User Guide

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Getting Started

Welcome to Neposmart. Neposmart connects directly to your wired or wireless network and allows you to conveniently open and close your garage door (patent pending) and monitor your garage through the integrated HD video camera from anywhere in your house, through any Wifi-enabled device. This manual will walk you through the process of installing and using Neposmart.

Video tutorials are also available at http://neposmart.com.

What's in the Box?

Mounting bracket and screws

Magnetic switch

Neposmart

Ethernet cable

Bell wire

AC adapter

Documentation

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Basic Features

Front View:

1. **Camera**---The camera allows you to view what is happening in your garage.
2. **Focus ring**---Turn to focus the camera if the picture is not clear.
3. **Ambient light sensor**---The ambient light sensor detects lighting conditions and automatically turns on night vision if needed.
4. **Night vision lights**---The night vision lights glow faintly when camera is in night vision mode.
5. **Status lights**---Two lights, a red and a blue light indicate the status of Neposmart. The red light indicates that Neposmart is on and has power. The blue light pulses when Neposmart is active and is sending and receiving data.
6. **Microphone**---The microphone allows you to hear what is happening in your garage.
7. **SDHC card slot**---Insert an SDHC card (supports cards up to 32 GB) to save snapshots and video from the integrated camera.

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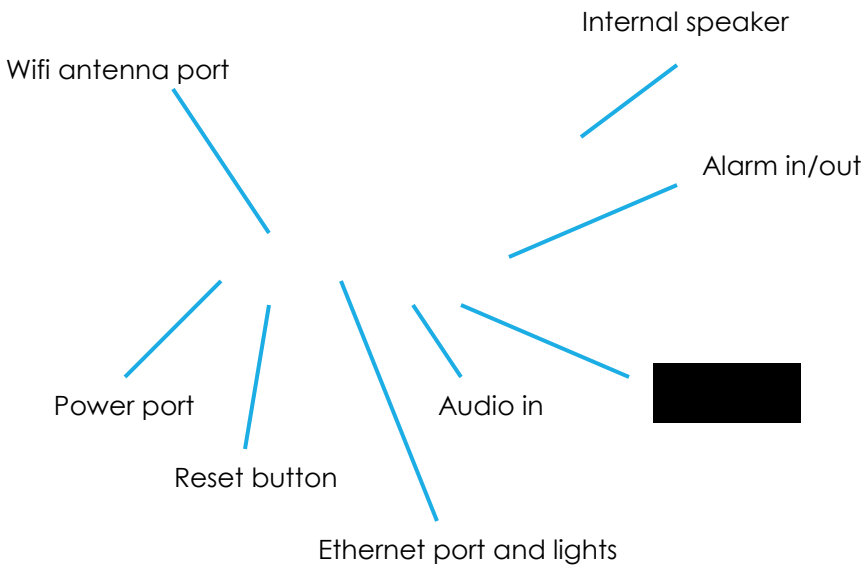

Back View:

1. **Power port**---Connect the included AC adapter to power Neposmart.
2. **Wifi antenna port**---Connect the included wifi antenna to connect Neposmart to a wireless network.
3. **Reset button**---Used for Wifi protected setup or for resetting Neposmart.
4. **Ethernet port and lights**---Connect Neposmart to a wired network. Two lights indicate network status. The amber light indicates that the Ethernet port has power. The green light blinks when Neposmart is sending and receiving data through the Ethernet port.
5. **Audio in**---Connect Neposmart to a line-level microphone or line-level audio input device.
6. **Audio out**---Connect Neposmart to speakers.
7. **Alarm in/out**---Connect Neposmart to your garage opening unit.
8. **Internal Speaker**---Speak to people in your garage.

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Setup

This chapter will walk you through the process of setting up your new Neposmart and connecting it to your garage.

Requirements for Installation

1. Your Neposmart with the included accessories and software
2. A wireless router

   Your Neposmart can be connected wirelessly using Wifi or wired using an Ethernet cable. If you are connecting your Neposmart wirelessly, a moderately strong Wifi signal is necessary. You may also connect Neposmart using an Ethernet cable or use a Wifi extender or bridge.
3. iOS or Android device or Windows PC
4. A broadband internet connection if you intend to use Neposmart away from home.
5. A garage door opener with a safety eye system or equivalent safety system.

Initial Setup

In this initial setup, you may plug your Neposmart wherever it is convenient. When initial setup is complete, Neposmart can be taken to the garage and installed there.

1. First, connect the Wifi antenna to the antenna port on Neposmart. Note: If you are permanently connecting your Neposmart in your garage using Ethernet, you may skip this step.
2. Connect Neposmart to a power outlet using the included power adapter. Wait two minutes for Neposmart to start. You may see the integrated camera move around while Neposmart is starting.
3. Connect Neposmart to your network. You can do this in two ways. You may simply connect Neposmart using the included Ethernet cable or using Wifi Protected Setup. If your router or modem does not support Wifi Protected Setup, you must connect it using an Ethernet cable.
4. (Skip if Neposmart is connected to your network with an Ethernet cable) To use Wifi protected setup, follow the instructions that came with your router. To pair Neposmart with your router, press the reset button for five (5) seconds and release. Wait one minute and Neposmart should connect to your network. If the

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pairing process fails, you may repeat this step or you may also choose to connect your Neposmart to your network with an Ethernet cable for this initial setup.

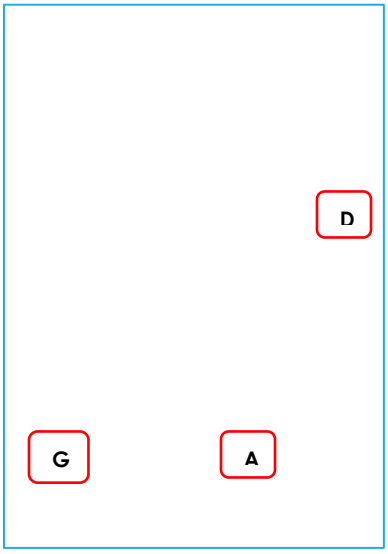
5. You may now proceed to the appropriate following sections to set up Neposmart.

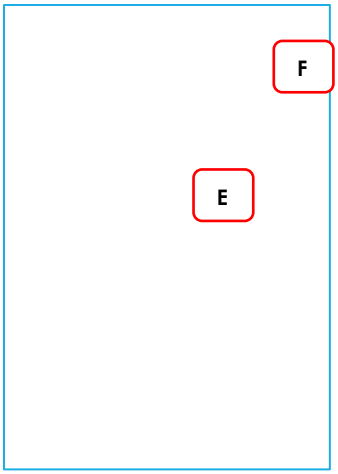
Neposmart Setup using an iOS Device

If you use an iPhone, iPod touch, and iPad, these instructions will show you how to set up Neposmart with your device. What you may see on your screen may differ from what is shown here depending on the version of iOS you are using and the size of your screen.

Step 1 – Downloading and Using the Neposmart App

1. You may download the Neposmart app by going to the App Store on your device and searching for "Neposmart." You may also scan the QRCode here using an application such as RedLaser.
2. Open the Neposmart app on your device.
3. Tap "Add Device" on the bottom of the screen **A** and you should see a list of Neposmart devices. Choose your Neposmart from the list, and type **123456** **E** into the password field and tap "Save" on the upper right corner **F**.





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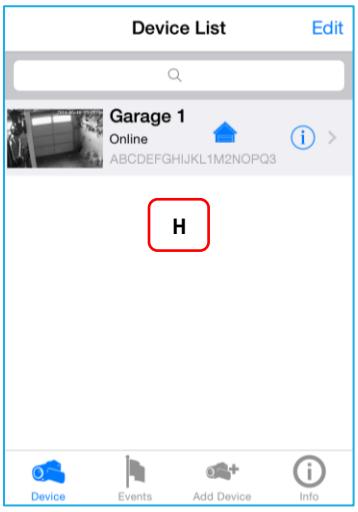
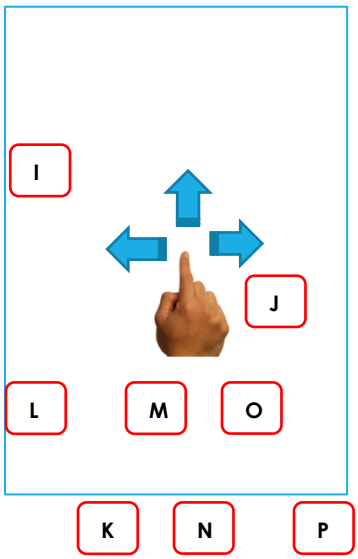
4. Tap the "Device" on the bottom of the screen **G**, and you should now see your Neposmart in the list shown **H**.
5. To familiarize yourself with Neposmart, try your Neposmart now. Choose your Neposmart in the list by tapping on it. If everything is working properly, you should be able to see some video. You can swipe on the video **J** to move the camera up and down and side to side. The camera will move stepwise.
6. Neposmart can remember a number of different positions for the internal camera. For instance, you could set your Neposmart to point at the garage door or to your car. These positions are called "Presets" and are numbered from one to four in the app. To use this feature, tap the preset position button **N** and tap "Set Position" to set a preset position. You can make Neposmart quickly and smoothly move to one of your pre-set positions by choosing a preset and tapping "Go to Position."





7. To take a snapshot of the video from your Neposmart, tap the snapshot button **K**. To view the snapshots you have taken, tap the gallery button **L**. In the gallery you will see thumbnails of all the snapshots you have taken. To delete a snapshot, tap "edit" on the top right of the screen, tap the snapshots you wish to delete, and tap "Delete" on the bottom of the screen. To share the snapshots you have taken, tap the snapshot you wish to view. Tap the share button on the upper right corner. You can choose to save the snapshot to your camera roll by tapping "Save Photo." You can also email the snapshot by tapping "Email Photo," or you could delete the snapshot by tapping "Delete Photo." You can also tap "Back" on the upper left corner of the screen to take you back to the camera view screen.
8. Neposmart has a built-in intercom feature. This allows you to listen to sounds in your garage (or any room where Neposmart is located) and talk to other people in the garage or room Neposmart is located. To use the intercom feature, tap the intercom button **M** and choose "Listen" to listen to sounds in your garage or choose

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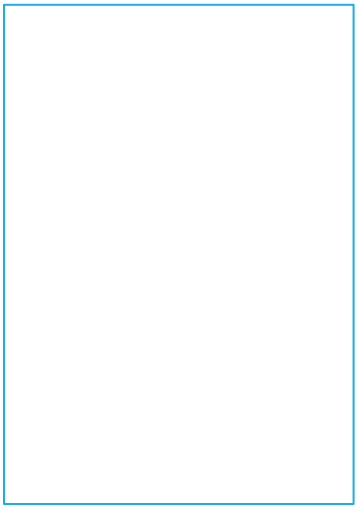
"Speak" to talk to the people in your garage. When you are done, you may select "Mute."

9. To open or close your garage door, tap the house icon **O**. You will need to connect Neposmart to your garage door first before you can open or close you garage door using Neposmart.
10. To access the Neposmart web settings and web interface, tap the globe icon **P**. You may use web settings to set up the advanced features of Neposmart or use the mobile web interface to control and use Neposmart. Tap Back on the top left to return to the list of Neposmart devices.
11. You can also use voice command. Shake your device and say "Open," "Close," "Help," or "Status" to open and close your garage door or find whether the door is opened or closed. You can also say "Set One," (or "Set Position One," etc.) "Set Two," or "Go One," "Go Two," etc. to set or go to any preset camera position. Voice command can be disabled in "Garage Settings" if needed.

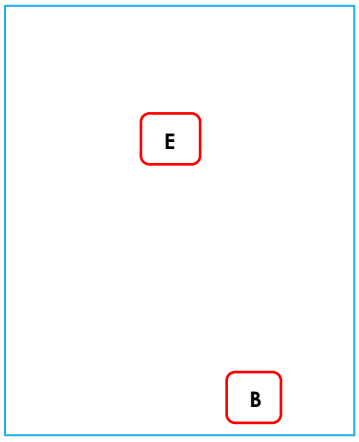
Next, we have to connect Neposmart to your wireless network.

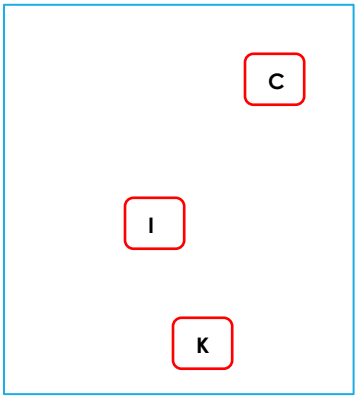
Step 2 – Connecting Neposmart Wirelessly

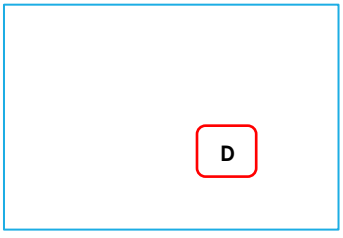
1. In the list of Neposmart devices, tap the "I" to set up your Neposmart.
2. Tap Advanced Settings **B**.
3. A few passwords need to be changed to make Neposmart more secure. Neposmart uses two different passwords. One of these passwords is used to open and close the garage door and is encrypted and secure. The other password is used to access and log in to Neposmart and is less secure. We will change the password used to log into Neposmart first. We will change the password that opens and closes the garage door later. Tap "Change Device Password" **C**.



4. Enter **123456** as the Old Password **D** and enter your new password twice. You may wish to write down and store your new password in a secure place or memorize it thoroughly. Tap "OK" when you are finished.







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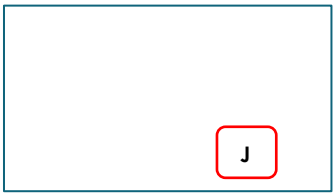
5. You can also change video settings. Video quality **I** changes the quality of the video you see in the app. By default, video quality is set to "Low" to reduce data usage if your network connection is slow or if you have a limited data plan (If accessing Neposmart away from home using your cellular data plan). If you like, you can change the video quality to whichever setting works best for you.

6. If you intend to mount Neposmart upside down, you may wish to change the "Video Flip" settings to "Flip and Mirror." **H** If Neposmart is mounted regularly, choose "Normal." You may also choose to either "Flip" or "Mirror" the image depending on your personal preferences.
7. You can also choose what mode you would like the internal camera in your Neposmart to use. There are two indoor modes, an outdoor mode, and a night mode **J**. You can change these settings depending on where the Neposmart is mounted and your personal preferences. Ordinarily, the internal camera will switch between day and night modes automatically, but in certain lighting conditions, you may wish to force the camera to us night mode by selecting "Night Mode." If you are using Neposmart indoors, depending on the lighting and the frequency of your AC power, you may need to change the indoor mode from 50 Hz to 60 Hz to reduce flickering.



8. If you intend to use Neposmart wirelessly, you can connect it to your home wireless network by tapping "Wifi." Neposmart scans for close-by Wifi networks, and you may have to wait a few minutes for it to scan for networks. You can select a wireless network for Neposmart to connect to from the list, and enter the password. Tap "Join" when finished. If your wireless network is hidden, you must connect to it using Neposmart web settings instead.
9. Your Neposmart is now ready for installation in your garage! You may now unplug it and take it and the rest of the items that it came with to your garage.

Step 3 – Installing Neposmart in Your Garage

Installing your new Neposmart permanently in your garage is easy. The Neposmart is connected to two things that allow it to control your garage door. One of these is the magnetic switch included with Neposmart. This switch is mounted on your garage door and allows Neposmart to determine whether the door is open or closed. Additionally, Neposmart is connected to your garage door opening unit. This allows Neposmart to open and close your garage door. Both of these are connected using the included bell wire. Neposmart is designed to only be installed in garages that have a safety eye system or

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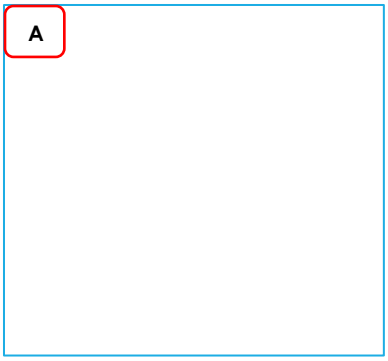
equivalent safety system where the door will automatically reverse if something is blocking the door from closing to prevent harm or property damage.

