



Smart Business Security System Quick Start Guide

1 Getting to know your Business Security System

The Zmodo Business Security System provides a full-featured monitoring solution to cover your entire business space. The business system includes an NVR for local storage, HD cameras with cloud storage options, and sPoE Repeaters to connect the cameras. The sPoE repeater allows you to run one cable from your router to power on multiple cameras in each zone of your business. It will also allow for longer cable runs from your NVR.

Network Requirements:

720p cameras: Requires at least 1mbps upload when live viewing or 2mbps upload when using the Cloud Service for each camera.

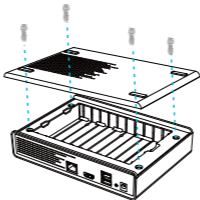
1080p cameras: Requires at least 2mbps upload when live viewing or 4mbps upload when using the Cloud Service for each camera.

In order to optimize bandwidth and the number of ports on your WiFi router, you may use a network switch, however your sPoE Repeater(s) and NVR must be connected to the same network.

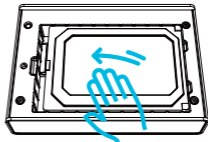
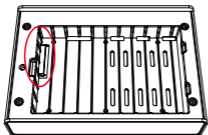
2 Hard Drive Disk Installation

If your system does not include a pre-installed hard drive (HDD), you can purchase your own and follow the steps below for installation. Make sure that you purchase a 3.5" HDD optimized for always-on read/write surveillance, e.g. **low-powered WD10PURX** HDD.

- 1 Make sure that your NVR is powered off and unplugged from the power source. Using a screwdriver, remove the four screws located on the bottom panel as shown below.

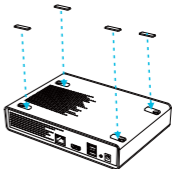


- 2 Slide your HDD until the SATA ports on the NVR and the corresponding ports on the HDD are properly connected, and the HDD is secure.



- 3 Replace the cover, and fasten the screws into the corresponding holes using a screwdriver.

- 4 Peel the cover from the four rubber pads (provided) to expose the adhesive backing. Press firmly onto the bottom panel to cover the four screws.



NVR Status Indicator

NVR Status Indicator will let you know the status of your NVR. Please refer to the chart for specific details.



Solid green

The NVR is powered on and no IP cameras have been detected.

Solid blue

IP cameras and a hard drive have been detected by the NVR.



Blinking blue

The NVR is recording video to the hard drive.



Solid red

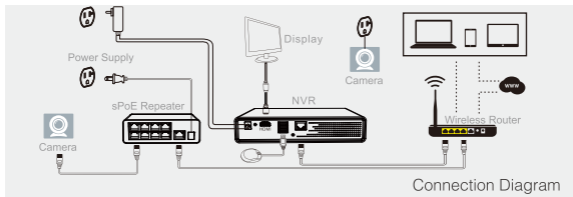
There is no hard drive, or there is a malfunction with your hard drive.



Blinking red

Your NVR may have encountered an error. Try restarting the NVR. If the problem still persists, please contact Zmodo Support.

3 Connecting your system



- 1 Find a suitable location for your NVR and sPoE Repeater(s) and plug them into nearby power outlets.
- 2 Connect the NVR and the sPoE Repeater to an open ethernet port on your WiFi router or network switch (not included). The sPoE Repeater(s) and NVR must be connected to the same network. You may use the provided ethernet cables.
- 3 Connect the wired cameras to the ports on the sPoE Repeater using the provided simplified Power over Ethernet (sPoE) cables. This cable will provide both video and power to your cameras. Please connect all cameras and make sure that they work before performing permanent installation.
- 4 (Optional) You can connect an external monitor to view your NVR locally. Use the HDMI port (cable not included) to connect your NVR to a local display, and connect a USB mouse to control it.

Note: There will be no password when you first use your NVR locally. However, we strongly recommend that you set a password after you configure your NVR. Set a password by going to the Main Menu > General Settings > Account Settings.

Safety Requirements

- Place your NVR and sPoE Repeater in a well-ventilated area.
- Do not place any objects on top of your NVR or sPoE Repeater.
- Try to keep your NVR and sPoE Repeater in a cool operating temperature.
- Do **NOT** move or shake the NVR while operating, or else the hard drive will be damaged.
- Use a surge protector to protect the NVR and the sPoE Repeater from shortages.
- Use only the provided power adapters with your products.
- If water or any liquid comes into contact with the NVR and the sPoE Repeater, unplug it immediately and contact Zmodo support.

4 Mobile Setup

Before you perform any permanent installation, make sure you complete the mobile setup to configure your WiFi cameras and NVR kit.

