



QUICK SETUP GUIDE

WNVR SERIES



HD  **WIRELESS**

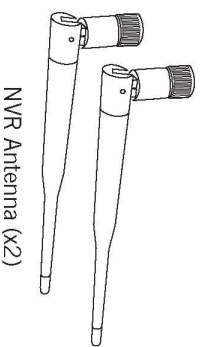
www.NightOwlISP.com



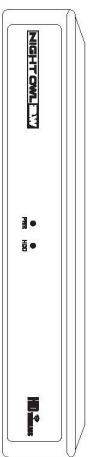
What's in the Box

Package Contents

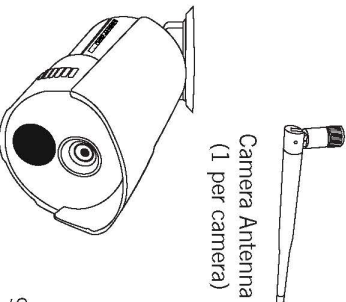
Disclaimer: Images and Quantities may vary by model.



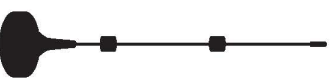
NVR Antenna (x2)



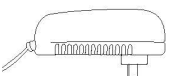
Wireless NVR



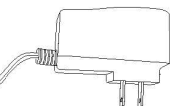
Camera Antenna
(1 per camera)



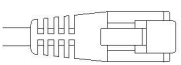
9 ft. Wi-Fi
Extender Antenna
Camera(s) (1 for every 4 cameras)



Wireless NVR Power
Adapter (x1)



9 ft. Camera
Power Adapter(s)



6 ft. RJ-45 Cable
(Ethernet) (x1)



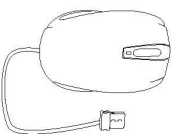
6 ft. HDMI (x1)



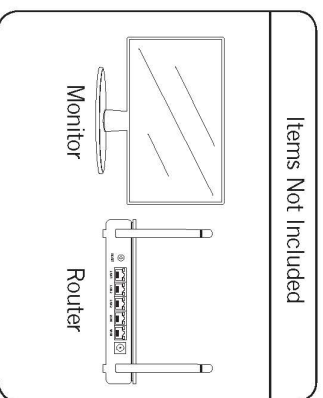
Safety Stickers



Mounting Hardware



USB Mouse (x1)

