Your Password

Night Owl strongly recommends writing down your password within the Quick Setup Guide. You will need it every time you log into your DVR and to remotely view on a Smart Device.

Write your
password here:

- 3 When you reach the **Camera / Channel Settings** screen, you will want to have installed the cameras in their final position. Please make sure you have mounted cameras at least 7ft. above the ground and angled them slightly down.

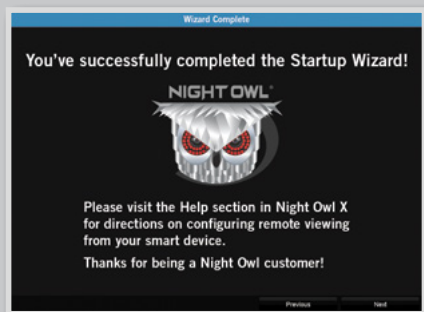


NOTE: If your camera has an infrared sensor, it works best for 'side to side' movement across the camera's field of view as opposed to directly to or away from the camera.

At this stage of the Startup Wizard, you will be instructed on adjusting the camera sensitivity and setting the Motion Detection Area. Having your cameras in their final position will be key.

To detect motion for the front door to your home, place the camera to the side of the entrance.

- 4 This is the last screen you will see when you have successfully completed the Startup Wizard.

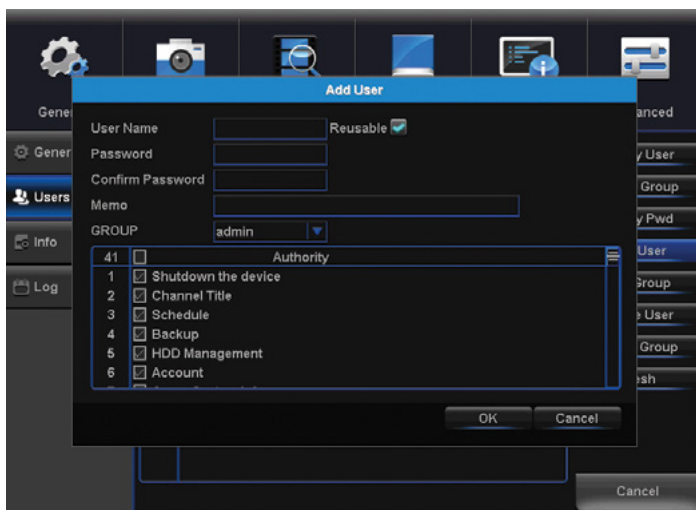


NOTE: Need more help configuring your DVR? Please refer to the owner's manual located on the support page at www.NightOwlSP.com.

Creating Additional Users within the DVR

The **admin** of the DVR has more privileges than standard users. When configuring your system for remote viewing, we strongly recommend not giving more than one (1) smart device **admin** access. Up to three (3) users can remotely view the DVR simultaneously. If there are multiple users who will be viewing the DVR on their smart device, we encourage the **admin** to create additional users at the DVR level.

To add additional users to the DVR:



- 1 Right click to pull up the Menu.
- 2 Select Menu.
- 3 Login.
- 4 Select System.
- 5 Select User.
- 6 Select Add User.
- 7 Create a Username and Password for the new user.
- 8 Select the appropriate authority group for the user (user/admin).
- 9 Check or uncheck authority options to set user or admin permissions.
- 10 Select OK to apply new settings.

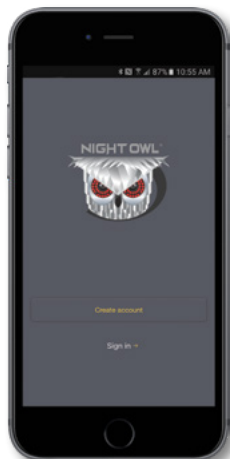
NOTE: If the **admin** login is used on multiple smart devices simultaneously, additional users will be able to override **admin** changes.

Night Owl X & Night Owl X HD Mobile Apps

Night Owl fits right in with your mobile lifestyle by allowing you to remotely monitor your home or business. Our free and exclusive Night Owl X App for iOS® and Android™ phones and Night Owl X HD for iOS® and Android™ tablets are available in the *App Store* and *Google Play Store*.



