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

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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.

QUICK SETUP GUIDE

WNVR SERIES

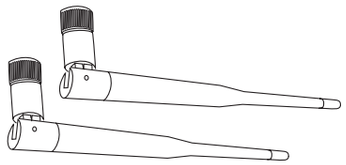
HD WIRELESS

www.NightOwlSP.com

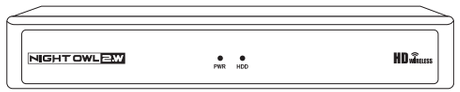
What's in the Box

Package Contents

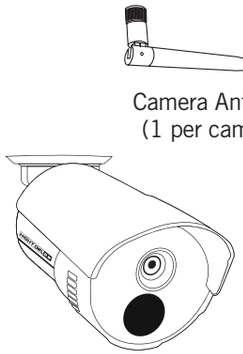
Disclaimer: Images and Quantities may vary by model.



NVR Antenna (x2)



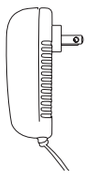
Wireless NVR



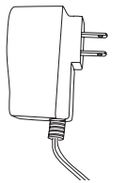
Camera Antenna
(1 per camera)

Camera(s)

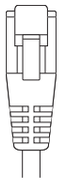
9 ft. Wi-Fi
Extender Antenna
(1 for every 4 cameras)



Wireless NVR Power
Adapter (x1)



9 ft. Camera
Power Adapter(s)

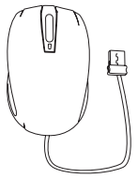


6 ft. RJ-45 Cable
(Ethernet) (x1)

6 ft. HDMI (x1)

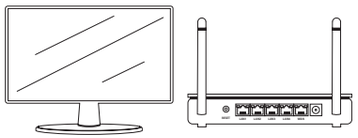
Safety Stickers

Mounting Hardware



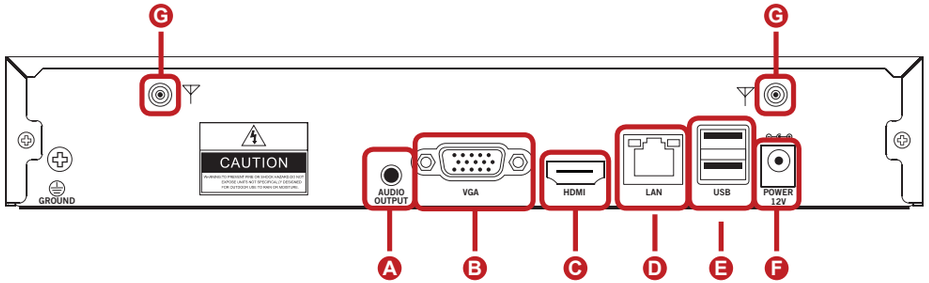
USB Mouse (x1)

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.