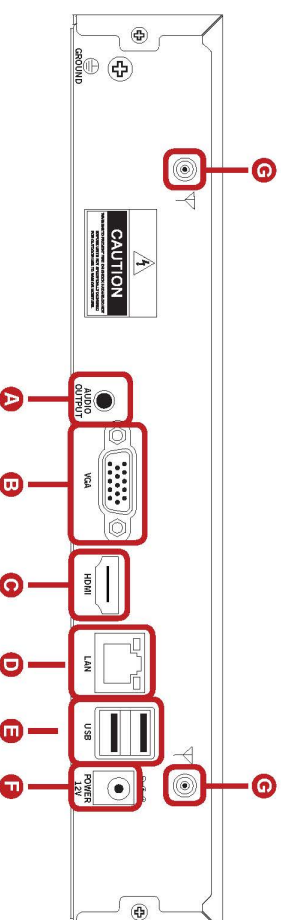


Items Not Included

Monitor

Router

Wireless NVR Specifications



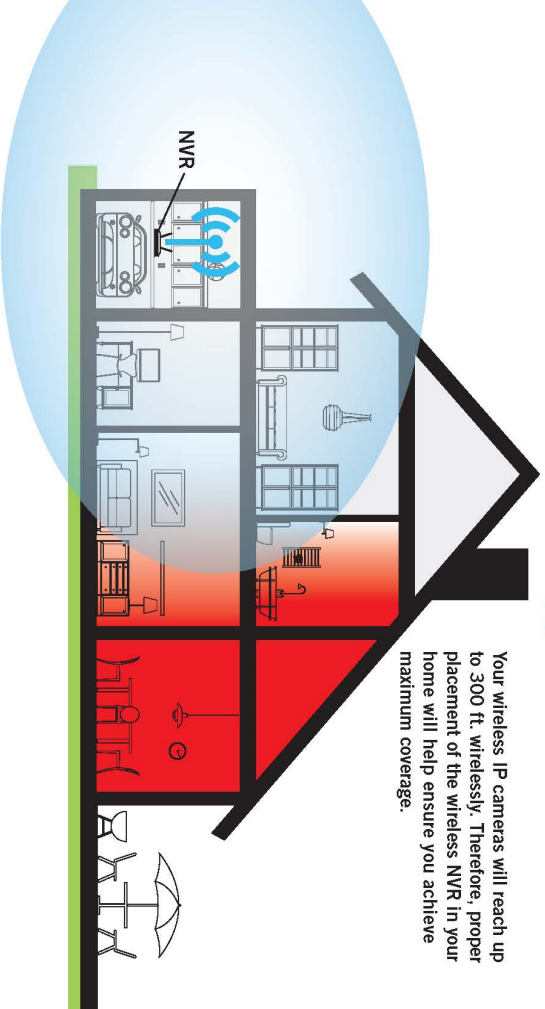
Rear View

The maximum number of cameras you can connect to your Wireless NVR will be determined by the number of channels.

- A Audio Output** – allows for the connection of an amplified speaker.
- B VGA Output** – VGA output allows for a video connection. If the TV/Monitor does not have an HDMI input but does have a VGA input, connect the VGA cable from the VGA output port on the NVR to the VGA input port on your TV/Monitor. (VGA cable not included)
- C HDMI Output** – HDMI output allows for a video connection. If the TV/Monitor has an HDMI input, connect the HDMI cable from the HDMI output port on the NVR to the HDMI input port on your TV/Monitor.
- D RJ-45 (Ethernet) Port** – The RJ-45 port will be used to connect the Wireless NVR to your modem/router for remote viewing. Please note that your Wireless NVR comes with built-in Wi-Fi for the cameras to transmit to the NVR. However, you will need to manually connect the NVR to your modem/router to remotely view on a smart device or PC/Mac®.
- E USB Ports** – USB ports allow for the connection of a USB mouse and/or a USB flash drive. You will connect the included USB mouse to assist you in navigating the NVR's menu interface. You will connect a USB flash drive to download video files from the NVR for long term storage or sharing.
- F Power Input** – Power input is used to connect the included 12V DC power supply.
- G NVR Antenna Mount** – for installation of two included NVR antennas.

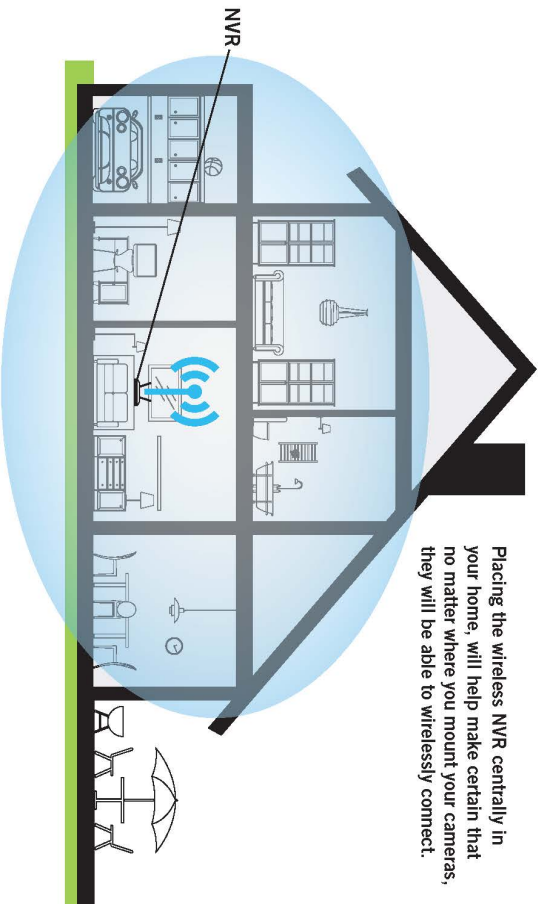
Incorrect Placement ❌

Your wireless IP cameras will reach up to 300 ft. wirelessly. Therefore, proper placement of the wireless NVR in your home will help ensure you achieve maximum coverage.