1. The first thing you will want to do is disconnect your garage door opening unit from electrical power. You can do this from the circuit breakers, or you can unplug your garage door opening unit.
2. Ascertain that your garage has an electric eye safety system or the equivalent. Garage doors can be dangerous, and Neposmart is designed to be installed in a garage with a safety system to prevent harm and property damage.
3. Collect your tools. You will need a Phillips screwdriver, a sturdy ladder if you are mounting Neposmart on the ceiling, wire-cutting pliers, wire strippers or a sharp knife or pair of scissors to strip the wires, a hammer and cord staples, and a drill with the appropriate bits.
4. First, you will have to determine how you would like to connect Neposmart to your garage door opening unit. Take a short look at the button or button panel that you push to open and close your garage door. Neposmart can control garage doors that have single button or button-only controls directly. If the device that controls your garage directly has a screen, you will need to connect to your garage door opener wirelessly instead. This is accomplished by connecting a wireless garage remote control to Neposmart.
5. Before you begin connecting Neposmart, you will have to pick a place to mount Neposmart.
6. Ideally, Neposmart should be mounted so that the integrated camera can get a good view of your entire garage, or at very least, the part of the garage you would like to observe. Make sure that the location has a moderately strong Wifi signal or that you can run an Ethernet cable to it. You may also use a Wifi extender or bridge to improve the wifi signal if needed. You will also need a close-by power outlet or you should be able to run an appropriately rated extension cord to that location.
7. Now that you have found a place for Neposmart, take a good look at what you are mounting Neposmart to. If the surface you are mounting Neposmart is wood, you can drill holes with a wood drill bit and use the included screws to mount it. If are mounting Neposmart to a drywall wall, use the supplied screw-type drywall anchors **A** to ensure that it will be secure. If using drywall anchors, screw the anchors in first, then screw the bracket onto the wall. If you are mounting Neposmart to a metal surface, use bolts or metal screws and the appropriate metal drill bit if needed.



8. Finally, attach Neposmart to the bracket using the tripod socket on the base.

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Connecting Neposmart Directly to Your Garage Door Opening Unit

If your garage door opening unit uses a button-only wall-mounted controller as in **B** (your wall-mounted controller may have more buttons) you may use this method to install Neposmart. There are two ways to connect Neposmart directly to your garage door opening unit. You may choose to connect Neposmart to the wall-mounted controller or directly to the garage door opening unit.

Connecting Neposmart to a Wall-Mounted Controller

a. If you are connecting Neposmart to the wall-mounted controller **B**, remove the wall mounted controller. These are typically secured with two or more screws.
b. Loosen the two screw terminals on the back of the controller holding the wires connecting the controller to the garage door opening unit.
c. Next, slide the spade connectors on the end of the bell wires under the screw terminals and tighten. **C**
d. Remount the controller on the wall.
e. Find a path for the wires connecting your garage door opening unit to your Neposmart. Lay the wires, and cut them to the appropriate length. Securing the wires is highly recommended.

f. To connect the other end of the bell wires to Neposmart, strip 1 cm or 1/2 an inch of insulation off the ends of the wires **D**. Insert either of the two wires into either of the two ports marked "Alarm Out" on the rear of Neposmart.

Connecting Neposmart to a Garage Opening Unit

If your garage door opening unit uses a button-only controller **A**, you may also connect Neposmart directly to the garage opening unit.

a. Consult the instruction manual of your garage door opener to find the locations of the screw terminals used to connect the control panel. These are usually located under one of the covers for the lights. **B**
b. Slide the spade connectors under the existing wires and tighten the screws.
c. Find a path for the wires connecting your garage door opening unit to your Neposmart. Lay the wires, and cut them to the appropriate length. Securing the wires is highly recommended.

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d. To connect the other end of the bell wire to Neposmart strip 1 cm or 1/2 of an inch of insulation off the ends of the wires. **C** Insert either of the two wires into either of the two ports marked "Alarm Out" on the rear of Neposmart.

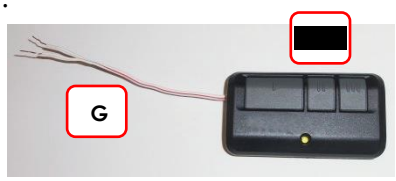
Connecting Neposmart Wirelessly

If your garage door opening unit uses a wall-mounted controller with a screen **E**, or it is difficult to connect Neposmart using wires, you may connect Neposmart wirelessly. You may either purchase a wireless module or purchase an extra remote control for your garage door opening unit.

E

Connecting Neposmart Using a Wireless Module F

a. If you are using a wireless module to connect Neposmart to your garage door opening unit, follow the instructions that come with the module to pair it with your garage opening unit.
b. Disconnect your garage door opening unit from electrical power.
c. Insert either of the two wires from the wireless module **G** into either of the two ports marked "Alarm Out" on the rear of Neposmart.



Connecting Neposmart to a Remote Control

a. You may also connect Neposmart to a remote control. This involves soldering, and you may void the warranty of your remote control by doing this. Only do this if you are confident in soldering.
b. Pair the remote control with your garage door opening unit, following the instructions that come in your garage door opening unit documentation.
c. Disconnect your garage door opening unit from electrical power.
d. Open your remote control carefully and locate the pins of the switch behind the button you push to open or close the garage door. Pressing this button on the remote control that opens the garage door should connect these pins. Use a conductivity meter if you are unsure of whether it connects these pins or not when the button is pressed.
e. Solder a wire carefully to each of the two pins. If your remote has more pins behind each button, use a conductivity meter to find which pins are connected when the button that opens your garage door is pressed.
f. Drill or find a place where the wires will exit the body of the remote control **F**. Route the wires out of this place on the remote control and carefully close the remote control casing **G**.

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g. Strip 1 cm or 1/2 an inch of insulation off the ends of the two wires from the remote control. Insert either of the two wires into either of the two ports marked "Alarm Out" on the rear of Neposmart.

Tips on Connecting Wires to Neposmart

Neposmart uses push-in wire connectors. When connecting wires, strip 1 cm or 1/2 an inch of insulation off the ends of the wires before inserting them. Push the wires into the holes until they stop and no bare copper is visible. When they are fully inserted, the orange tabs should be depressed I. If it is difficult to insert the wires, you may push the orange tabs, insert the wires, and release the orange tabs. To release the wires, push on the orange tabs and pull the wires out.

I

Mounting and Connecting the Magnetic Switch

I

The magnetic switch allows Neposmart to determine whether the garage door is opened or closed. The magnetic switch has two sides. One side has wires leading out of it or terminals. This is the sensor side. The other side contains a magnet. The magnet side will need to be mounted on the garage door and the sensor side will need to be mounted on the wall or the floor. Regardless of how the sensor and magnet are mounted, be wary of rollers, steel door balancing cables, hinges, springs, and other things that may be attached to your garage door.

1. The sensor needs to be within a certain distance from the magnet to work properly. The sensor should be placed within two inches of the magnet. As you are looking for a place to mount the magnetic switch, you can test your placement of your magnet and sensor by listening for a faint click when the magnet activates the sensor.

K

2. To mount the sensor securely on the floor, you may wish to use masonry screws. Mark the holes with a soft lead pencil and drill the holes with a masonry drill bit. Secure the sensor with screws. If you are wall mounting the sensor, it can be mounted securely

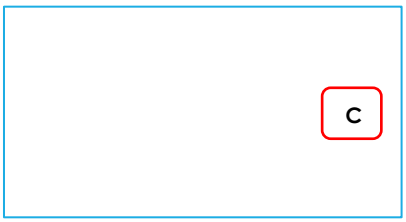
to a smooth, flat, clean surface with strong, double-sided tape applied to the smooth top surface of the sensor.

3. You may mount the magnet to the door with metal or wood screws depending on the material of your garage door. Use the appropriate metal or wood drill bits to drill the mounting holes. You may also use the strong, double-sided tape on the smooth top and sides of the magnet to mount it to the door.
4. With the magnetic switch mounted, you may now find a path for the wires connecting the magnetic switch to Neposmart. Cut the wires to an appropriate length. Securing the wires to the wall is highly recommended.
5. Strip 1 cm or 1/2 of an inch of insulation off the ends of the wires. Insert either of the wires into either of the two ports marked "In" on the rear of Neposmart **L**.

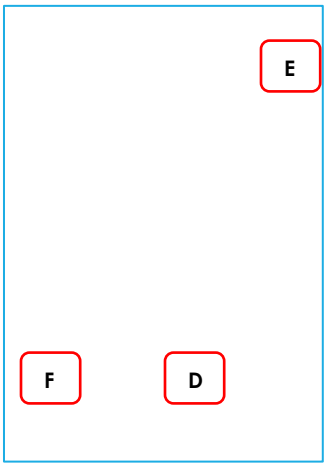
Note: While floor-mounting the magnetic switch is illustrated, the switch can be mounted on the floor or wall depending on your preference. Whether the top, bottom, or sides of the sensor face the magnet does not matter as long as the magnet and center of the sensor are within 2" of each other. You can mount the magnet and sensor in any orientation as long as they are parallel. To simplify installation, you can also use double-sided tape on the smooth top surface of the sensor or the smooth sides or top of the magnet to the door or wall to mount them securely.

Step 4 – Final Setup

1. Tap "Device" on the bottom left to see the list of Neposmart devices.
2. Since some of the settings of Neposmart have changed, it is highly recommended to delete Neposmart from your device. You can do this by swiping to the left on your Neposmart and tapping "Delete." **C**



3. Tap "Add Device" on the bottom of the screen **D**. A list of Neposmart devices should appear. If your Neposmart does not appear, tap the refresh button **E**. Choose your Neposmart by tapping on it, enter the password you set previously in step 2, and tap "Save." Alternatively, you can scan the QR code (the square barcode) on the bottom of your Neposmart by tapping "QRCode" and pointing the camera on your device at the QR code. You can also add your Neposmart manually by tapping "Add" and typing the numbers under the QR code on your Neposmart directly into the UID field, entering your password, and tapping "Save."



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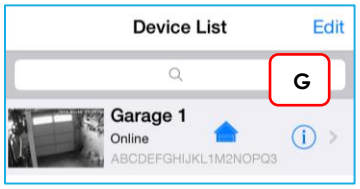
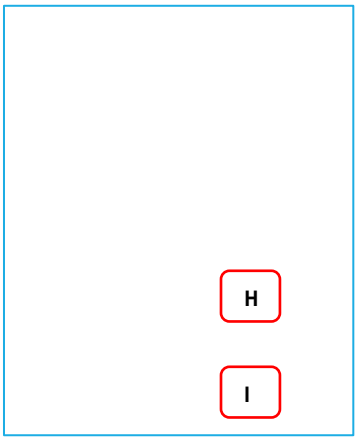
4. Tap the "Camera" button on the bottom of the screen **F** to return to the list of Neposmart devices you have
5. You can use Neposmart to open and close your garage by tapping the house icon.



6. Tap the "i" button next to the entry for your Neposmart **G**.
7. Tap "Garage Settings" **H** and tap the wrench icon next to "Pass." We are changing the password used to open and close your garage door to make it more secure. Enter **2015** into the "Old" field and enter a password of your choosing into the "New" and "Confirm" fields. You may wish to write down and store your new password in a secure place or memorize it thoroughly. Keep this password separate from the password you changed earlier when you were setting up Neposmart. Tap "OK" when you are finished.
8. Verify that the other settings are correct. Namely, if your Neposmart controls a garage (which it likely is) that "Enable Garage" is on and "Internal" under "Connections Options" corresponds to the IP address of your Neposmart. Tap "OK" If everything is correct, you will see a message saying "Garage Setting successfully validated." Tap "Close."
9. Tap "Advanced Settings." **I**



10. "Video Quality" changes the quality of the video you see in the app. Higher quality video uses more data. By default, video quality is set to "Low" so that it will not use as much data if your network connection is slow or if you have a limited data plan (If accessing Neposmart away from home using your cellular data plan). If you like, you can change the video quality to whichever setting works best for you.
11. You can change the way video in your Neposmart is displayed in "Video Flip." If your Neposmart is mounted upside down, you may wish to change this setting to "Flip and Mirror." If Neposmart is mounted regularly, choose "Normal." You may also choose to either "Flip" or "Mirror" the image depending on your personal preferences.
12. You can also choose what mode you would like the internal camera in your Neposmart to use in "Environment Mode." There are two indoor modes, an outdoor mode, and a night mode. You can change these settings depending on where the Neposmart is mounted and your personal preferences. Ordinarily, the internal camera will switch between day and night modes automatically, but in certain lighting conditions, you may wish to force the camera to us night mode by selecting "Night Mode." If you are using Neposmart indoors, depending on the lighting and the frequency of your AC power, you may need to change the indoor mode from 50 Hz to 60 Hz to reduce flickering.

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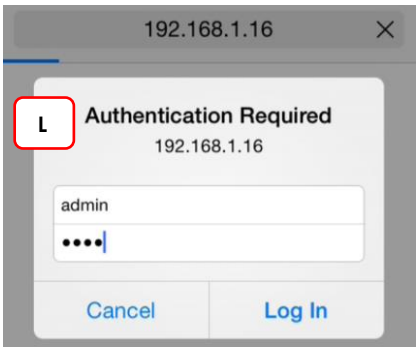
13. If needed, you can also check the wireless network settings on your Neposmart by tapping "WiFi." Neposmart scans for close-by Wifi networks, and you may have to wait a few minutes for it to scan for networks. You can select a wireless network for Neposmart to connect to from the list, and enter the password. Tap "Join" when finished. If your wireless network is hidden, you must connect to it using Neposmart web settings instead.
14. When you are finished, tap "Back" on the upper left and "Back" once more to return to the list of Neposmart devices. Now that the Neposmart app is set up, you may start using it. You may refer to this section again if you purchase another Neposmart and wish to set it up.

Step 5 – Setting Up Garage Door Alerts

Neposmart can send email and text alerts using the email to SMS function offered by your cellular carrier.



1. Tap the "Camera" button on the bottom of the screen to see the list of Neposmart devices you have and tap the "i" button next to the entry for your Neposmart.
2. Tap "Garage Settings"
3. Tap the wrench icon next to "Email/Alert Settings"
4. Your browser should now open, allowing you to change email and alert settings.
5. Enter the username "admin" and the password for your Neposmart. **L**
6. In the garage email and alert settings, you can have Neposmart send an email when your garage is opened or closed or motion is detected. First, you must pick an email address from which to send the alerts. When Neposmart sends the alerts, it will be sent from that email address. Enter this into "Sender Email Address" then enter the password for this email account in "Email Password." **I** For the rest of the required information such as port numbers, server names, and SSL **M** refer to your email provider's (e.g. Yahoo!, Comcast, or Gmail) documentation on setting up email accounts on email applications such as Microsoft Outlook, Apple Mail, Mozilla Thunderbird, and other email clients.
7. When you have entered all this information, you can choose email addresses to notify when the garage door is opened or closed. Enter in "Send Alerts To." **N** If you would like Neposmart to send a text message instead, refer to the documentation on your cellular carrier's email to SMS function. A list of email to SMS email addresses can be found at http://www.emailtextmessages.com. If you are using Verizon for instance, and your number is ***2031234567***, then you would enter ***2031234567@vtext.com*** in the list of email addresses to send alerts to.