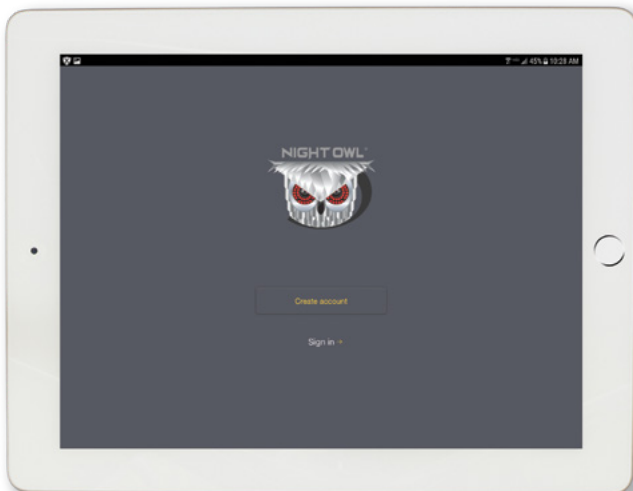
NOTE: To ensure the best customer experience make sure you download the correct app for your device.



Night Owl X

Smartphones

For remote viewing on an iOS® or Android™ phone, make sure you download **Night Owl X**.



Night Owl X HD

Tablets

For remote viewing on an iOS® or Android™ tablet, make sure you download **Night Owl X HD**.

Using Night Owl X & Night Owl X HD

Download and Install Application

- 1 Download the appropriate app from the *App Store* or *Google Play Store* and install the application on your device.



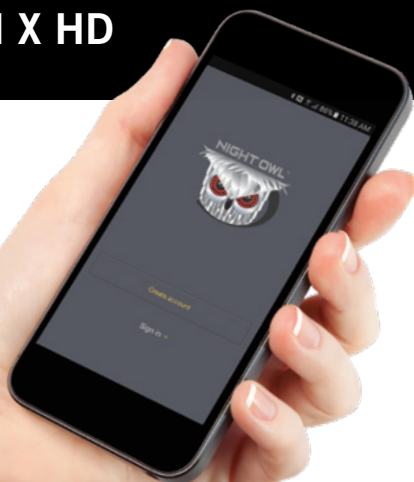
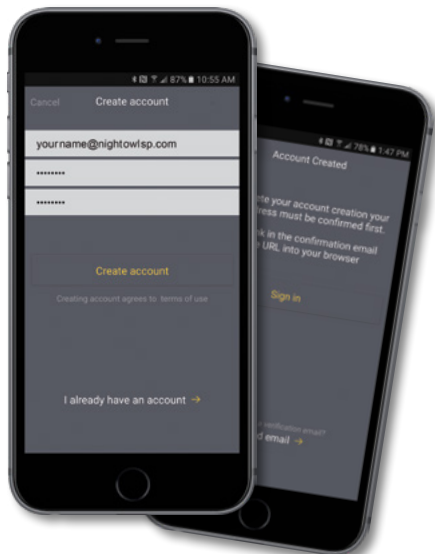
NOTE: Use correct app for compatibility.



Smartphone:
Night Owl X



Tablet:
Night Owl X HD



NOTE: Account setup is the same for phone and tablet.

- 2 Create an account using an email address for the username and a password between 6–20 characters. This account allows the user to login to Night Owl X and Night Owl X HD. Please note, this is **NOT** the login info created for the DVR, this login is unique to the Night Owl X and Night Owl X HD apps. The DVR login should be stored on page 5, step #2 of this QSG.
- 3 To confirm your email address, click the link in the confirmation email from “Night Owl (no_reply@NightOwlsp.com)”.

NOTE: Check your spam/junk inbox.



You **MUST** complete Step 3 before continuing! Go to your email, open the Confirmation email from Night Owl, and click the “Confirm Email” link. You **MUST** confirm your email to use the app!

Connecting and Adding your Device

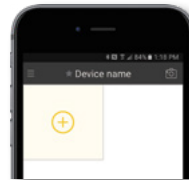
NOTE: When adding a new device, it may take 5–10 minutes before you begin receiving notifications.