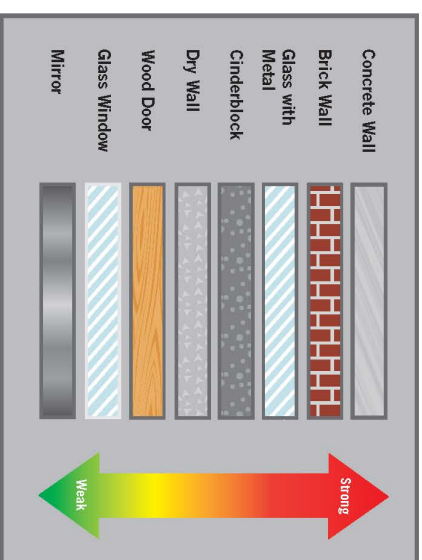
Correct Placement ✅

Placing the wireless NVR centrally in your home, will help make certain that no matter where you mount your cameras, they will be able to wirelessly connect.



How Obstacles Affect Your Signal Strength

When your wireless signal is transmitted through various materials, such as walls and windows, the signal strength is affected. Though the NVR and wireless camera may be very close in proximity, you could still notice high signal interference if the signal passes through certain obstacles. For instance, if the signal passes through a concrete wall it will be severely weakened. Please reference the below chart to see which obstacles highly affect your signal and which do not.



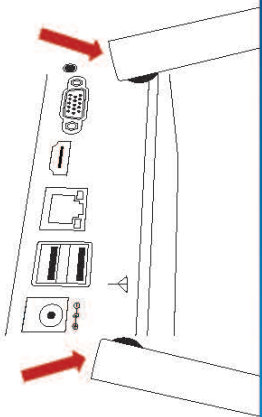
NOTE: If your setup requires the signal to be transmitted through an obstacle that severely weakens it, you can use the 9 ft. Wi-Fi Extender Antenna included with your system. The Extender Antenna can be used to bypass the obstacle weakening the signal. Simply replace the white Camera Antenna with the Extender Antenna and then mount the Extender Antenna on the opposing side of the obstacle.

Powering the NVR and Wireless Cameras

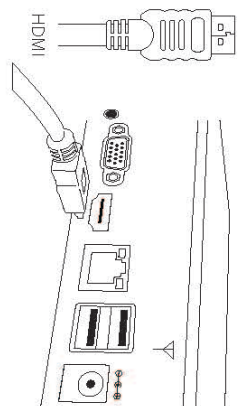
Your Wireless NVR must be powered on using the NVR power adapter. Similarly, each wireless camera must be powered with a camera power adapter. Though these cameras wirelessly transmit video to the NVR, they are not battery powered, and must therefore be powered via the included adapters. Each camera within your system will come equipped with its' own camera power adapter.



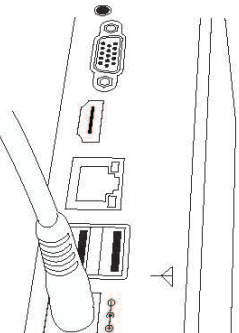
Connecting Your System



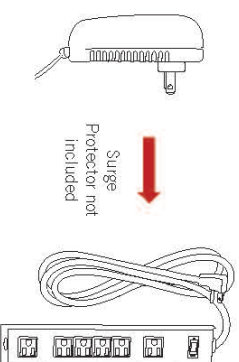
1 Connect the two included antennas to your wireless NVR. This will ensure you achieve the maximum wireless range for transmission from your wireless cameras.



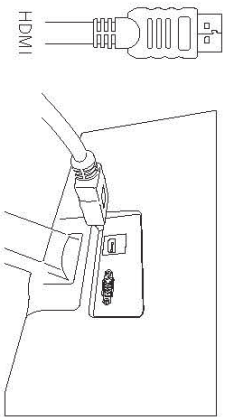
2 Plug one end of the included HDMI cable into the HDMI port on the back of the Wireless NVR.