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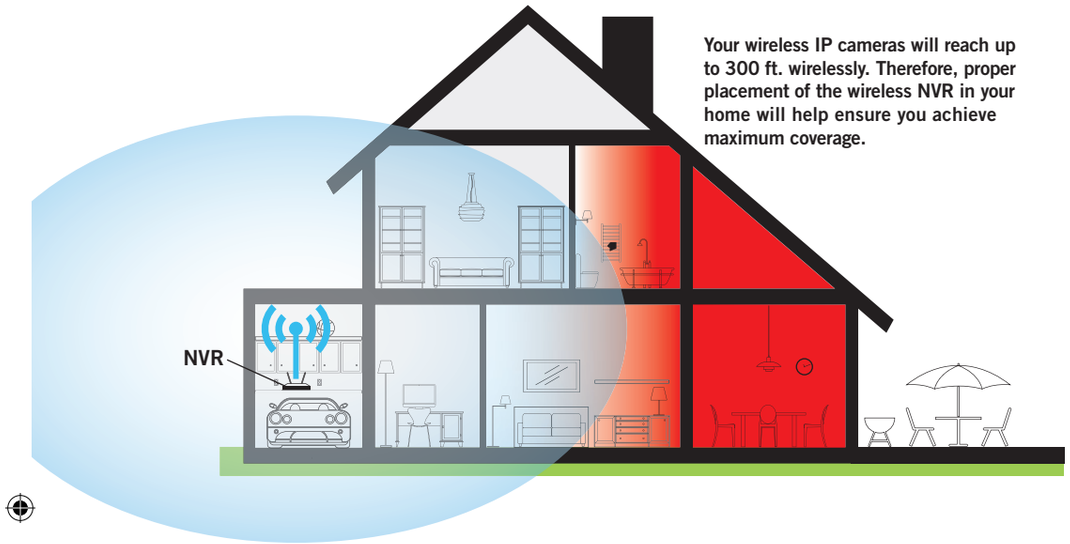
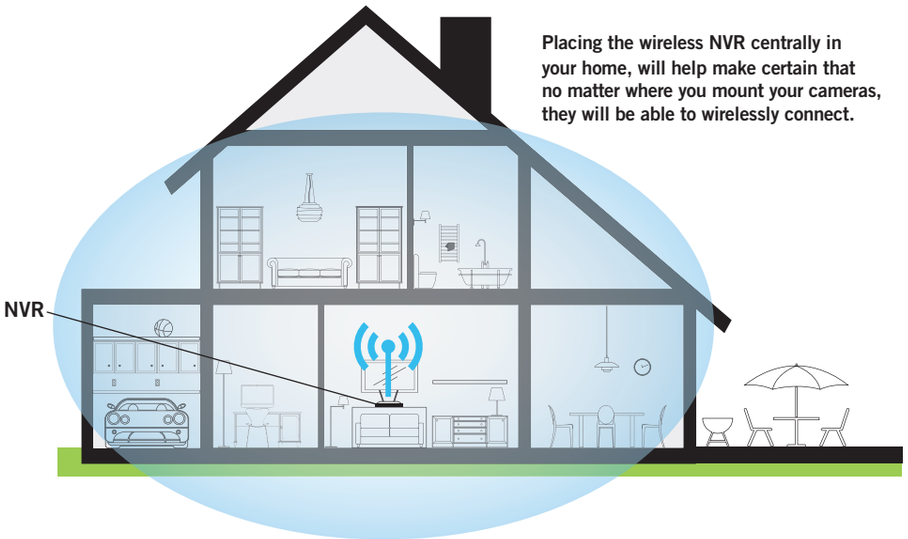
Positioning Your Wireless NVR and Cameras

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.

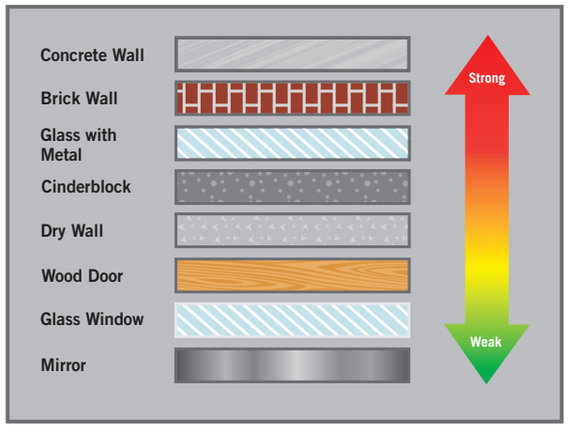
Correct Placement



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

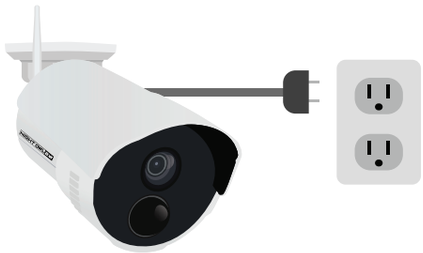
When your wireless signal is transmitted through various materials, such as walls and windows, the signal strength is affected. Though the NVR and wireless camera may be very close in proximity, you could still notice high signal interference if the signal passes through certain obstacles. For instance, 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.



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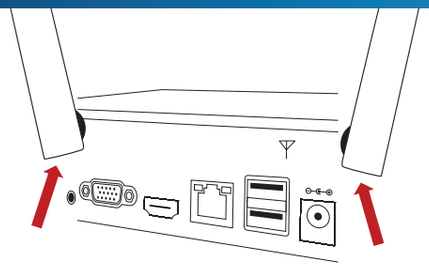
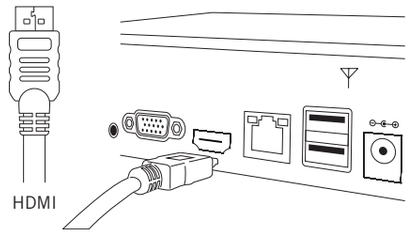
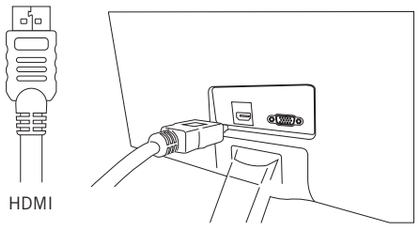
Connecting Your System



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.