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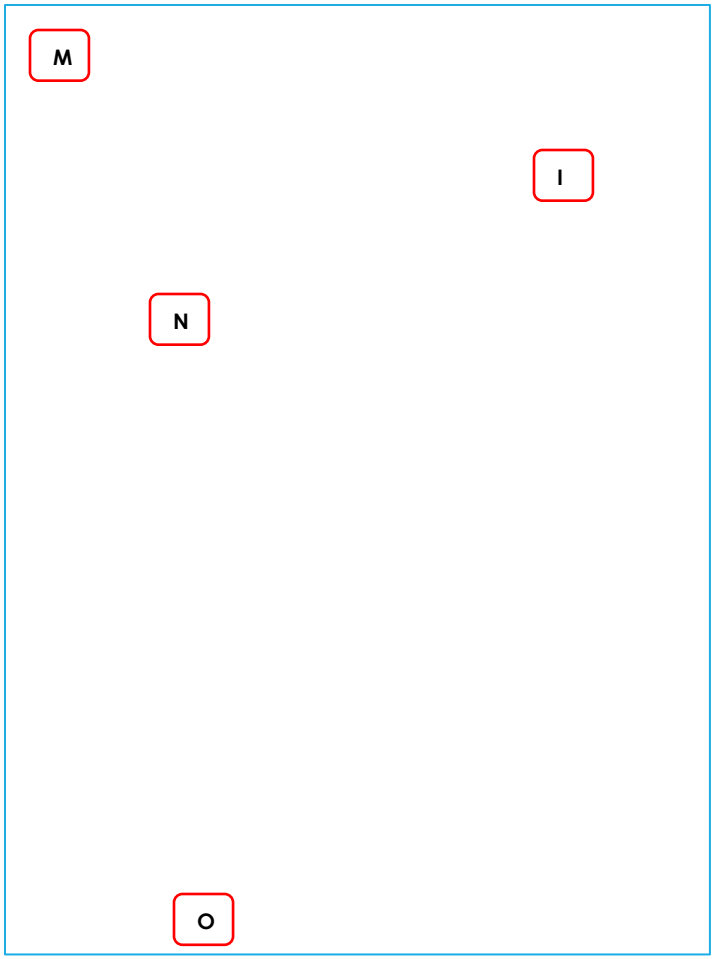
1. You can customize the messages you receive when an alert is sent as well. When you are finished, tap "Apply" **O** then click "Test" to test your settings. This will send a test message to all of the email addresses and phone numbers you set to receive alerts from Neposmart.

Congratulations! You have finished setting up Neposmart. Enjoy!



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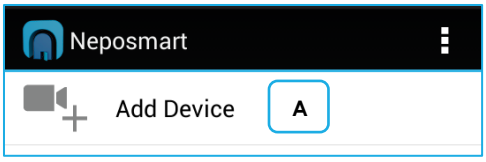
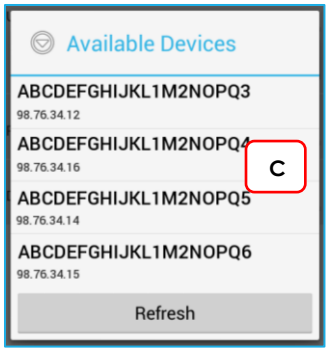
Neposmart Setup using Android

Step 1 – Download and Using the Neposmart App

If you use an Android phone, tablet, TV box, or other Android device, these instructions will show you how to use Neposmart with your device. Certain things including button placements may appear slightly differently depending on the manufacturer of your device, the version of Android you have on your device, and the size of your screen.

1. You may download the Neposmart app by going to the Google Play store on your device and searching for "Neposmart." You may also scan the QRCode here using an application such as RedLaser.
2. Open the Neposmart app on your device.
3. Tap "Add Device" **A** and tap "Search" **B** and you should see a list of Neposmart devices **C**. Choose your Neposmart from the list, and type **123456** **E** into the password field and tap "OK."





4. To familiarize yourself with Neposmart, try your Neposmart now. Choose your Neposmart in the list by tapping on it. If everything is working properly, you should be able to see some video. You can swipe on the video to move the camera up and down and side to side. The camera will move stepwise.
5. Neposmart can remember a number of different positions for the internal camera. For instance, you could set your Neposmart to point at the garage door

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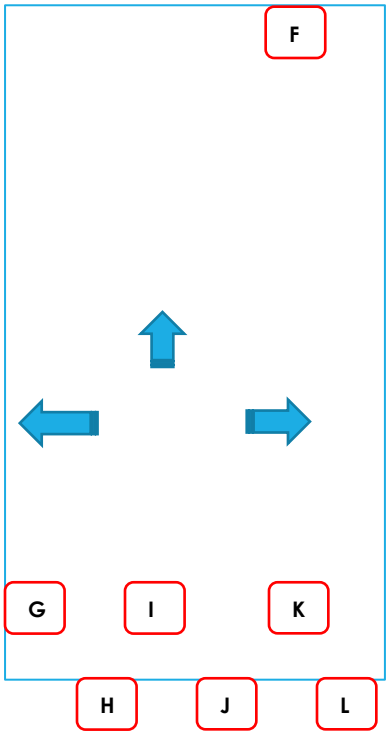
or to your car. These positions are called "Presets" and are numbered from one to four in the app. To use this feature, tap the preset position button **J** and tap "Set Position" to set a preset position. You can make Neposmart quickly and smoothly move to one of your pre-set positions by choosing a preset and tapping "Go to Position."



6. To take a snapshot of the video from your Neposmart, tap the snapshot button **H**. To view the snapshots you have taken, tap the gallery button **G**. In the gallery you will see thumbnails of all the snapshots you have taken Tap the thumbnail of a snapshot you would like to view. You may also delete snapshots by pushing and holding the thumbnail of the snapshot you would like to delete and tapping "Yes."
7. Neposmart has a built-in intercom feature. This allows you to listen to sounds in your garage (or any room where Neposmart is located) and talk to other people in the garage or room Neposmart is located. Depending on your Neposmart model, you may need to connect external speakers to the Audio out port on your Neposmart to use the talk feature. To use the intercom feature, tap the intercom button **I** and choose "Listen" to listen to sounds in your garage or choose "Speak" to talk to the people in your garage. When you are done, you may select "Mute."
8. To open or close your garage door, tap the house icon **K**. You will need to connect Neposmart to your garage door first before you can open or close you garage door using Neposmart.
9. To access the Neposmart web settings and web interface, tap the globe icon **L**. You may use web settings to set up the advanced features of Neposmart or use the mobile web interface to control and use Neposmart. Tap Back on the top left to return to the list of Neposmart devices.
10. You can also use voice command. Shake your device and say "Open," "Close," "Help," or "Status" to open and close your garage door or find whether the door is opened or closed. You can also say "Set One," (or "Set Position One," etc.) "Set Two," or "Go One," "Go Two," etc. to set or go to any preset camera position. Voice command can be disabled in "Garage Settings" if needed.
11. To return to the list of Neposmart devices, tap the back button .

Next, we have to connect Neposmart to your wireless network.

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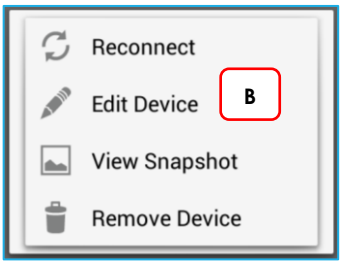
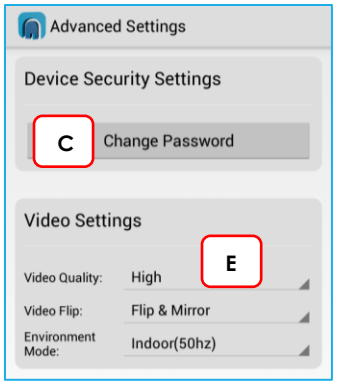
Step 2 – Connecting Neposmart Wirelessly

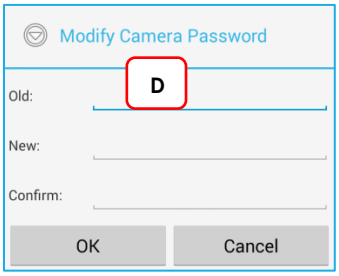
1. In the list of Neposmart devices, tap the button that looks like a circle with an arrow **A** and tap "Edit Device." **B**



2. Tap "Advanced".
3. A few passwords need to be changed to make Neposmart more secure. Neposmart uses two different passwords. One of these passwords is used to open and close the garage door and is encrypted and secure. The other password is used to access and log in to Neposmart and is less secure. We will change the password used to log into Neposmart first. We will change the password that opens and closes the garage door later. Tap "Modify Password" **C**.



4. Enter **123456** as the Old Password **D** and enter your new password twice. You may wish to write down and store your new password in a secure place or memorize it thoroughly. Tap "OK" when you are finished.
5. You can also change video settings. Video quality **E** changes the quality of the video you see in the app. By default, video quality is set to "Low" to reduce data usage if your network connection is slow or if you have a limited data plan (If accessing Neposmart away from home using your cellular data plan). If you like, you can change the video quality to whichever setting works best for you.



6. If you intend to mount Neposmart upside down, you may wish to change the "Video Flip" settings to "Flip and Mirror." If Neposmart is mounted regularly, choose "Normal." You may also choose to either "Flip" or "Mirror" the image depending on your personal preferences.
7. You can also choose what mode you would like the internal camera in your Neposmart to use. There are two indoor modes, an outdoor mode, and a night mode. You can change these settings depending on where the Neposmart is mounted and your personal preferences. Ordinarily, the internal camera will switch between day and night modes automatically, but in certain lighting conditions, you may wish to force the camera to us night mode by selecting "Night Mode." If you are using Neposmart indoors, depending on the lighting

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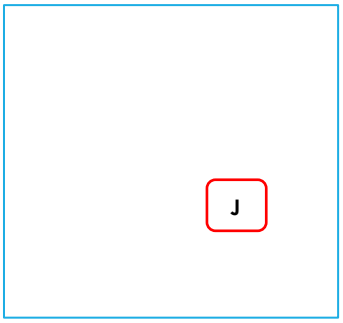
and the frequency of your AC power, you may need to change the indoor mode from 50 Hz to 60 Hz to reduce flickering.

8. If you intend to use Neposmart wirelessly, you can connect it to your home wireless network by tapping on "Manage WiFi networks." Neposmart scans for close-by Wifi networks, and you may have to wait a few minutes for it to scan for networks before you can tap on "Manage Wifi networks." You can select a wireless network for Neposmart to connect to from the list, and enter the password. Tap "OK" when finished. If your wireless network is hidden, you must connect to it using Neposmart web settings instead.



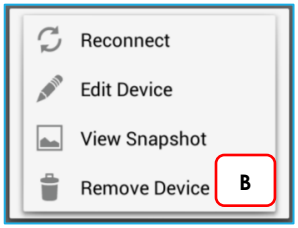
9. Your Neposmart is now ready for installation in your garage! You may now unplug it and take it and the rest of the items that it came with to your garage.

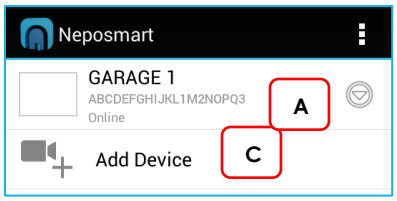
Step 3 – Installing Neposmart in Your Garage

You may refer to Step 3 in the section on Neposmart setup using an iOS device to install Neposmart in your garage. You may proceed to step 4 once you are finished installing Neposmart in your garage.

Step 4 – Final Setup

1. Since some of the settings of Neposmart have changed, it is highly recommended to delete Neposmart from your device. You can do this by tapping the button that looks like a circle with an arrow **A** and tapping "Remove Device." **B**





2. Tap "Add Device" **C** and tap "Search" **B** and you should see a list of Neposmart devices. Choose your Neposmart from the list, enter the password to your Neposmart into the password field and tap "OK." Alternatively, you can scan the QR code (the square barcode) on the bottom of your Neposmart by tapping "Scan" and pointing the camera on your device at the QR code. You can also add your Neposmart manually by tapping "Add" and typing the numbers under the QR code on your Neposmart directly into the UID field, entering your password, and tapping "Save."
3. You can use Neposmart to open and close your garage by tapping the house icon.

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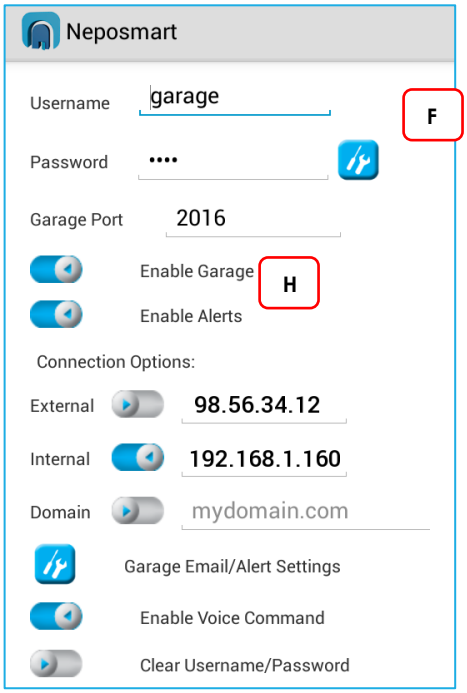
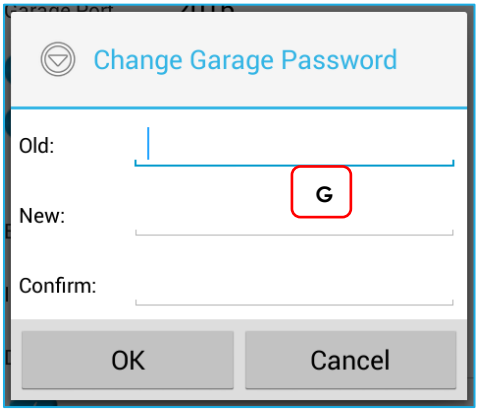
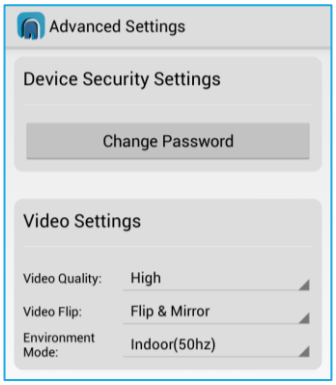
4. In the list of Neposmart devices, tap the button that looks like a circle with an arrow **A** and tap "Edit Device."
5. Tap "Garage" **D** and tap the wrench icon next to "Password." **F** We are changing the password used to open and close your garage door to make it more secure. Enter **2015** into the "Old" field and enter a password of your choosing into the "New" and "Confirm" fields. **G** You may wish to write down and store your new password in a secure place or memorize it thoroughly. Keep this password separate from the password you changed earlier when you were setting up Neposmart. Tap "OK" when you are finished.
6. Verify that the other settings are correct. Namely, if your Neposmart controls a garage (which it likely is) that "Enable Garage" is on **H** and "Internal" under "Connections Options" corresponds to the IP address of your Neposmart. Tap "OK" If everything is correct, you will see a message saying "Garage Settings successfully validated."
7. Tap "Advanced Settings." **E**
8. "Video Quality" changes the quality of the video you see in the app. Higher quality video uses more data. By default, video quality is set to "Low" so that it will not use as much data if your network connection is slow or if you have a limited data plan (If accessing Neposmart away from home using your cellular data plan). If you like, you can change the video quality to whichever setting works best for you.
9. You can change the way video in your Neposmart is displayed in "Video Flip." If your Neposmart is mounted upside down, you may wish to change this setting to "Flip and Mirror." If Neposmart is mounted regularly, choose "Normal." You may also choose to either "Flip" or "Mirror" the image depending on your personal preferences.
10. You can also choose what mode you would like the internal camera in your Neposmart to use in "Environment Mode." There are two indoor modes, an outdoor mode, and a night mode. You can change these





settings depending on where the Neposmart is mounted and your personal preferences. Ordinarily, the internal camera will switch between day and night modes automatically, but in certain lighting conditions, you may wish to force the camera to use night mode by selecting "Night Mode." If you are using Neposmart indoors, depending on the lighting and the frequency of your AC power, you may need to change the indoor mode from 50 Hz to 60 Hz to reduce flickering.