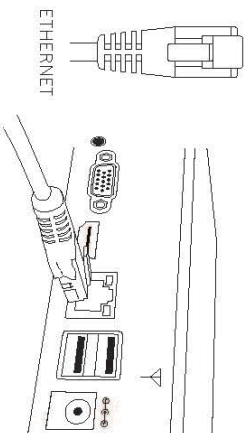
7 Connect the Wireless NVR power adapter to the Power Input on the rear of the Wireless NVR.



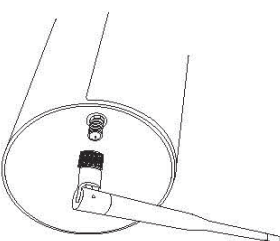
8 Plug the Wireless NVR power adapter into a surge protector or Uninterruptible Power Supply (UPS). (surge protector and UPS not included)



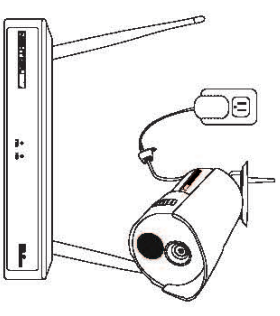
3 Plug the other end of the HDMI cable into the back of your TV or monitor.



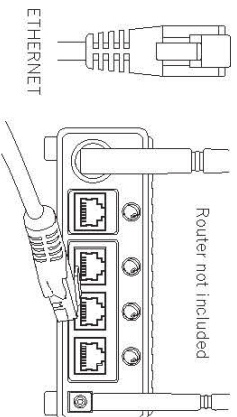
4 Plug one end of the included Ethernet cable into the LAN port on the back of the Wireless NVR.



9 Connect the included camera antenna to the antenna mount on the camera.



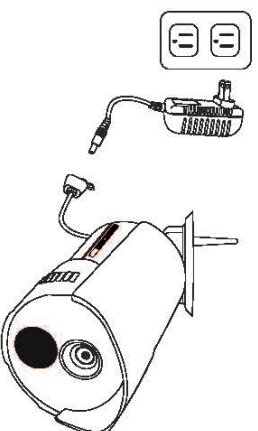
10 To ensure all cameras are working properly, please test them locally before installing them.



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

The Camera and NVR power adapters will be appropriately labeled.

6 Ensure you are using the correct power adapter when setting up your system.



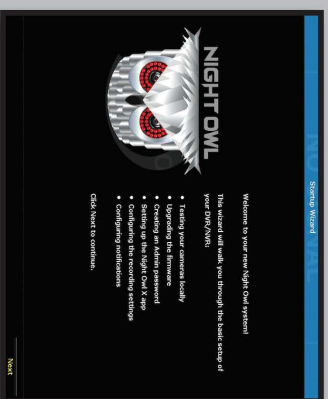
11 Each camera comes equipped with its' own camera power adapter. Connect the female power cable coming from the camera to the male power end of the camera power adapter. Next, plug the camera power adapter into a wall outlet.

You should see each camera appear on your TV/Monitor. You may now proceed to install your Wireless NVR cameras in the desired location.

Booting Up for the First Time

Startup Wizard

- 1 When you power on the Wireless NVR 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.

Recovery Email Address

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



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 Wireless NVR and to remotely view on a Smart Device.



Write your password here:

- 3 When you reach the '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.

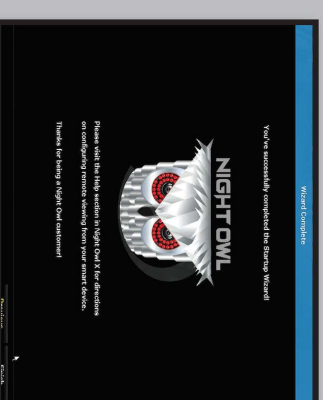


The infrared sensor works best for 'side to side' movement across the cameras field of view as opposed to movement directly to or away from the camera

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.