Before you begin:

- Make sure that you have a strong WiFi connection at the location of your cameras. Visit www.zmodo.com/support for advice on improving your WiFi signal range.
- Make sure you know the SSID (WiFi network name) and password of the **2.4GHz WPA-PSK/WPA2-PSK WiFi network** that you want your camera to connect to. Your network cannot be hidden.
- Download and install the “Zmodo” app from Google Play™ or the App Store™ (compatibility: iOS® 9.0+ or Android™ 4.0+). Launch the app and sign up for a free Zmodo account. All of your devices will be bound to this account.



Zmodo



- Plug in and power on your NVR, sPoE Repeaters and all the cameras near your router for initial setup. Fasten the antennas (if applicable) onto the cameras.

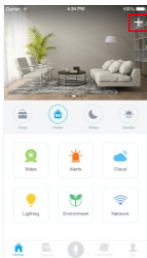


We are constantly working to improve our product and app. Please visit www.zmodo.com/support for updated instructions, manuals, and more.

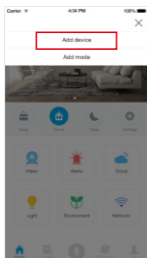


This device can be set up with a Zmodo Beam. If you own a Beam, please follow the instructions in your Beam quick guide to connect your device instead.

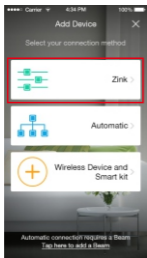
1



Log in and press **+** in the upper right corner. Select "Add Device".

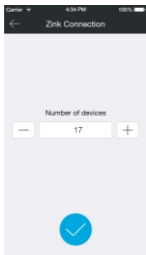



2



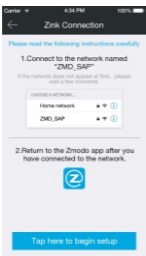
Select the "Zink" connection method to connect your camera. Your camera will be added to your Zmodo account.

3



Tap  to proceed (Since you are configuring a NVR kit, the number of devices shall be the number of your cameras "N"+1, the "1" means the NVR. For example, if you are configuring a NVR kit with 16 cameras, the number of devices is 17.).

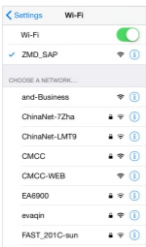
4



Follow the on-screen instructions and select "Tap here to begin setup" to go to the WiFi settings page on your smartphone.

Note: If you are using an iOS device, you will need to manually go to the WiFi settings page on your smartphone.

5



Select the network named "ZMD_SAP" and connect to it.

Note: If you see a "No Internet Connection" error message, please ignore it and connect anyway.

6

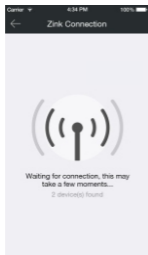


Return to the Zmodo app page and select or enter the SSID and password of the WiFi network that you want your cameras to connect to.

Note: The WiFi name and password are case-sensitive.

Tap  to proceed.

7

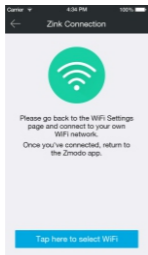


If you see this screen, the app will connect your cameras to your WiFi network. This may take a few minutes. Once it's completed, please skip to step 11.

If you do not see this screen, please proceed to step 8.

Note: If you are connecting multiple devices, you will need to wait for the app to find and connect all devices.

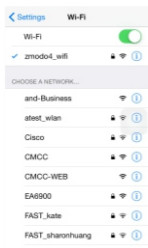
8



If this app interface appears, please press "Tap here to select WiFi".

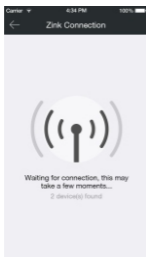
Note: If you are using an iOS device, you will need to manually go to the WiFi settings page on your smartphone.

9



Select the WiFi network that your cameras will connect to, and connect to it. Return to the Zmodo app once your mobile device is connected to the WiFi network.

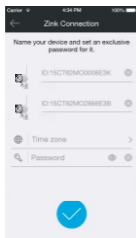
10




The app will automatically search for your cameras and connect it to the WiFi network. This may take a few minutes.

Note: If you are connecting multiple devices, you will need to wait for the app to find and connect all devices.

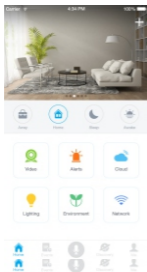
11



Name your cameras and set a password for your kit. Tap  to proceed.

Note: The password provides an additional layer of security for your devices. You will not need to use this password when accessing your devices from the Zmodo app. It is not required, but it is highly recommended.

12

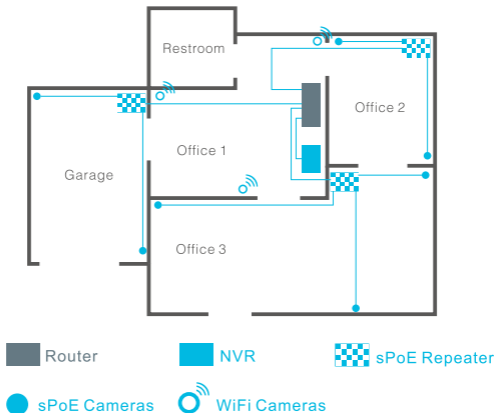


Your cameras have been successfully configured! Your cameras will be automatically grouped together in the Device List.