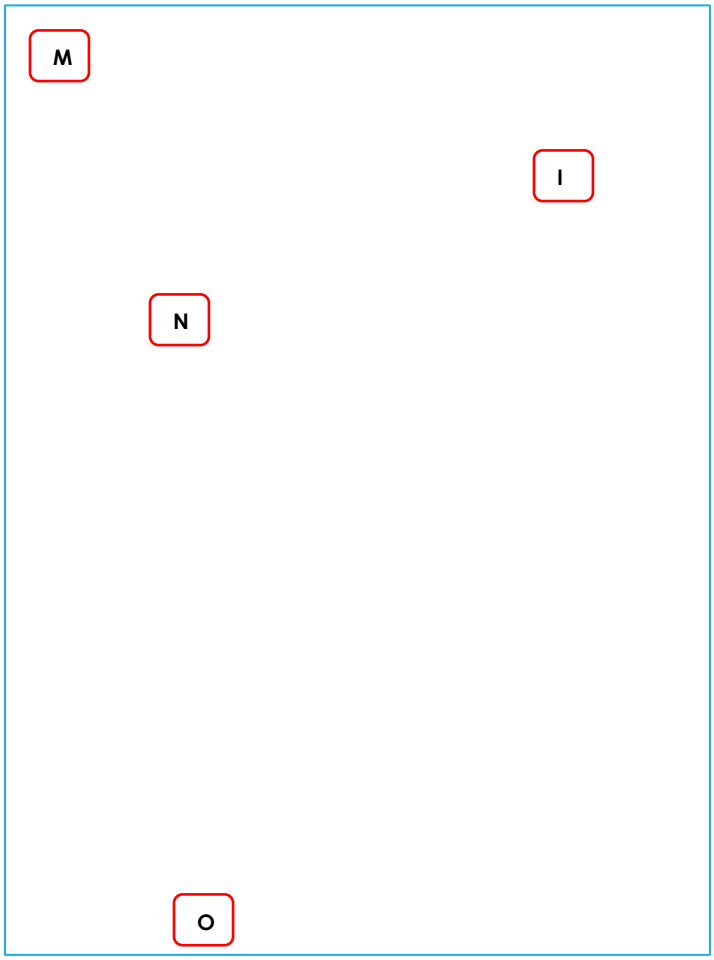


11. If needed, you can also check the wireless network settings on your Neposmart by tapping on "Manage WiFi networks." Neposmart scans for close-by Wifi networks, and you may have to wait a few minutes for it to scan for networks before you can tap on "Manage Wifi networks." You can select a wireless network for Neposmart to connect to from the list, and enter the password. Tap "OK" when finished. If your wireless network is hidden, you must connect to it using Neposmart web settings instead
12. When you are finished, tap "OK" on the upper left and "OK" once more to return to the list of Neposmart devices. Now that the Neposmart app is set up, you may start using it. You may refer to this section again if you purchase another Neposmart and wish to set it up.

Step 5 – Setting Up Garage Door Alerts

Neposmart can send email and text alerts using the email to SMS function offered by your cellular carrier.

1. In the list of Neposmart devices, tap the button that looks like a circle with an arrow and tap "Edit Device."
2. Tap "Garage"
3. Tap the wrench icon next to "Email/Alert Settings"
4. Enter the username "admin" and the password for your Neposmart. L
5. In the garage email and alert settings, you can have Neposmart send an email when your garage is opened or closed



or motion is detected. First, you must pick an email address from which to send the alerts. When Neposmart sends the alerts, it will be sent from that email address. Enter this into "Sender Email Address" then enter the password for this email account in "Email Password." **I** For the rest of the required information such as port numbers, server names, and SSL **M** refer to your email provider's (e.g. Yahoo!, Comcast, or Gmail) documentation on setting up email accounts on email applications such as Microsoft Outlook, Apple Mail, Mozilla Thunderbird, and other email clients.

6. When you have entered all this information, you can choose email addresses to notify when the garage door is opened or closed. Enter in "Send Alerts To." **N** If you would like Neposmart to send a text message instead, refer to the documentation on your cellular carrier's email to SMS function. A list of email to SMS email addresses can be found at http://www.emailtextmessages.com. If you are using Verizon for instance, and your number is ***2031234567***, then you would enter ***2031234567@vtext.com*** in the list of email addresses to send alerts to.
2. You can customize the messages you receive when an alert is sent as well. When you are finished, tap "Apply" **O** then tap or click "Test" to test your settings. This will send a test message to all of the email addresses and phone numbers you set to receive alerts from Neposmart.

Congratulations! You have finished setting up Neposmart. Enjoy!

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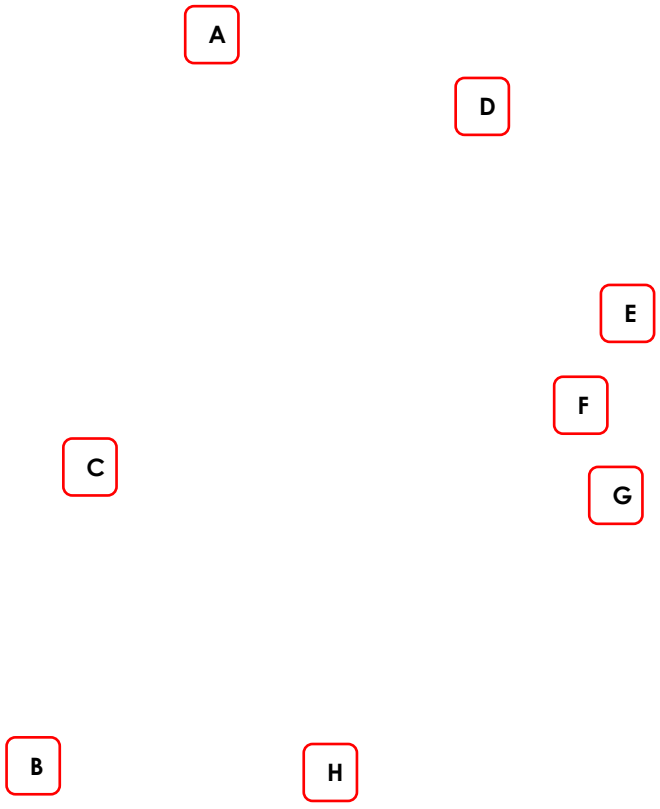
Neposmart Setup using a Windows PC

If you use a Windows PC, these instructions will show you how to use Neposmart with your computer. For the purposes of illustration, Internet Explorer and Windows 7 are used. Certain things may appear slightly different depending on the version of Windows you are using and your web browser.

Step 1 – Installing and Using the Neposmart Applications

1. Download the necessary applications from http://neposmart.com. You can also find the necessary



A – Shows the IP address, gateway, and DNS of the computer you are using.

B –Clicking "Search" displays all the Neposmart devices you have that are running in your home.

C – This list shows all yout Neposmart devices and their unique IDs and MAC addresses.

D – This shows the IP address of the device selected in **C**

E – This is the currently assigned http port number of the selected device. You can change the port here.

F – To change the network settings of your Neposmart, Enter **admin** and **123456** into the account and password fields respectively, change the settings in **D** and **E** and click "Update." **G**

H – Opens the web interface of the Neposmart selected in **C**, allowing you to change settings.

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applications included on the included software CD. Open the application "NepoSearch.exe." This application allows you to start setting up your new Neposmart.

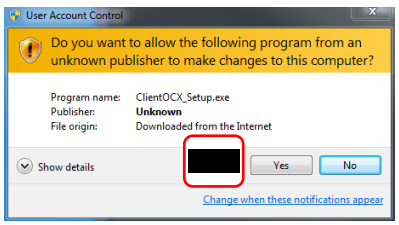
2. Click "Search(F3)" **B** and wait a few moments for all the connected and powered Neposmart devices you have to appear in the list. You can identify individual Neposmart devices using the device ID stickers on the bottom.

I

3. To start setting up Neposmart, select your Neposmart in the list **C** and click "Browse(F4)" **H**. You can also open a web browser on a Mac, Windows PC, Linux computer, or mobile device by entering the IP address of the device and port number as shown in **D** and **E**. If your IP address is ***192.168.1.15*** and your port number is ***80***, you would enter ***http://192.168.1.15:80*** into your web browser.
4. In your web browser, a pop up or tab **J** will ask you for your username and password. Enter **admin** and **123456** into the username and password fields respectively. Click "OK" when you are finished.

5. You will see a menu **K** with three options, "Video View," where you can open, close, and view your garage, "Mobile View" where you can use the mobile web interface, and "Settings" where you can access Neposmart web settings.
6. Click "Download ActiveX for Windows" **L**.
7. A bar will appear as shown in **M**. Click Run.
8. A dialog box **N** will ask you whether you would like to give the program you are running permission to make changes. Click "Yes."

K

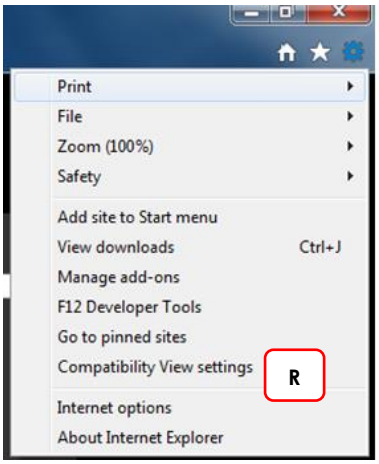


L

M

9. A setup wizard should open. Click "Next" **O**, click "Install" **P**, then click "Finish" **Q** to install the program.

10. Note: if you are using Internet Explorer 11 and up, you will need to complete an additional step:
    a. On the upper right hand corner of your web browser, click "Tools" (Alt+x)
    b. Click "Compatibility View settings" **R**.
    c. In the Compatibility View Settings dialog box, click "Add." **S**



11. You may now click "Video View" to view video from Neposmart. On the right side of the screen are a number of controls and buttons. On the top of the control panel are three buttons marked "Stream 1," "Stream 2," and "Stream 3." Clicking on these will allow you to choose different video streams from Neposmart. "Stream 1" provides the highest quality video and "Stream 3" provides the lowest quality video. (The resolution of stream 1 is 1280 x 720, the resolution of stream 2 is 640 x 360, and the resolution of stream 3 is 320 x 180) Below these are the camera controls. On the

bottom of the control panel are three buttons. "Settings" takes you to web settings to set up Neposmart. "Home Page" returns you to the menu of the Neposmart web interface. "Garage Control" opens and closes your garage door. When you click this button to open or close the garage, Neposmart will ask you for a username and password. Enter the garage password and username, which you will set up later, and tap "OK" or "Log In."

12. The large round pad with arrows allows you to view different parts of your garage. Clicking and holding an arrow button moves the camera in Neposmart smoothly in that direction. There may be some lag in the video depending on the speed of your network connection.
13. Neposmart can remember eight different positions for the internal camera. You can set these positions depending on your preference. For instance, you could set your Neposmart to point at the garage door or to your car. These eight positions are called "Presets" and are numbered from one to eight. To use this feature, use the large round pad with arrow buttons to position the camera in Neposmart to your liking. Click "Preset" to choose which preset you would like to assign this position to. Click "Set" to make Neposmart learn this position. You can make Neposmart quickly and smoothly move to one of your pre-set positions by choosing a preset and clicking "Call."
14. You can also sweep the internal camera in Neposmart side to side or up and down by simply clicking either the pan (horizontal sweep) or tilt (vertical sweep) buttons which are two double-ended arrow buttons. The camera in Neposmart will return to the initial position it was in after it has finished making a full sweep.
15. If you are using Internet Explorer, you will see an additional four buttons **T**. These buttons allow you to take and view snapshots and video of the video from the Neposmart internal camera. You must disable "User Account Control" in Windows to use these features.

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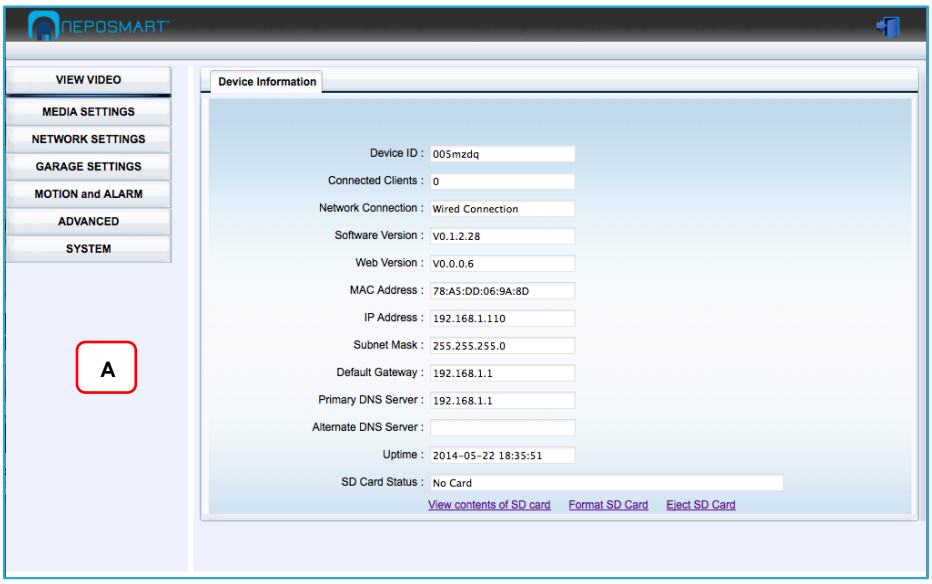
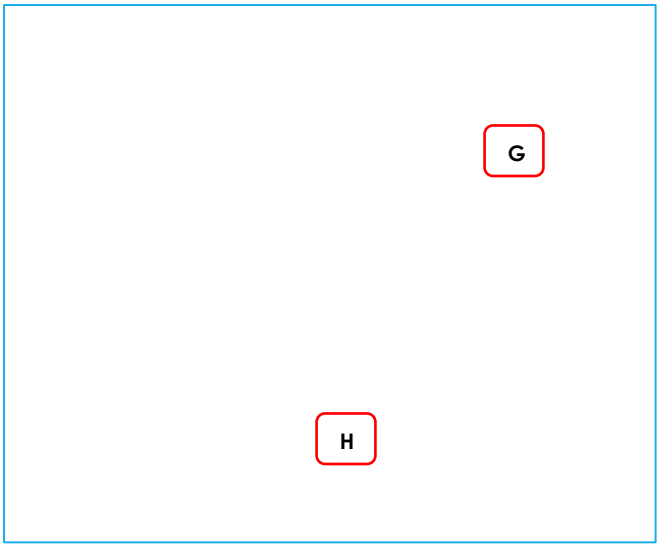
Step 2 – Connecting Neposmart Wirelessly

1. From the menu of the web interface, click "Settings." You can also click "Settings" on the right pane of the video view. You will now see the web settings interface **A**.
2. The Neposmart web settings interface has two panes. The left pane of the screen shows a list of settings you can change on Neposmart listed by category. Clicking a category on the left pane opens a drawer showing what settings are available in that category. You may also click "Video View" to return you to video view. You can change the settings of Neposmart in the right pane.

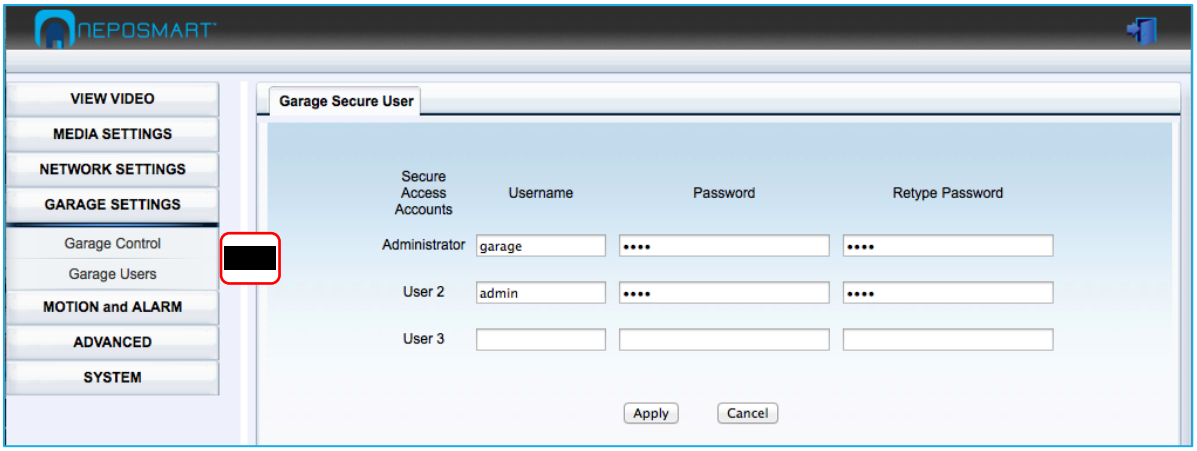


3. You will now see a summary of the settings on your Neposmart. Write down the IP Address, Subnet Mask, Default Gateway, and Primary DNS Server. You will need this information in the next step.
4. Click "Network Settings" then click "Network" on the left side of the screen.
5. Click "IP Configuration" and select "Fixed IP Address." Now, enter the information you wrote down in the preceding step in the fields that appear. When you are done, click "Apply."
6. If you are using Wifi, click "Wifi" on the left side of the screen. Select "On" next to "Enable Wifi." Click "Search" **G** to see a

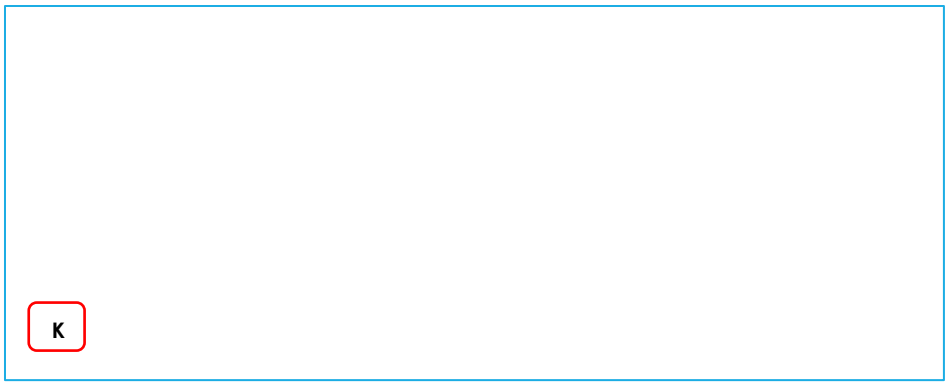


listing of available wireless networks. Click "OK" to select your home wireless network. Alternatively, if you don't see your wireless network (If your network is "hidden" for instance), go back to the preceding screen and enter the name of your Wifi network (Make note of the capitalization) into the field marked "SSID." Select the type of security your network uses under "Network Security Type." Most home networks use WPA2. In the "WPA Algorithm" select TKIP if you don't know which your home network uses. Next, type the password to your home Wifi network in the "Wifi Password" fields and click "Apply." Click "Check" **H** to check your settings.