So, if you would like 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: For additional configuration of your Wireless NVR, please refer to the owner's manual located on our support page at www.NightOwlSP.com.

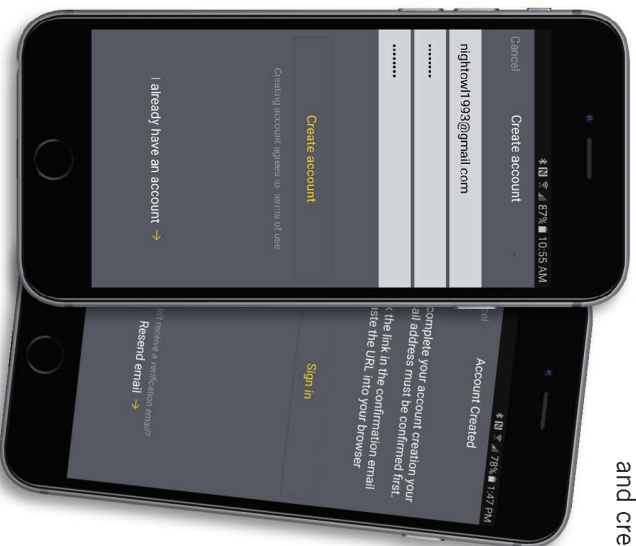
Using Night Owl X

Download and Install Application

- 1 Download **Night Owl X** from the *App Store* or *Google Play Store* and install the application on your device.



- 2 Create an account by entering an email address for your username and creating a password.



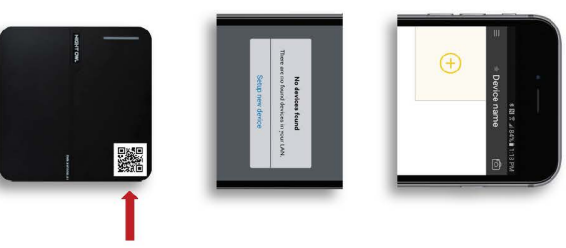
- 3 Click the link in the email that was sent to you after you created your account to confirm your email address.

Adding Device and Login

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 Wireless NVR will automatically be detected by the Night Owl X software, therefore making connecting easy! To use this preferred method, ensure that your Smart Device and Wireless NVR are both on the same network.



- 1 To begin adding a new device, first select the yellow plus sign within the Device menu.
- 2 If your Smart Device and Wireless NVR are on the same network, the Smart Auto Detection will auto find your Wireless NVR. If this method is not available, please use the QR Code Setup.
- 3 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 Wireless NVR.



Using Night Owl X

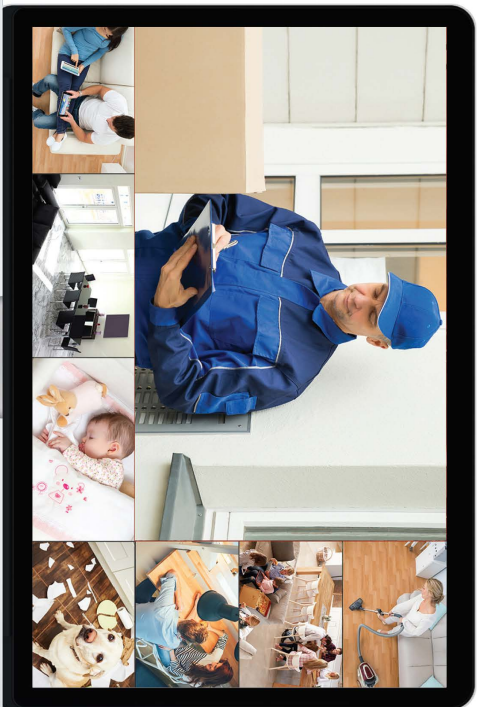
- 4 You will now be required to enter the login information for your Wireless NVR to add it. The Wireless NVR username is **admin** by default.



App Overview



Access your Wireless NVR from any computer, anywhere!



Key Features

- Remotely view live video from your NVR.
- Stream live audio from individual cameras.
- Remotely playback recordings.
- Save recordings and images directly to your PC/Mac®.
- Add multiple NVR/DVRs to the software and view cameras from separate systems simultaneously.