Once you have configured all cameras, you can unplug your cameras and begin mounting in Section 5.

5 Mounting your cameras

The following is an example of a potential installation map. You may refer to the diagram below as a general guideline for your installation.

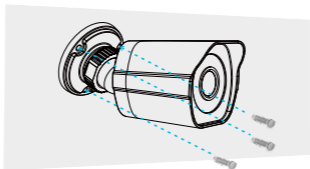


Installation Requirements & Tips:

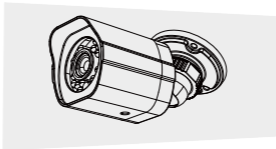
- If you're installing your cameras outdoors, all wired connections must be weatherproof.
- Before installing the cameras, carefully plan where and how they will be positioned, and how you will route the wiring that connects your cameras to the power adapters or the sPoE Repeater.
- Try to avoid WiFi signal interference from concrete, cement, and metal as much as possible when installing your WiFi cameras. Do not place cameras in a location where these materials stand between your cameras and your WiFi router.
- If you have a lot of obstacles between your WiFi camera and the WiFi router, the transmission range will be greatly reduced. In order to increase the range, you may purchase a WiFi range extender to place near the cameras. Please visit www.zmodo.com/support for other tips on improving your WiFi signal range.

Mounting your sPoE camera

- 1 Before mounting, make sure you have drilled the appropriate holes to run the sPoE cables from the sPoE Repeater to your camera. Line the camera bracket against the wall where you would like to install the cameras, and mark the appropriate holes. Drill three holes slightly smaller than the wall anchors and use a hammer to gently insert the anchors into the wall. Fasten the three screws through the holes on the bracket and into the anchors as shown. Plug in your camera to the sPoE Repeater using the routed cable.



- 2 You will be able to adjust the camera position using the adjustable camera bracket. Position the camera for an optimal viewing angle, and tighten the bracket.

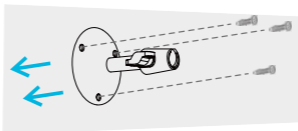


Mounting your WiFi camera

- 1 Unplug and power off the cameras that have been configured in Section 4.

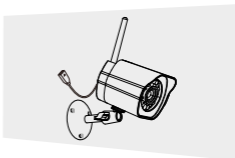
- 2 Line the camera bracket against the wall where you would like to install the cameras, and mark the appropriate holes. Drill three holes slightly smaller than the wall anchors and use a hammer to gently insert the anchors into the wall. Fasten the three screws through the holes on the bracket and into the anchors as shown.

Note: Depending on the camera model that you purchased, the camera bracket may or may not be fastened onto the camera when first removed from factory packaging.



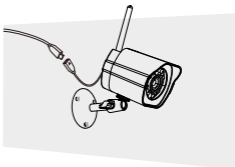
(Image may vary depending on camera model)

- 3 Fasten the bracket to the camera. You will be able to adjust the camera position using the adjustable camera bracket. Position the camera for an optimal viewing angle, and tighten the bracket.



(Image may vary depending on camera model)

- 4 Connect the supplied power adapter to the power port on the camera, and plug the adapter into a nearby power outlet. Repeat steps 1-4 for all cameras in your camera kit.



(Image may vary depending on camera model)

6 Viewing Options

All of your Zmodo devices will be bound to your Zmodo user account. You can access your NVR kit and other devices by using the Zmodo app with any Android™ or iOS® device. Just download the Zmodo app from Google Play™ or the App Store™.

View your NVR kit locally by connecting your NVR to a monitor using the built-in HDMI port.

You can also access your devices from any web browser with our web app. Visit user.zmodo.com and log in with your Zmodo user account information.

7 Status Light Definitions

Your camera may have an LED light that indicates the status of your camera. If it does, please refer to the guide below:



Solid green

The camera is powering on.



Blinking green

The camera is ready for setup.



Blinking blue

The camera is connecting to the WiFi network. Please do NOT turn off or unplug the camera at this time.



Solid blue

The camera has successfully connected to the WiFi network.

If you were unable to connect your camera successfully:

- Make sure that you are connecting to a **2.4GHz WPA/WPA2 WiFi network**, and your network is not hidden.
- Please make sure that you entered the network name and password correctly. **Note:** Both are case-sensitive.
- You may need to improve your WiFi strength. Visit www.zmodo.com/support for suggestions.

8 Support

Having difficulty?

You can use the Live Chat function in Zmodo app if you have any technical problems.

Please follow the steps below:

Go to "Me" in the lower right corner in Zmodo app and select "Zmodo Support".

For more instructions, troubleshooting, support, and other resources, please visit:

www.zmodo.com/support



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