7. Next, a few passwords need to be changed to make Neposmart more secure. Neposmart uses two different passwords. One of these passwords is used to open and close the garage door and is encrypted. The other password is used to access and log in to Neposmart and is less secure. We will change the password that opens and closes the garage first.
8. Click "Garage Settings" then click "Garage Users." **I** Change the passwords to your liking and tap "Apply." You may wish to write down and store these passwords in a secure place and memorize them thoroughly.



9. If you have more than one Neposmart, click "Garage Control." You will need to change port number used under "Port for secure garage control." If you wish, you can set "2015" for your first Neposmart, "2016" for your second Neposmart and so on and so forth. Tap apply when you are finished.
10. Next, we are going to change the other password. Click "Advanced" then click "Users and Passwords." **K** Change the passwords to your liking and tap "Apply." You may



wish to write down and store these passwords in a secure place and memorize them thoroughly. Keeping these passwords separate from the ones that open and close the garage door is recommended.

11. Your Neposmart is now ready for installation in your garage! You may now unplug it and take it and the rest of the items that it came with to your the garage.

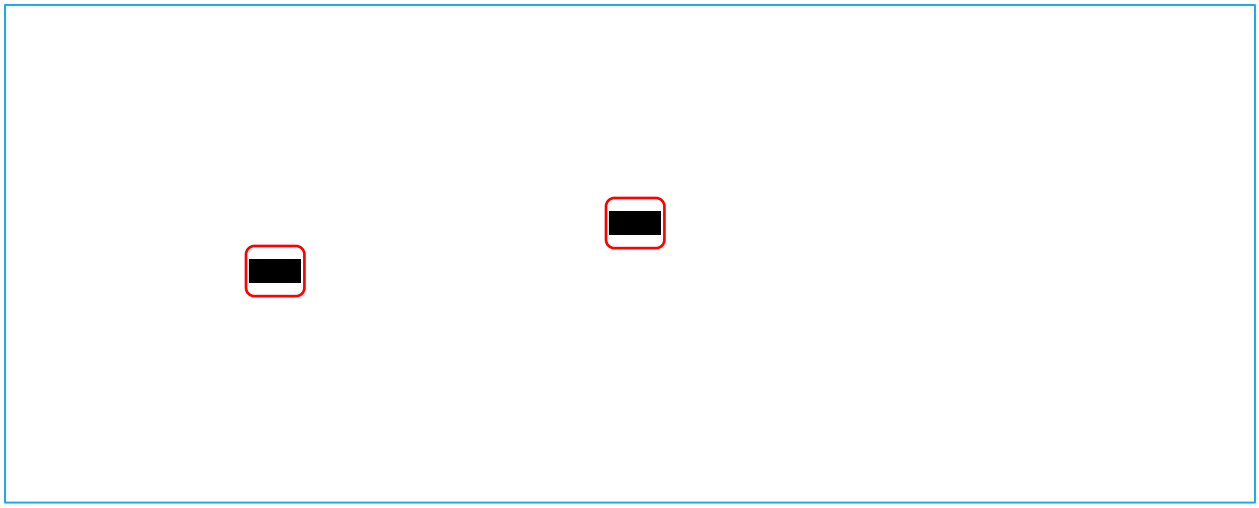
Step 3 – Installing Neposmart in Your Garage

You may refer to Step 3 in the section on Neposmart setup using an iOS device to install Neposmart in your garage. You may proceed to step 4 once you are finished installing Neposmart in your garage.

Step 4 – Final Setup

Neposmart can send email and text alerts using the email to SMS function offered by your cellular carrier.

1. Go to Settings in your web browser. Click "Garage Settings" then click "Garage Control" **B**
2. Click "Email/Alert Settings." **C**



3. In the garage email and alert settings, you can have Neposmart send an email when your garage is opened or closed or motion is detected. First, you must pick an email address from which to send the alerts. When Neposmart sends the alerts, it will be sent from that email address. Enter this into "Sender Email Address" then enter the password for this email account in "Email Password." **I** For the rest of the required information **M** such as port numbers, server names, and SSL refer to your email provider's (e.g. Yahoo!, Comcast, or Gmail)

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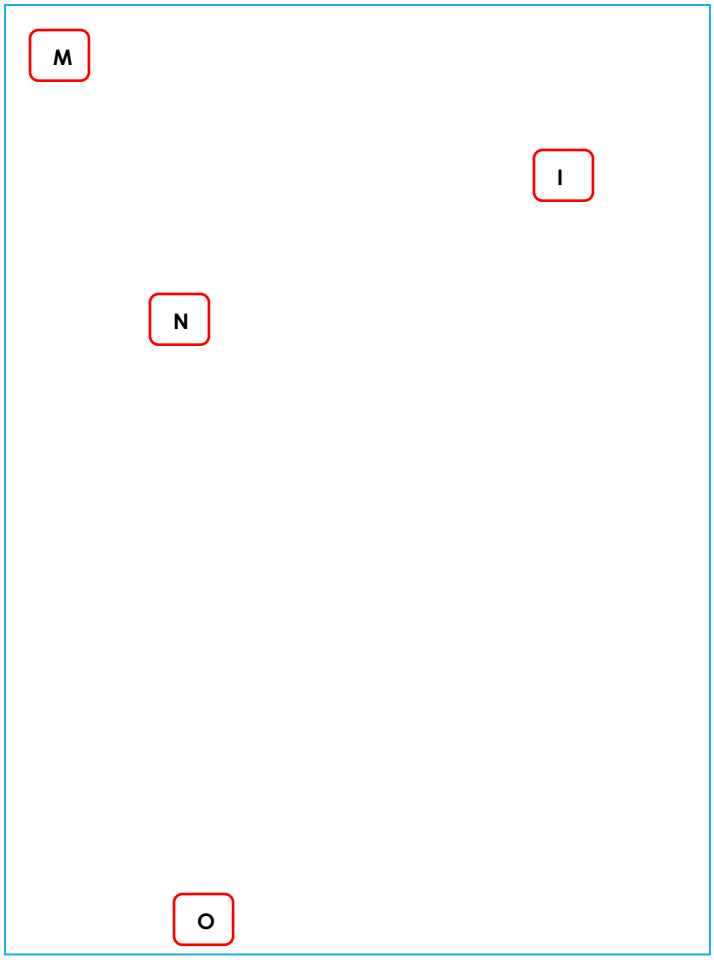
documentation on setting up email accounts on email applications such as Microsoft Outlook, Apple Mail, Mozilla Thunderbird, and other email clients.

4. When you have entered all this information, you can choose email addresses to notify when the garage door is opened or closed. **N** Enter in "Send Alerts To." If you would like Neposmart to send a text message instead, refer to the documentation on your cellular carrier's email to SMS function. A list of email to SMS email addresses can be found at http://www.emailtextmessages.com. If you are using Verizon for instance, and your number is ***2031234567***, then you would enter ***2031234567@vtext.com*** in the list of email addresses to send alerts to.
3. You can customize the messages you receive when an alert is sent as well. When you are finished, tap "Apply" **O** then click "Test" to test your settings. This will send a test message to all of the email addresses and phone numbers you set to receive alerts from Neposmart.



Congratulations! You have finished setting up Neposmart. Enjoy!

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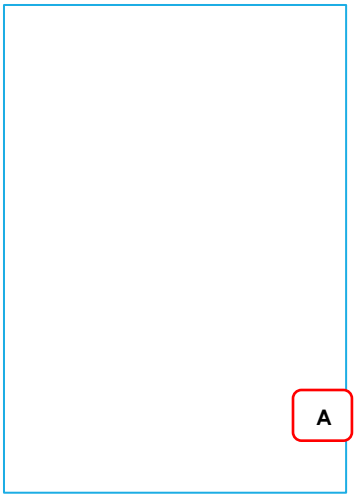
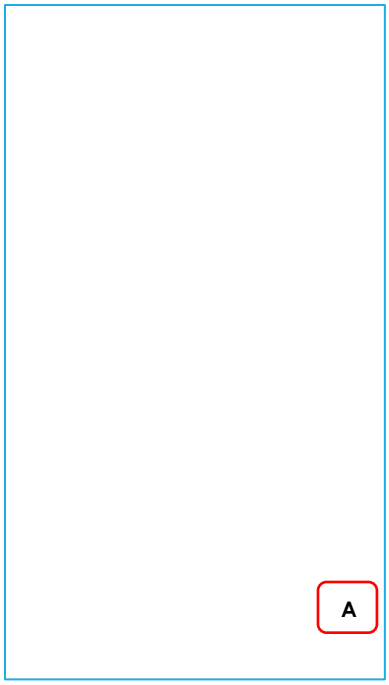
Using the Mobile Web Interface

Neposmart has a special mobile web interface that can be accessed from Android and iOS devices. With this mobile web interface, you can view video from your Neposmart, use Neposmart to open and close your garage door, and adjust advanced Neposmart settings.

Using the Mobile Web Interface





1. You can access the web interface on Android or iOS by going to the list of Neposmart devices in the Neposmart app, tapping the one you would like to access, then tapping the globe button **A**. Alternatively, the web interface can be accessed by entering the IP address of your Neposmart into the web browser on your mobile device. If you would like to use the mobile web interface from a desktop computer, click "Mobile View." **B**
2. Enter the username "admin" and the password to your Neposmart and tap "Login" or "OK."

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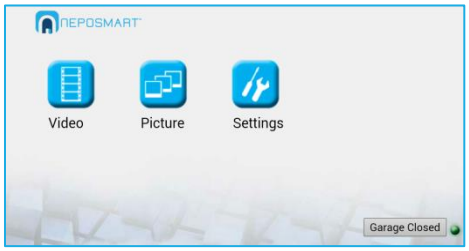
3. Once you have logged in, you may view video from your Neposmart internal camera by tapping "Video." If your connection is slow or your data plan is limited, you may wish to tap "Picture" instead. This shows a snapshot taken by the internal camera in Neposmart without streaming video. If you would like to change the settings of Neposmart, tap "Settings."



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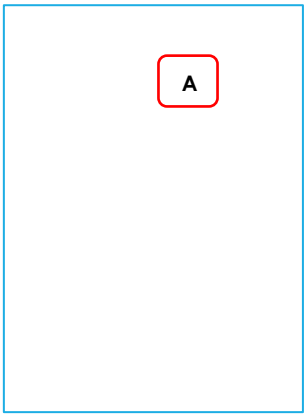
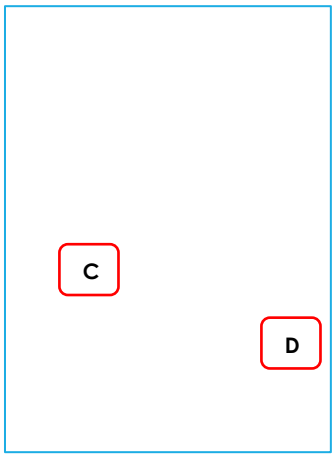
Using the Video and Picture View

1. In the mobile interface, you can choose to use picture view or video view. If you do not want to stream video (useful if you have limited data or a slow connection), you can use picture view which displays a snapshot from the Neposmart internal camera instead of streaming video.



2. In the picture view and video view, you can see a snapshot or streaming video from the Neposmart internal camera in the center of the screen. There are three buttons on the bottom of the screen, a back button, a refresh button to refresh the page, and a settings button that will take you to settings. Additionally, there is button with an arrow on it. **C** When the arrow points down, the garage is open. Tap the button to close the garage. When the arrow points up, the garage is closed. Tap the button to open the garage. When you tap the button that opens and closes the garage, Neposmart will ask you for a username and password. Enter the garage password and username, and tap "OK" or "Log In." When your garage has just finished opening or closing, a message will pop up tell you whether your garage door is opened or closed. **D**



3. To view a different part of your garage, you can either tap the blue arrows on the snapshot or video or swipe on the snapshot or video. The camera in Neposmart will move stepwise up and down and left and right depending on the direction that you swiped or the button that you pressed. Press the refresh button on the bottom center of the screen to refresh the snapshot.

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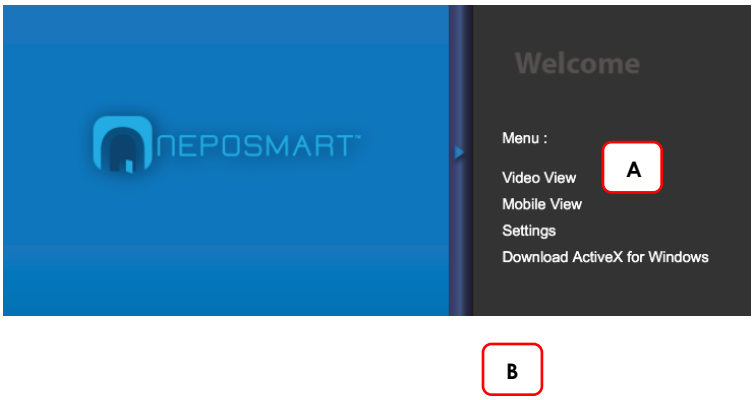
Using the Desktop Web Interface

Neposmart has a desktop web interface that can be accessed from Mac OS X, Windows, and Linux. You can use this interface to view video from your Neposmart, use Neposmart to open and close your garage door, and adjust advanced Neposmart settings from your web browser. **Note: On Mac OS X, you may need to type** *qtdefaults write TransportSettings HTTP 80* **and change the audio compression to G.711 to view video from Neposmart and hear the audio.**

Using the Desktop Video View

You can use Neposmart to view and control your garage by clicking on "Video View" **A** in the main menu.

The control panel **B** that appears on the right allows you to control the camera in Neposmart an open and close your garage door.



On the top of the screen, you can select which video stream from Neposmart you would like to view. Each stream has a different resolution, so you can pick one that suits you depending on the speed of your network connection. You can see the resolutions of each stream below.

1st Stream resolution 1280 x 720
2nd Stream resolution 640 x 360
3rd stream resolution 320 x 180

If you are using Microsoft Internet Explorer, you can also view video from multiple Neposmart devices at one time. You can choose to view video from one device, or if you have two to four devices, you can choose the view

divided into quadrants. If you have more than four devices, pick the view divided into nine frames. You can find more information on viewing video from multiple Neposmart devices in the section on viewing video from multiple Neposmart devices using Internet Explorer.