Night Owl X CMS Software

The Night Owl X CMS Software 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:

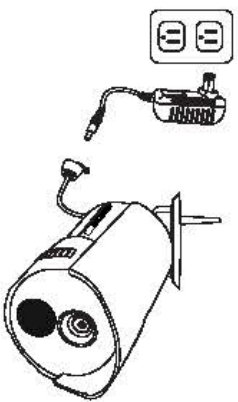
- A** Go to www.NightOwlISP.com
- B** Click on the Support tab
- C** Enter your model number in the search bar
- D** Select either the **PC or Mac®** version of the software and download

Pairing a Replacement Wireless Camera

By default, each camera within your Wireless NVR kit comes pre-paired to the Wireless NVR. Additionally, your wireless NVR has its own built-in Wi-Fi for secure, uninterrupted, video transmission and recording. Pairing allows for the wireless transmission coming from the camera to be detected by the Wireless NVR. However, if you have a camera that needs to be replaced while under warranty, the replacement camera will similarly need to be paired to the NVR.

To pair a replacement camera to your NVR, please use the below steps:

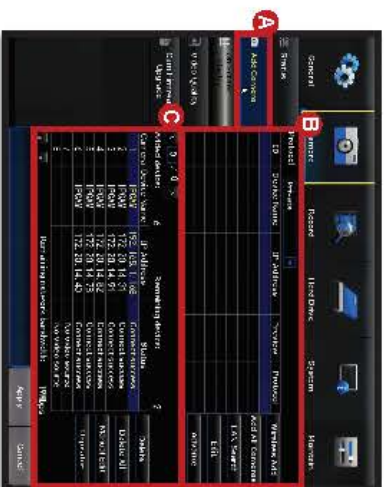
- 1 Power on the replacement camera using the camera power adapter.



- 2 With the NVR connected to a TV/monitor, right click on your mouse and navigate to the Main Menu using the options bar.

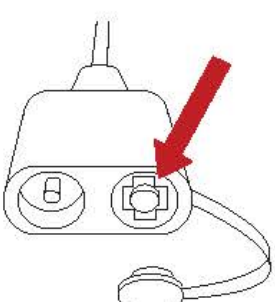


- 3
 - A Go to the Camera Menu and Select the **Add Camera** tab on the left side of the menu.
 - B The top portion of the screen will list cameras that have been found but not yet paired.
 - C The bottom portion of the screen will show all cameras that are currently paired to the NVR.



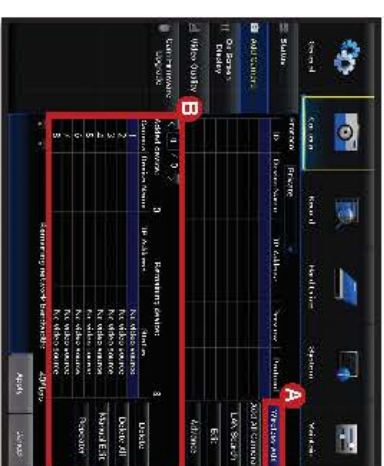
- 4 Next, you will need to reset the replacement camera. To do so, press and hold the reset button until you hear a beep, indicating the camera has begun the reset process.

NOTE: The reset process may take up to 3 minutes.



- 5
 - A After 3 minutes have passed, click on **Wireless Add** located on the Add Camera screen. Your NVR will now search for new cameras.

- NOTE:** The replacement camera will not appear in the bottom screen with all other paired cameras until the NVR finishes the process of finding and pairing the new camera.



- 6 Within the **Wireless Add** screen, the “Number of Cameras Connected” signifies those cameras that are already paired to the Wireless NVR and will not immediately reflect this new camera.