A device can be added to the Night Owl X App by using the application's **Smart Auto Detection** or through a **QR Code Setup**. With Smart Auto Detection, your DVR will automatically be detected by the Night Owl X software, making connecting easy! To use this preferred method, ensure your Smart Device and DVR are both on the same network.



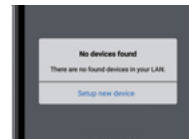
4 Adding a Device

To begin adding a new device, first select the yellow plus sign within the Device menu.



4A Smart Auto Detection

If your Smart Device and DVR are on the same network, the Smart Auto Detection will auto find your DVR. If this method is not available, please use the QR Code Setup from step 4B below.



4B QR Code Setup

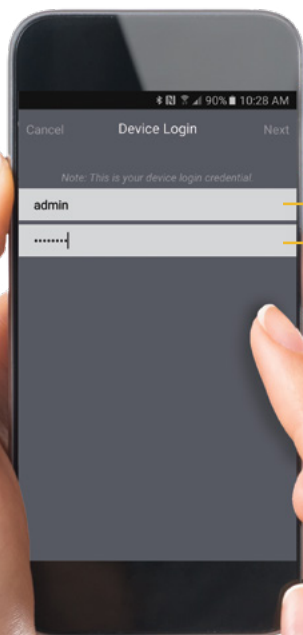
To use the QR Code Setup, select Setup device by QR Code and hover your Smart Device camera lens over the QR Code located on the top of your DVR.



Using Night Owl X

Login to your App

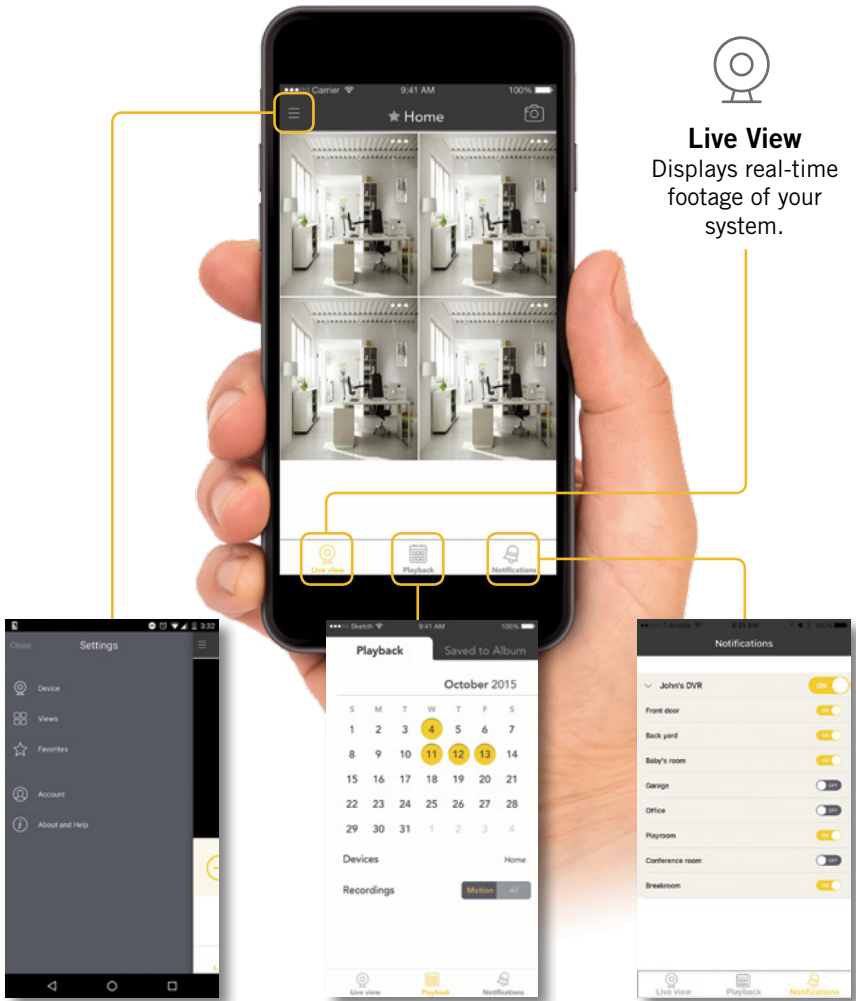
- 5 On the Device Login screen, enter the login information for the DVR (Remember, the DVR login and Night Owl X app login are different). The DVR username is **admin** by default. If you are not the **admin**, login with your username credentials.



admin is case sensitive
(all lowercase).