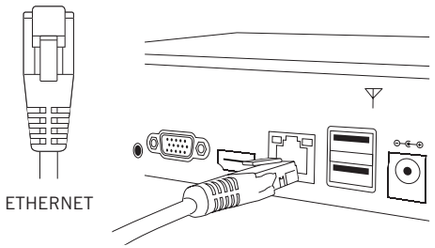


2 Plug one end of the included HDMI cable into the HDMI port on the back of the Wireless NVR.

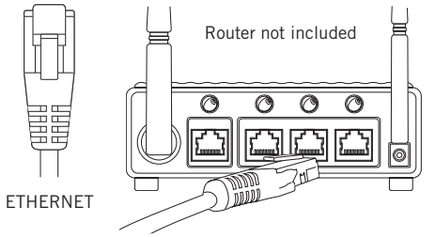


You may also connect using VGA (not included)

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



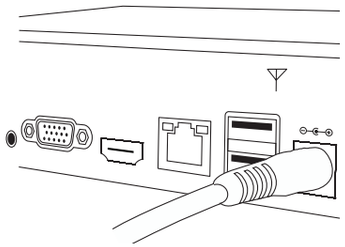
4 Plug one end of the included Ethernet cable into the LAN port on the back of the Wireless NVR.



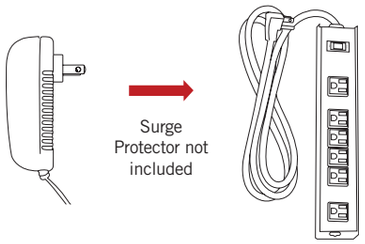
5 Plug the other end of the Ethernet cable into a port on the back of your router.

The Camera and NVR power adapters will be appropriately labeled.

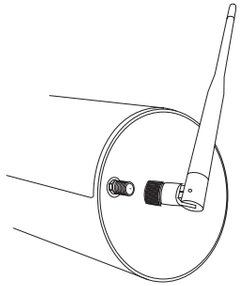
6 Ensure you are using the correct power adapter when setting up your system.



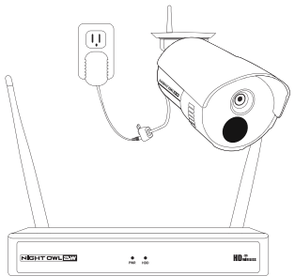
7 Connect the Wireless NVR power adapter to the Power Input on the rear of the Wireless NVR.



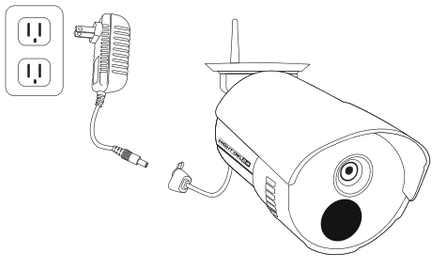
8 Plug the Wireless NVR power adapter into a surge protector or Uninterruptible Power Supply (UPS). (surge protector and UPS not included)



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.



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.

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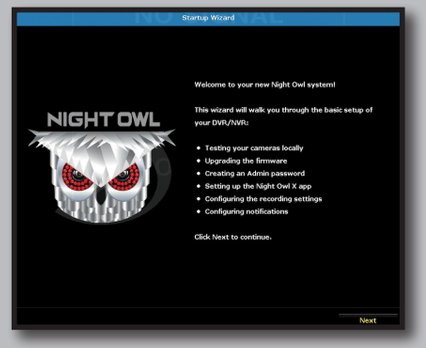
Booting Up for the First Time

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 your 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:

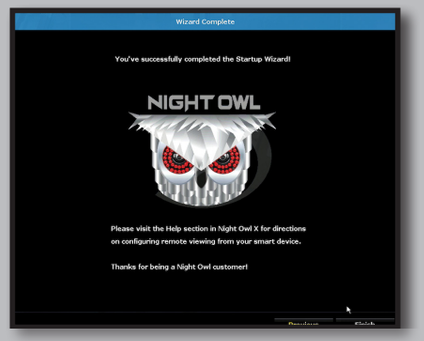
3 When you reach the **'Channel Settings'** screen, you will want to have installed the cameras in their final position. Please make sure you have mounted cameras at least 7ft. above the ground and angled them slightly down.

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.

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