There is a directional pad that allows you to pan and tilt the camera in Neposmart. Clicking the circle button in the center of the pad centers the camera, and clicking the square button stops the camera as it is panning or tilting. There may be some lag in the video depending on the speed of your connection.

Neposmart can remember up to eight different positions for the internal camera. You can set these positions depending on your preference. For instance, you could set your Neposmart to point at the garage door or to your car. These eight positions are called "Presets" and are numbered from one to eight. To use this feature, use the large round pad with arrow buttons to position the camera in Neposmart to your liking. Click "Preset" to choose which preset you would like to assign this position to. Click "Set" to make Neposmart learn this position. You can make Neposmart quickly and smoothly move to one of your pre-set positions by choosing a preset and clicking "Call."

You can also sweep the internal camera in Neposmart side to side or up and down by simply clicking either the pan (horizontal sweep) or tilt (vertical sweep) buttons which are two double-ended arrow buttons. The camera in Neposmart will return to the initial position it was in after it has finished making a full sweep.

If you are using Internet Explorer, you may also see a number of additional buttons. You need to disable User Access Control in Windows to use these features. You can take snapshots of the video from Neposmart by clicking on the camera icon. You can also record a clip of the video from Neposmart by clicking the film icon.

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Additionally on Windows, you may see two other icons. The SD card icon allows you to view snapshots and clips stored on an SD card inserted into Neposmart. You can find more information on using SD cards later in this chapter. The play button allows you to play recorded video clips.

You can access the Neposmart web setting by clicking "Settings." Clicking the "Home Page" button returns you to the main menu.

If you like, you can use Neposmart to open and close your garage door by clicking "Garage Control."

If you are using Windows, you may also see a status bar under the video. On the left of the status bar is the connection status of the Neposmart. On the right of the status bar are a number of buttons. You can zoom using the + and – buttons. The circle icon zooms out completely. The other three buttons allow you to set the folder where snapshots and video clips from the Neposmart are stored, mutes and unmutes the internal or external Neposmart microphone and mutes and unmutes any speakers connected to Neposmart.

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Viewing Video Using VLC Media Player

You can view the video (and sound) from Neposmart (although you can't control the camera or the garage) using VLC on Windows, Mac OS X, and Linux. To do this, click "File" then click "Open Network..." In the URL field, type ***rtsp://<Neposmart IP Address>***. (For example, if the IP address of your Neposmart is ***192.168.1.100***, type ***rtsp://192.168.1.100***). Click "Open," and a popup window will open. Enter the username and password of Neposmart and click "OK." A window will then open, allowing you to see and hear what the camera and microphone in your Neposmart sees and hears.

To view the second stream, you can enter ***rtsp://<Neposmart IP Address>/12***. To view third stream, change ***/12*** to ***/13***.

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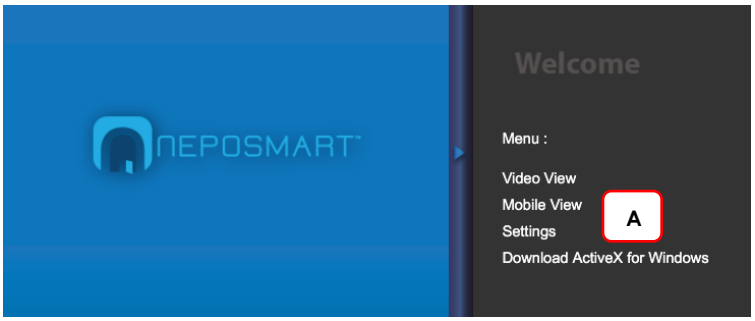
Web on Internet Explorer and Neposmart Control on Windows

An enhanced web interface with additional features is available for Microsoft Internet Explorer. It allows you to view video from multiple Neposmart devices at one time. You can also use the Neposmart application for Windows to view video from multiple Neposmart devices at one time.

Viewing Multiple Neposmart Devices in Internet Explorer



1. The web interface for Internet Explorer allows one to view video from multiple Neposmart units. To enable this feature, open the Neposmart web interface by entering the IP address of your Neposmart. For example, if your IP address is ***192.168.1.15*** and your port number is ***80***, you would enter ***http://192.168.1.15:80*** into your web browser.
2. A popup window will ask you to log in. Enter **admin** as the username and the password for your Neposmart in the password field.
3. If you did not do this when you initially installed Neposmart, click "Download ActiveX for Windows."
4. Click "Settings" **A** and the Setting screen will be displayed. Click "Advanced Settings" on the left panel of the setting screen and then click Multiview Settings **B**.
5. You can add up to nine Neposmart devices **C** for simultaneous viewing. You can find connected Neposmart devices in the Available Devices list **D**. To add another Neposmart device, click "Device 2" then choose a device listed in the "Available Devices" list. Enter the username and password for the Neposmart device you are adding, and click "Add." When you are finished adding devices, click "Submit."

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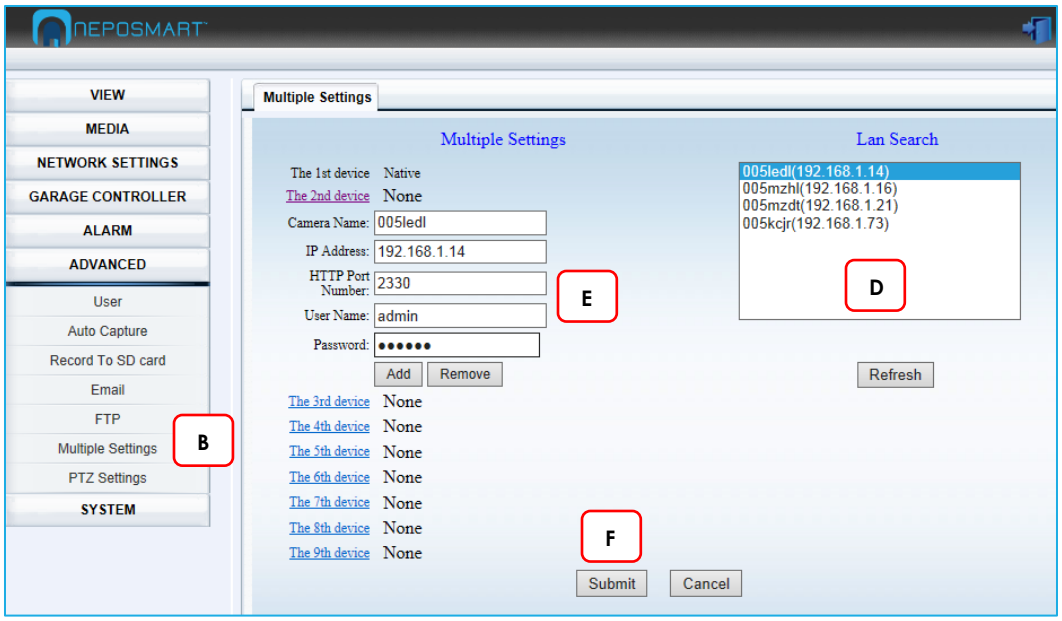


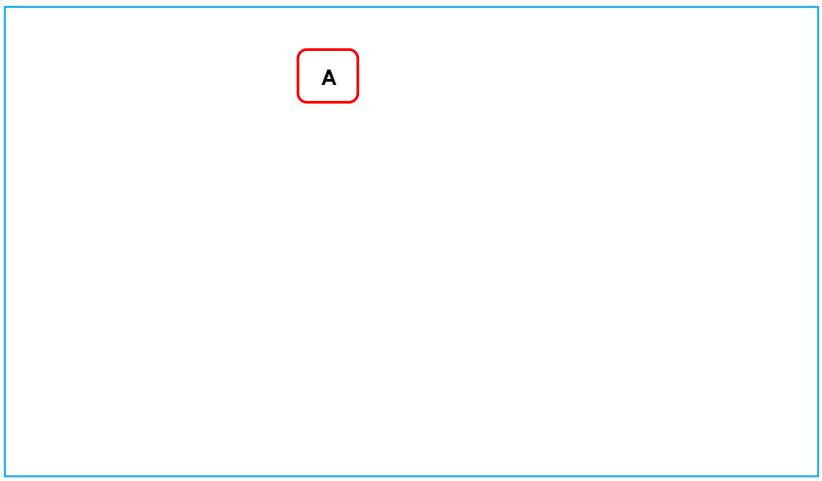
6. Click "Video View" to view video from the Neposmart devices that you have added. If you have two to four cameras, choose the view divided into quadrants in **H**. If you have more than four cameras, you may choose the view divided into nine sections. You can pan and tilt the cameras in individual Neposmart devices or change the settings of each device.

7. Each Neposmart has a status bar **I**. On the left of the status bar is the connection status of the Neposmart. On the right of the status bar are a number of buttons. You can zoom using the + and – buttons. The circle icon zooms out completely. The other

three buttons allow your to set the folder where snapshots and video from the Neposmart are stored, mutes and unmutes the internal or external Neposmart microphone and mutes and unmutes any speakers connected to Neposmart.

Viewing Multiple Neposmart Devices on Windows

1. If you like, you can download a program called NeposmartMonitor.exe. This program allows you to view multiple Neposmart devices at one time. After you have installed the program, double-click on the "IPCMonitor" icon to open it **A**.



2. You can search for connected Neposmart devices by clicking
3. You will see a dialog box **B**. Click "Search."

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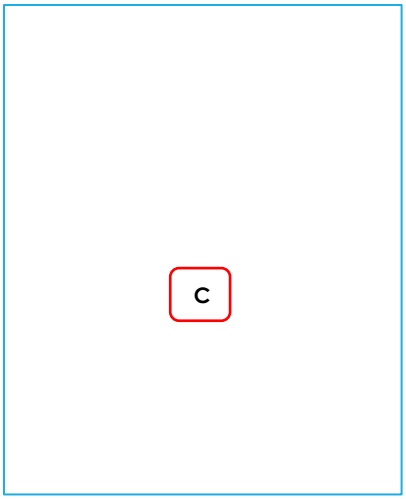
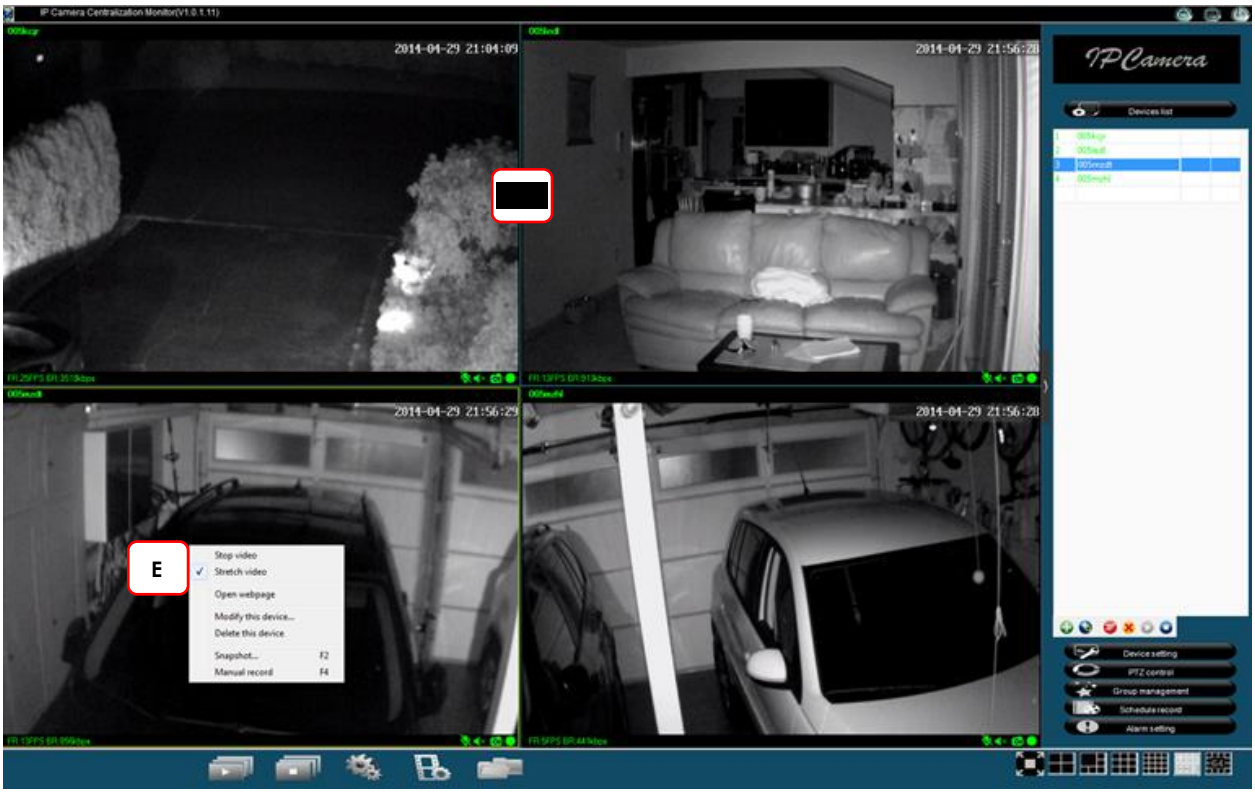
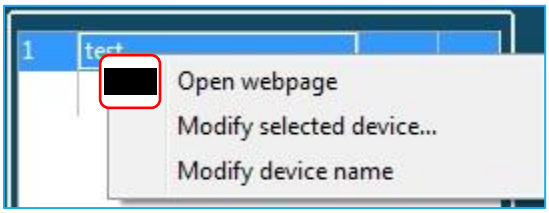
4. You can select the Neposmart devices you want to view by clicking the checkbox on the left of the Neposmart devices that you would like to view. Enter the username and password for each device you would like to use on the left. When you are finished, click "Save."
5. If needed, you can also manually add Neposmart devices by clicking
6. You will see a pop up window **C** where you can enter the details of the device you would like to add. If you like, you can give your device a meaningful name such as "Garage." Choose "H&M Series," enter the IP address and port number of your device and the username and password for the device you would like to add.
7. You can start viewing video from a Neposmart device by selecting it then double-clicking it. You can also click or click to start or stop the device from streaming video.
8. If you like, you can also start streaming video from all selected Neposmart devices by clicking at the bottom left of the screen. Click to stop all Neposmart devices from streaming video.





9. Right-clicking on the video **E** from a device will allow you to stop the video from streaming, to stretch the video, to open the web interface of that device, and to modify and delete the device. You can also take a snapshot or record a clip of the video from the device.



10. Clicking the button or right clicking a device in the device list will open a menu **F**. You can open the web interface of the device or modify the device or change the device name.
11. To delete a device, select it in the list and, click the button. To delete multiple devices, you can select them by holding the Ctrl or Shift key and clicking on the devices in the list that you would like to delete.
12. You can pan or tilt the camera in a specific Neposmart by selecting that Neposmart in the device list and clicking "PTZ Control." A directional pad will appear **G** will appear in the right panel allowing you to tilt or pan the camera. Neposmart can remember up to eight camera positions. You can set positions by panning and tilting the camera to the position you want, choosing a number, and clicking "Set." When you want the camera to move to a specific preset position, choose the number you set for that position and click "Call." The camera will immediately pan and tilt to that position smoothly.

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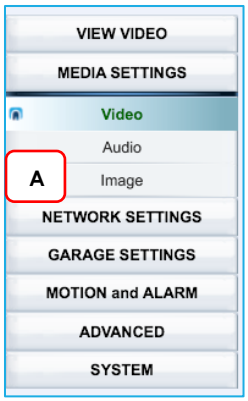
Advanced Settings and Features

If you like, you can access Neposmart from nearly any device with a web browser. This allows you to view and control your garage as well as change advanced Neposmart settings.

Neposmart Web Settings

Neposmart web settings allows you to change settings on Neposmart and set up advanced features. You can access it from nearly any device with a web browser.

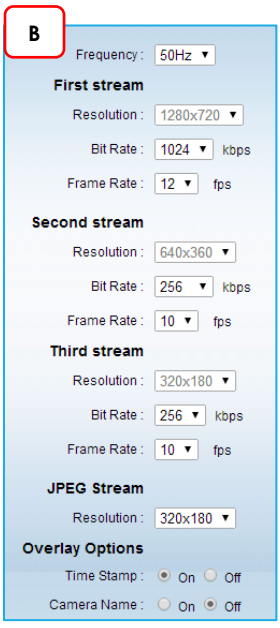
There are a number of ways to open web settings. You may go to the Neposmart app in Android and iOS, choose the camera you would like to view, then tap the globe icon, enter the username and password to your Neposmart, then tap "Settings." You may also open a web browser, enter the IP address of the Neposmart you would like to access, enter the username and password to your Neposmart, then tap or click "Settings."