The password will be the same password you created during the Startup Wizard and should be stored in your QSG.
Please note: this is the password of your DVR, NOT the password used to login to the Night Owl X App. You must key the DVR password verbatim to add it to the app.

App Overview



Live View

Displays real-time footage of your system.



Settings

Display connected devices, change view layout, view favorites, manage accounts and access the help section.



Playback

View recordings & images and save them to your phone's album.



Notifications

Manage custom Push Notifications.

Using Night Owl X CMS Software

Access your DVR from any computer, anywhere!



Live View

Viewing live video, controlling PTZ functionality and setting image parameters.



Playback

View system recordings and images and save them directly to your PC or Mac®.



Device Manager

Add and configure available DVRs and cameras on your network.

Night Owl X CMS Software

The Night Owl X Control Management Software (CMS) allows you to view your Night Owl Security system remotely from a PC or Mac®. Additionally, you can playback recorded video, save video and images directly to your PC or Mac®, configure numerous settings such as channel names and set record preferences.

To download the CMS Software:

- 1 Go to www.NightOwlISP.com.
- 2 Click on the Support tab.
- 3 In the search bar, type "X CMS".
- 4 Download the **Night Owl X CMS** software.
- 5 Once downloaded, select **PC** or **Mac®**.

Frequently Asked Questions

FAQs

1. Does my DVR have to be connected to the Internet?

Your DVR does not require an Internet connection for basic operation, but you will need to connect the DVR to your router to remotely view your system on a PC/Mac® or Smart Device.

2. Does my DVR have to be connected to a TV or monitor?

For initial setup, you will need to connect your DVR to a TV or monitor. After completing the initial setup, your DVR does not need to be connected to a TV or monitor to view or capture recordings. You can view your system using the Night Owl X CMS Software on a PC/Mac® or by downloading the Night Owl X or Night Owl X HD Apps on your Smart Device.

3. Are my cameras weatherproof?

Yes, your cameras are weatherproof and will endure minimal moisture and dirt/debris. However, Night Owl strongly recommends placing all outdoor cameras under an eave or awning to help shield them from overexposure to the elements, which could reduce your camera's lifespan.

4. Why does my camera stop working at night?

Your camera might not be receiving enough power for the LEDs needed for Night Vision. Plug the camera directly into the camera power adapter (bypassing the splitter) to see if the LEDs turn on. If they do, you may need to purchase an additional camera power adapter for that camera.

5. Why is the Night Owl X or Night Owl X HD App not accepting my password?

The Night Owl Apps require two passwords. One is for logging into the app, and the other is the DVR's admin password. To add a device to the app, enter the DVR's admin password. Remember, you **MUST** confirm your email by clicking the "Confirm Email" link in the verification email sent by Night Owl during setup.

6. Why can't I connect using the Night Owl X App, Night Owl X HD App or Night Owl X CMS Software?

If you are having trouble connecting using the mobile app or client software: A) your system may not be connected to a router; B) the latest firmware or client software may not be installed; C) the DVR password was entered incorrectly; D) you may need to restart your DVR; E) the network upload speed may be too slow, contact your ISP.



Need Help?

For system manuals, troubleshooting guides, FAQs, video tutorials and more:

Please refer to the sticker located on top of the device for steps on how to access your product's support material.



Contact Us

PHONE (English, Spanish & French)

Sales/Technical Support

1.866.390.1303

Live Chat 24/7, 365 days a year

EMAIL

Sales Support

Sales@NightOwlSP.com

Technical Support

Support@NightOwlSP.com

WEBSITE

24/7 Product Support

- How-To Videos
- Manuals

www.NightOwlSP.com



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