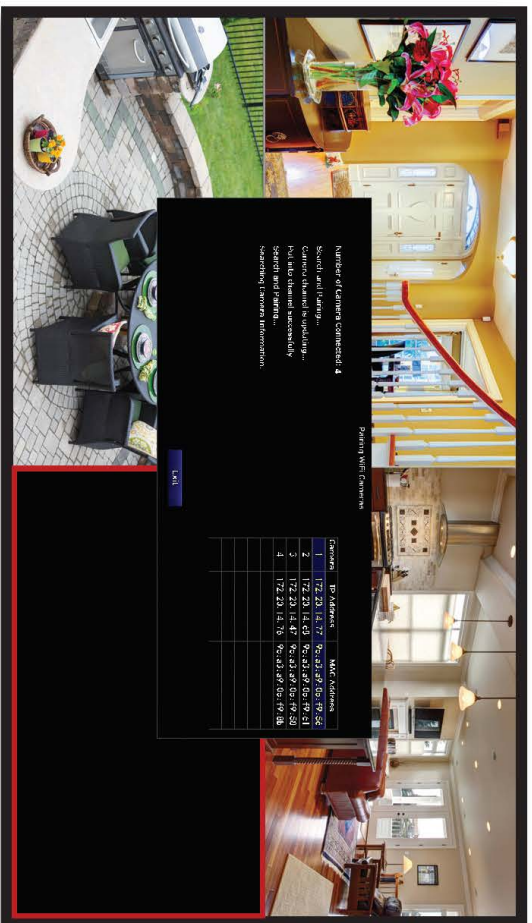
NOTE: You cannot exceed the number of Wireless NVR channels you have. If you have a 4 channel system, the maximum number of cameras you can have paired is 4.



Pairing a Replacement Wireless Camera

Additional Support

- 7 If you have not exceeded the channel limitation, the new camera will appear in a vacant video field once paired.



- 8 **Congratulations!** Your replacement camera has now been paired to the Wireless NVR using the Wireless NVR's built-in Wi-Fi.

WIRELESS SIGNAL UP TO 300 ft.

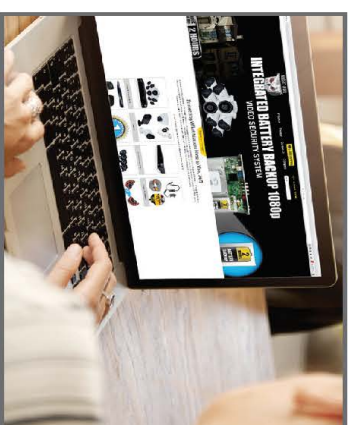


FAQs

1. **Does my wireless NVR have to be connected to the Internet to work?**
No, your wireless NVR does not have to be connected to the Internet to work. You can view live feed and recordings by connecting it to a TV/Monitor via HDMI or VGA.
2. **Will I be able to view my system while away from home?**
In order to view your wireless system remotely, your NVR will need to be manually connected to a modem/router via the included Ethernet cable. You can view your system via the FREE Night Owl X App or by utilizing the FREE CMS software on a PC/Mac®.
3. **How do the cameras transmit video to the NVR?**
Our wireless NVRs have built-in Wi-Fi for communicating with the cameras. Each camera comes paired to the wireless NVR by default, so your initial setup should be hassle free.
4. **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.

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

1. Please visit www.NightOwlSP.com
2. Click the Support tab
3. Enter your product's model number in the search bar
4. Access the support material needed





CONTACT US

PHONE (English & Spanish)

Sales Support

1.866.390.1303, Option 3
9:00 am – 6:00 pm EST
Monday – Friday

Technical Support

1.866.390.1303, Option 4
Live Chat 24/7, 365 days a year

WEBSITE

24/7 Product Support

- How-To Videos
- Manuals
- Firmware Updates



www.NightOwlSP.com



iPhone, iPad, Mac and Mac OS X are registered trademarks of Apple Inc.
Windows, Windows XP, Windows Vista, Windows 7, Windows 8 and Windows 10 are registered trademarks of Microsoft Corporation in the United States and/or other countries.

FCC RADIATION NORM

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Compliance Statement

These limits are designed to provide reasonable protection against frequency interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed or used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in television reception, which can be determined by turning the equipment off and on. The user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION!

The Federal Communications Commission warns the user that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.