The Neposmart web settings interface has two panes. The left pane of the screen **A** shows a list of settings you can change on Neposmart listed by category. Clicking a category on the left pane opens a drawer showing what settings are available in that category. You may also tap or click "Video View" to return you to video view. You can change the settings of Neposmart in the right pane.

Media Settings

"Media Settings" allows you change the quality of the video streamed from Neposmart, the quality of the audio, and image settings.



Video B

You can change the settings of each of the three video streams that Neposmart produces here. While you cannot change the resolutions of each video stream, you can set the bit rate and maximum frame rate of each stream. Higher bit rates and frame rates use more data. If

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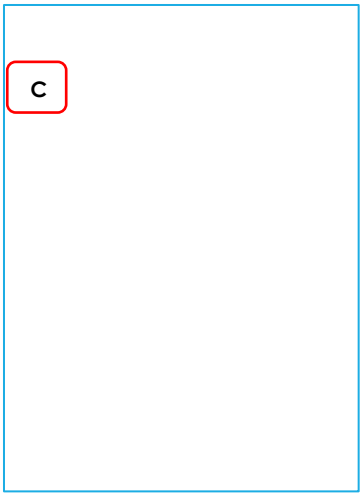
you notice flickering in the video from your lights, you can change the frequency setting to reduce or remove the flickering. You can also control the resolution of the video in the mobile web interface by changing the "JPEG Stream" resolution. A higher reolution will use more data. You can also choose whether a time stamp or device name appears on the video in "Overlay Options."



Audio C

You can change the audio quality in each of the three video streams here. Neposmart supports G.711 and G.726 audio compression. G.711 produces higher quality audio, but uses more data. You can also turn audio playback for each of the streams on and off. If you like, you can change the volume of the internal or external microphones or speakers by changing the input and output volume.

Image D

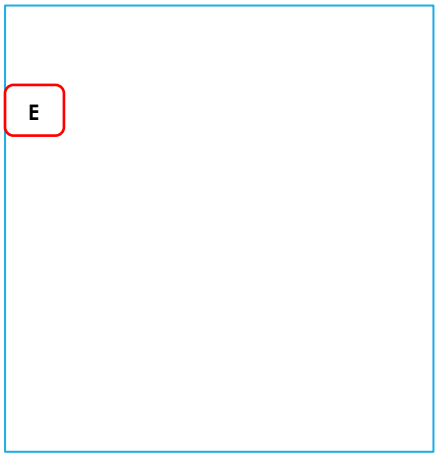
Here you can set the brightness, saturation, and contrast of the video from the Neposmart internal camera. You can also turn night mode on and off and disable and enable the night vision lights. Additionally, if you Neposmart is mounted upside down, you can select both "Flip" and "Mirror."

Network Settings

"Network Settings" allows you to change Neposmart network settings.

Network E

In "Network," you can set the network settings Neposmart will use to connect to your network and to the Internet. You can choose whether Neposmart uses a dynamic IP address (automatically set by your router and may change when the camera is reconnected) or a static IP address (set by you and does not change). If you intend to use Neposmart to control your garage away from home, using a static IP address is highly recommended. If you want to use a static IP address,



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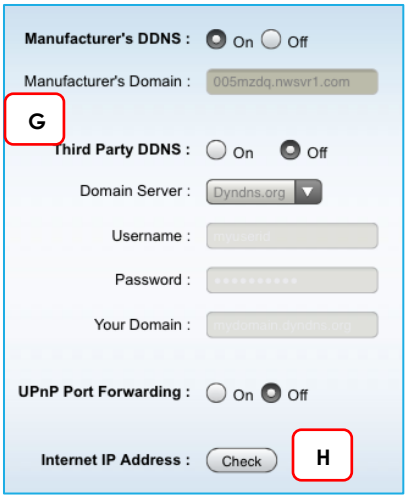
you can click on "System" and "Device Information" in the left panel and copy the IP address, subnet mask, default gateway, and primary DNS server. Return to "Network" and enter this information into the corresponding fields. Additionally, you can change port settings if necessary. The HTTP port is used for accessing the Neposmart web interface. The RTSP port is used for accessing the video from the Neposmart internal camera. Most users should not need to change these ports.

Wifi F

If your Neposmart is connected to your home network using Wifi, click "On" to turn Wifi on. Click "Search" to see a listing of available wireless networks. Click "OK" to select your home wireless network. Alternatively, if you don't see your wireless network (If your network is "hidden" for instance), go back to the preceding screen and enter the name of your Wifi network (Make note of the capitalization) into the field marked "SSID." Select the type of security your network uses under "Network Security Type." Most home networks use WPA2. In the "WPA Algorithm" select TKIP if you don't know which your home network uses. Next, type the password to your home Wifi network in the "Wifi Password" fields and click "Apply." Click "Check" to check your settings.

Remote Access G



If you would like to use Neposmart away from home, a few of these settings may be useful. DDNS provides you with an easy way to access the Neposmart away from home through a web browser by simply entering the URL in the "Manufacturer's Domain" field into your web browser. You will need to enable port forwarding on your router for this feature to work. If you don't want to use the free DDNS service provided by the manufacturer of Neposmart, you can set Neposmart to use another DDNS service in the "Third Party DDNS" section. UPnP port forwarding can also be used if your have UPnP enabled on your router to automatically forward ports. UPnP is not very secure, and can cause serious security problems in your network by allowing devices to automatically forward ports without authorization, so enabling it is not recommended unless necessary. If you would like to find your external IP address (useful for connecting to Neposmart away from home), click "Check" H next to "Internet IP Address." A popup window will display your external IP address.

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Onvif Settings I

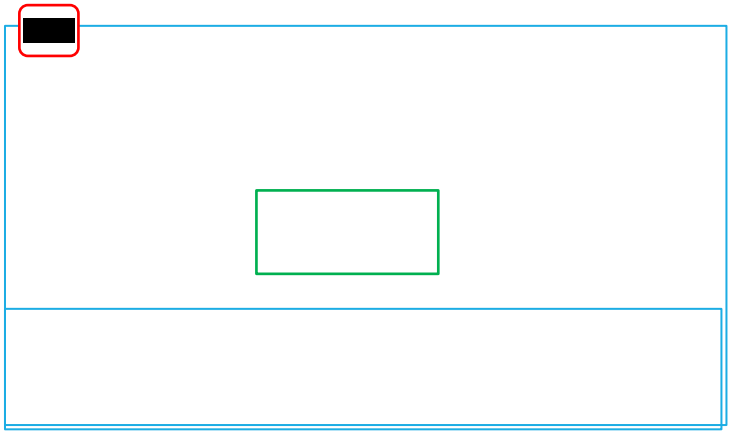
Onvif (Open Network Video Interface forum) is a global and open industry forum designed to create a standard for surveillance and security products to communicate with each other. Neposmart supports Onvif 2.0.1 and can be connected with other devices that support Onvif. You can enable it by clicking "On." You can select a port number for it, but the default should be sufficient. If you would like it to prompt you for your username and password when you use Onvif, set "Authorization Check" to "On."

Garage Settings

Garage settings allows you to enable and disable the garage control features of Neposmart. It also allows you to enable or disable alerts from your garage. You can also change the passwords and usernames for opening and closing the garage door in "Garage Users."

Motion and Alarm

Motion Detection J – Neposmart can track motion in four different locations and send alerts when motion is detected in that area. Neposmart can also take snapshots and video clips when motion is detected and save these snapshots and clips to an SD card or an FTP server. You can set the sensitivity of each location to your liking.



Motion Alerts K – You can set Neposmart to send alerts when motion is detected. It can save snapshots and video clips to an inserted SD card or connected FTP server for processing. You can also change you email alert settings by clicking "Email Alert Settings" Finally, you can set the internal

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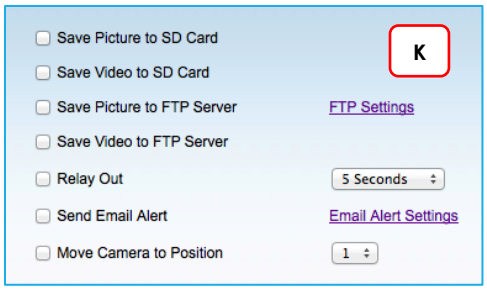
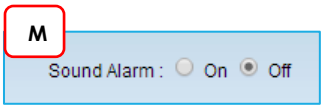
camera in Neposmart to move to one of the eight pre set positions. The "Relay Out" setting cannot be used when Neposmart is connected to the garage or it may cause the garage to open or close erratically. This feature is automatically disabled when the garage control features are enabled.

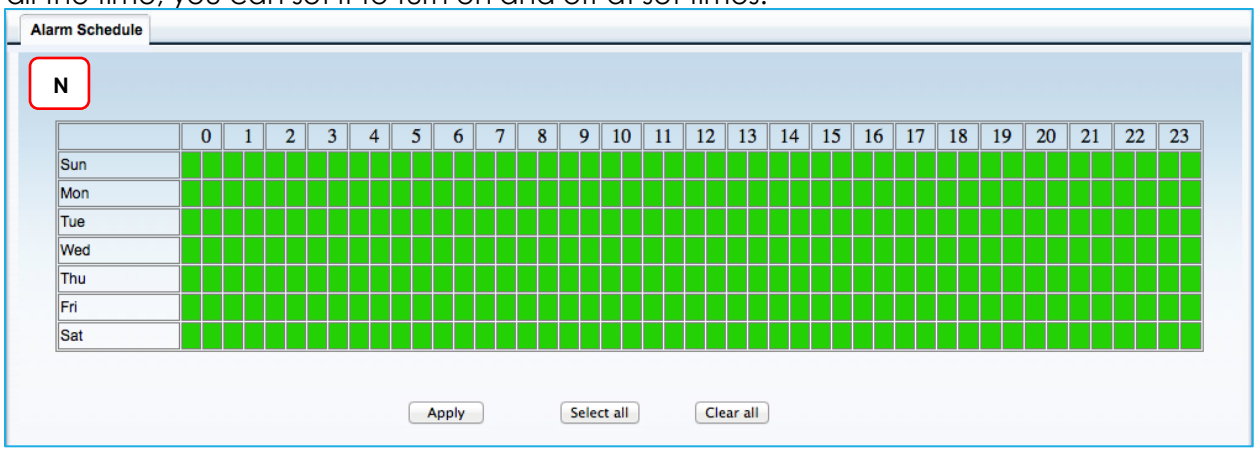


Door Sensor L – This allows you to change the settings of the magnetic switch that allows Neposmart determine whether your garage is opened or closed. In most setups, the default settings here are sufficient, but if by chance your Neposmart tells you that the door is opened when it is closed or closed when it is opened, change "Detection Mode" from "Open" to "Closed" or "Closed" to "Open."

Sound Alarm M – If you are using Neposmart to open and close your garage door, this should be set to "Off" or it may cause your garage door to open and close erratically.

Alarm Schedule N – You can set a schedule for motion alerts to be active. By default, motion alerts are active 24 hours a day seven days a week. If you don't want motion alerts to be active all the time, you can set it to turn on and off at set times.





Advanced Settings

Neposmart has a number of advanced settings that you can change.

Users and Passwords O – There are three different kinds of accounts that can be used to log into Neposmart. Each account has different

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privileges and abilities. The administrator can change any of the settings of Neposmart. The user account can view video from Neposmart and use Neposmart normally, but cannot change any settings. A guest user can view video from Neposmart only and not pan or tilt the internal camera or access any other features. If you have not changed the passwords of Neposmart when setting it up, change the passwords here to your liking and click "Apply" when you are finished. You may write down and store these passwords in a secure place or memorize them thoroughly.

Snapshots **P** – You can have Neposmart take snapshots at specified intervals and save them to an SD card or connected FTP server. If you don't want Neposmart to be taking snapshots around the clock, you can set a schedule for it here.

SD Card Recording **Q** – You can have Neposmart record clips of video and save them to an SD card. If you don't want Neposmart to be recording video around the clock, you can set a schedule for this as well. You can set the quality of the video by choosing a stream, and you can set the quality of the stream in "Media Settings."

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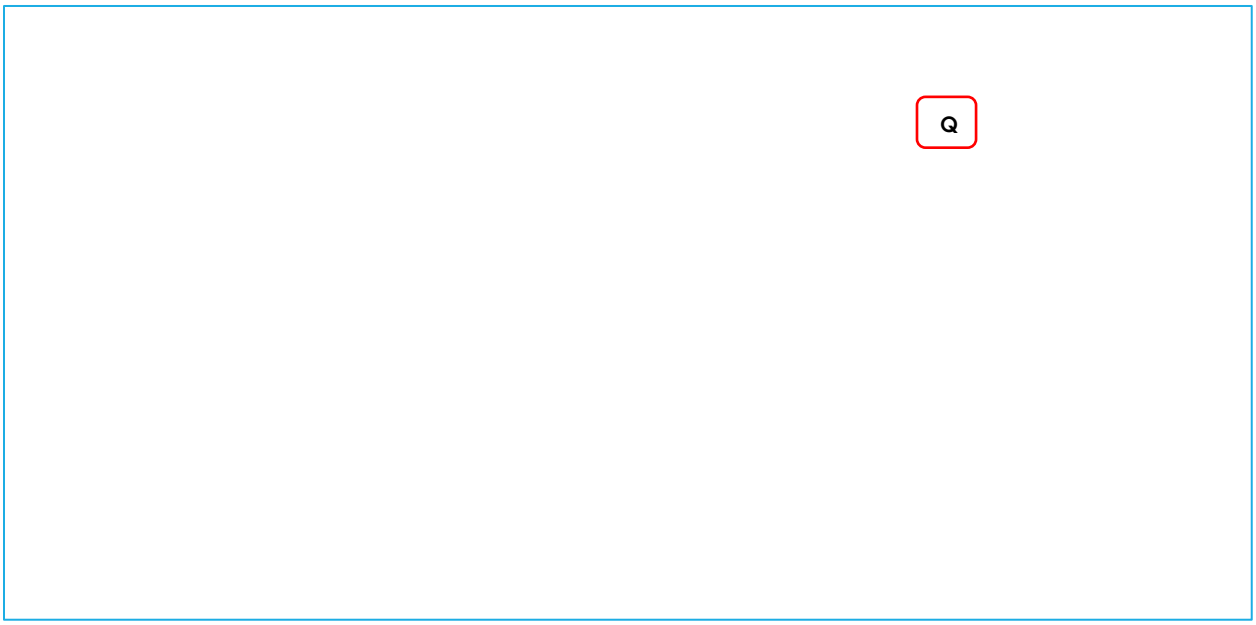
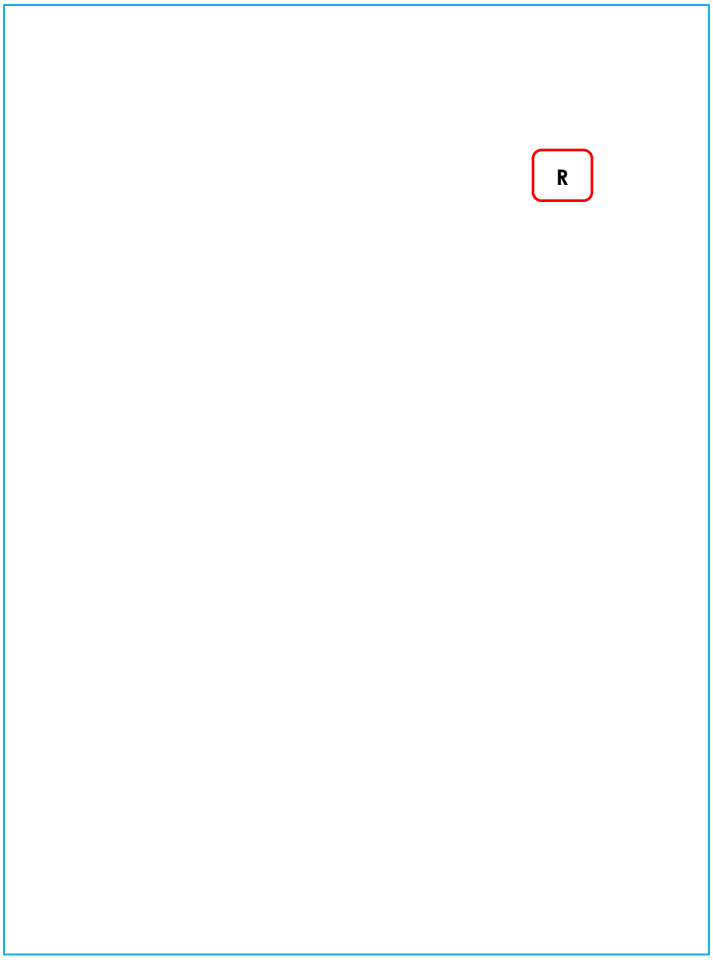


Email Alerts R – In the garage email and alert settings, you can have Neposmart send an email when your garage is opened or closed or motion is detected. First, you must pick an email address from which to send the alerts. When Neposmart sends the alerts, it will be sent from that email address. Enter this into "Sender Email Address" then enter the password for this email account in "Email Password." For the rest of the required information, refer to your email provider's documentation on setting up email accounts on email applications such as Microsoft Outlook, Apple Mail, Mozilla Thunderbird, and other email clients. You will need the SMTP server information and the server port among other things.



When you have entered all this information, you can choose email addresses to notify when the garage door is opened or closed. Enter in "Send Alerts To." If you would like Neposmart to send a text message instead, refer to the documentation on your cellular carrier's email to SMS function. A list of email to SMS email addresses can be found at ***http://www.emailtextmessages.com***.

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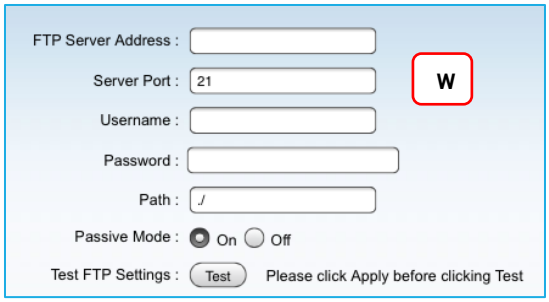
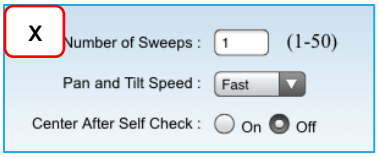
If you are using Verizon for instance, and your number is ***2031234567***, then you would enter ***2031234567@vtext.com*** in the list of email addresses to send alerts to.

You can customize the messages you receive when an alert is sent as well. When you are finished, tap "Apply" then click "Test" to test your settings. This will send a test message to all of the email addresses and phone numbers you set to receive alerts from Neposmart.



FTP Settings W – Neposmart can save pictures and video in an external FTP server. Additionally, Neposmart can use this capability to save pictures and video in the cloud using Google Drive, Copy, Dropbox, and other cloud storage services. Enter the address of your FTP server and the username and password that you use to access the FTP server. Click "Apply" when you are finished. You may click "Test" to test your settings.

Multiview Settings – If you are using Internet Explorer, you will see an additional set of settings called "Multi-view Settings." These settings allow you to view video from multiple Neposmart devices at one time. More information on using this setting can be found in the section on using the Internet Explorer web interface.



Camera Pan/Tilt X – You can set some of the panning and tilting settings of the Neposmart camera here. You can change the number of sweeps the Neposmart camera makes when you press the sweep buttons on the Neposmart desktop web interface (the two arrow buttons). You can also set how fast the Neposmart camera sweeps. Also, you can set Neposmart to center the camera when Neposmart is first turned on

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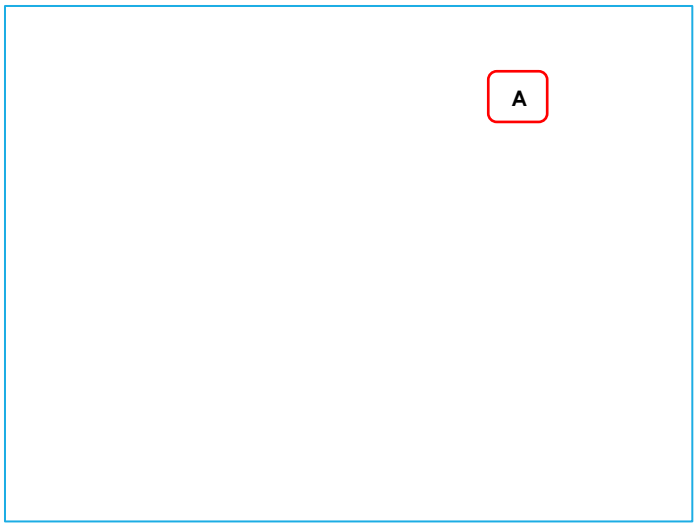
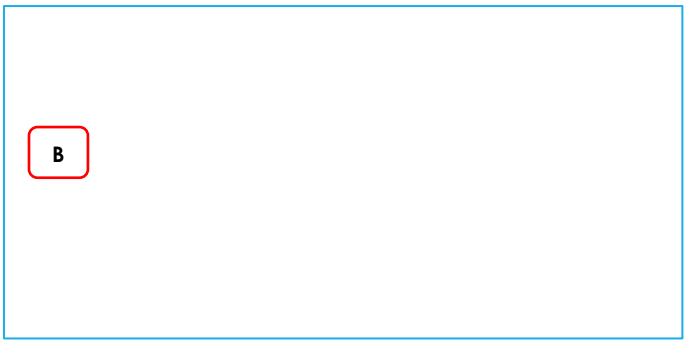
System Settings

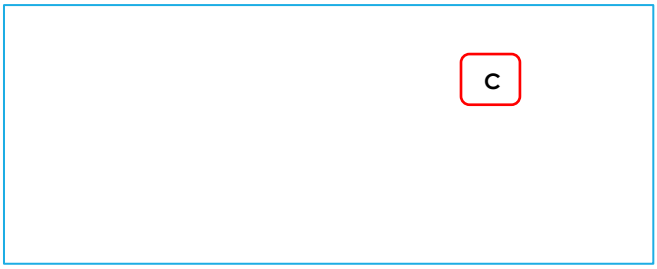
Device Information A – You can find information about Neposmart here including the device ID, number of people connected and using Neposmart, the the type of network connection Neposmart is using, the version of the software running on Neposmart, the MAC address of the device, and the current network information. You can also see when your Neposmart was last turned on. You can also see the status of an inserted SD card, browse the files in the card and format the card. To safely remove the SD card, click "Eject SD Card."



Date and Time B – You can change the time and date of the Neposmart internal clock. You can choose whether Neposmart uses the network to set the clock automatically (using the network time protocol), set the time zone, set the clock based on the clock in your computer, and automatically adjust the clock for daylight savings time.



Initialize C – You can restart Neposmart, restore factory settings, back up the settings you are using (highly recommended), restore settings from a backup, or upgrade the firmware of Neposmart



System Log – If you are having problems with Neposmart, you may be asked to check the system log of Neposmart by Neposmart support. You can view when Neposmart was last

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started as well as when different users have connected to it and opened and closed your garage door.

Neposmart Quick Reference Card

It is often a good idea to keep records of certain settings of your Neposmart so that you can access your Neposmart more easily on the go or if you need to contact Neposmart support. Below is a sample card prefilled with information, and it is recommended that you make a similar card for your own use.

1	Device ID	005mzqq
2	DDNS	005mzqq.nwsvr1.com
3	Device UID	FSYT9WRY946L1N689UQQ
4	Location	Garage Door
5	IP address (Local)	192.168.1.16
6	Port Number	6264
7	Garage Port Number	6700
8	External IP address	24.16.97.108

You can find the device ID, UID, and DDNS printed on the base of Neposmart. You can find the port number of Neposmart in "Network Settings"–>"Network" and find the IP address of Neposmart in "System"–>"Device Information." You can find the port for opening and closing the garage in "Garage Settings"–>"Garage Control."

As you may notice, passwords are not included on this card. Storing the password to Neposmart and the password for opening and closing your garage door separately is highly recommended. Storing them electronically is not advised.

Using Neposmart Away From Home

You can easily monitor and control your garage away from home with Neposmart. Some internet service providers have data caps and may limit the amount of data you can transmit and receive from your home. You may wish to change the video settings of Neposmart to a lower quality setting to reduce the amount of data used when using Neposmart away from home. Additionally, before you set up Neposmart so that you can

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access it away from home, make sure you change any and all passwords for Neposmart. Changing Neposmart passwords periodically is suggested to maintain security.

1. Go to the web settings for your Neposmart and enter your password to log in.
2. Click or tap "Network Settings" and "Network." Write down what it says under "Port Settings." **Note: If you have multiple Neposmart units, you may need to change the HTTP ports to have a unique one for each one.**
3. Click or tap "Garage Settings" and "Garage Control." Write down what is written in the field "Port for secure garage control." **Note: If you have multiple Neposmart units, you may need to change the garage ports to have a unique one for each one.**
4. Depending on the number of Neposmart devices you may have, you may wish to

Device	Local IP address	HTTP Port	Garage Port	Location
NepoSA	192.168.1.15	6264	6700	Garage A
NepoSB	192.168.1.16	6265	6701	Garage B
NepoSC	192.168.1.17	6266	Disabled	Living Room

   repeat the above process multiple times.
5. When you are done, you should have a list that looks something like this:
6. Now, you will need to read the documentation that came with your router or modem to enable port forwarding. You can also look up specific instructions for your router at ***http://portforward.com***. Port forwarding allows you to access Neposmart over the internet, and your external IP address is the address you can use to access your Neposmart away from home. You can find your external IP address by going to web setting on Neposmart, clicking "Network Settings"–>"Remote Access" then clicking "Check."
7. An example using Airport Utility on iOS is shown here, but what you see may be different depending on what router you may be using.
8. Log into your router using the instructions provided by the manufacturer. In the case of Airport Utility, tap, "Enter Password" enter the password, and tap "OK." Depending on your router, you may have to open a web browser and type in the IP address of your router to change settings, enter your password and username and tap or click "OK" or "Log In."
9. Port forwarding settings are usually found in the advanced settings category. In Airport Utility for instance, you will need to tap "Edit" then tap "Advanced."
10. You will need to set your router to forward a few ports. If you are using Airport Utility, tap "Port Settings" then tap "New Entry."
11. Depending on which functions of your Neposmart you want to use while you are away from home, you may need to forward up to two ports for each Neposmart you own. One port is for accessing the camera through the web, and the second is for opening and closing your garage.
12. Enter the private TCP port you want to forward and the IP address of the Neposmart. Enter a public TCP port (often you can use the same port number as in the private

TCP port unless your ISP blocks it. Many ISPs allow IP cameras and related devices but block ports 80 and 8080 for instance). In many routers including the Apple AirPort Extreme and Express, you can name each entry something meaningful, but this is not necessary. If you have multiple Neposmart devices, set the public TCP ports to something unique for each device. This way, you can access each one separately. If I would like to access NepoSA for instance, and my external IP address is ***98.12.34.56***, I would enter ***http://98.12.34.56:6263***, and if I would like to access NepoSB, I would enter ***http://98.12.34.56:6364***. I can choose which Neposmart I am accessing by simply changing the port number I enter into my browser.

Device	Local IP address	HTTP Port	Garage Port	External Ports HTTP/Garage
NepoSA	192.168.1.15	6264	6700	6264/6700
NepoSB	192.168.1.16	6265	6701	6265/6701
NepoSC	192.168.1.17	6266	Disabled	6266/Disabled

13. When you are done, save these settings. In Airport Utility, you would tap "Done," "Done," and "Done" once more. Your router may need to restart to apply these settings. You might want to make a table like the one shown above for easy reference if you want to access your Neposmart away from home.

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Troubleshooting Guide

Neposmart should generally be reliable and trouble-free, but should any problems arise, you can find solutions here.

1. Neposmart is not turning on.
    a. Make sure the AC adapter is connected securely to the DC port on the back of Neposmart.
    b. Make sure the AC adapter is connected securely to a powered outlet and no fuses or circuit breakers are tripped.
2. Neposmart cannot find any wireless networks.
    a. Make sure the Wifi antenna is securely connected to the back of Neposmart.
    b. Your network may be hidden. Use the web interface to connect your Neposmart to your wireless network
    c. Your wireless network may be out of range. Use a Wifi extender to extend the range of your wireless network.
3. Neposmart does not appear when I search for it on my Android or iOS device.
    a. Neposmart may not be connected to your network. Check the antenna or Ethernet cable to ensure that it is firmly connected. If the tab on the plug of your Ethernet cable is damaged, it may not connect securely.
    b. Check to make sure your Android or iOS device is actually connected to your home network and not the guest network, your neighbor's network, or cellular data.
4. I can't find the Neposmart app on my Android or iOS device.
    a. Go to the App Store on your iOS device or Google Play store on your Android device and search for "Neposmart." If the app is already installed, tap "Open" in the App Store or Google Play store to open the app.
    b. Make sure the device you are holding is actually yours. Many different devices look alike.
5. I can't see any video in the Neposmart app on my iOS or Android device.
    a. If you have just moved outside of your house, your device may be in the process of disconnecting you from your wireless network and connecting you to cellular data. The video may not appear momentarily as this switch occurs.
    b. You may not have a stable Internet or network connection on your device. This may cause the video to stop streaming momentarily.
    c. You can force your device to reconnect to Neposmart by returning to the list of Neposmart devices and selecting your Neposmart device again.
6. I can't see any video in my web browser on Mac OS X.
    a. You may need to go to Terminal and type **qtdefaults write TransportSettings HTTP 80**.

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    b. You may also need to change the audio compression to G.711 to hear the audio
7. I can't open and close my garage door from the Neposmart app on my iOS or Android device.
    a. You may want to check your settings to ensure that they are correct. Return to the device list, and tap the "i" if you are using iOS or the button that looks like a circle with a triangle if you are using Android. Go to the garage settings and check the password and username. You can also check the IP address and port number of your Neposmart to make sure they are correct.
    b. Check to the wiring connecting Neposmart to your garage door to make sure everything is connected securely.
    c. Try opening and closing your garage door using the web interface on your computer or device to troubleshoot further. If you hear a faint click from Neposmart and your garage door is not opening or closing, there may be an issue with the way Neposmart is wired or connected. Try reconnecting the wires, and if the problem persists, contact Neposmart support. You may want to purchase a wireless module to connect your garage door to Neposmart.
8. I can only open my garage door using the Neposmart app on my Android or iOS device when I am at home.
    a. Check your port forwarding settings. The port for opening and closing the garage needs to be forwarded for you to be able to open and close your garage door away from home.
    b. Check the garage settings in your Neposmart app, and make sure that external IP is selected. Otherwise, your device will not be able to open or close your garage door away from home.
9. I'm prompted for my password when I try to open and close my garage door with Neposmart from the web interface and my password isn't working.
    a. Neposmart has two different passwords. One password allows you to log into the device. The second password allows you to open and close your garage door. Make sure you are entering the password that opens and close your garage door. These two sets of passwords protect you by ensuring that someone needs to know two different passwords to open your garage door. If one is compromised, then you are still protected. To add additional security, the password that opens and closes the garage door is encrypted to make it more difficult to break. The default username for Neposmart is **admin** and the default password **123456**. The default username for opening and closing the garage is **garage** and the default password is **2015**. Make sure to change these passwords while you are setting up Neposmart.
    b. Go the web interface then go to "Garage Settings"–>"Garage Users" to change the password to open and close your garage door if you forgot the password you set.
10. I'm using Internet Explorer and have installed the ActiveX control, but I can't see video.

a. Try closing and opening Internet Explorer. If you are prompted to allow or deny access, select allow and then click refresh.
b. If you are using Internet Explorer 11, you need to enable Compatibility View. You can find more information on this in the section on setting up Neposmart using you Windows PC.
c. You can troubleshoot by using a different browser such as Firefox or Chrome to view the video to determine whether Neposmart or your web browser is having problems.

11. The video is very choppy or the video quality is very poor.
    a. Check to see if Neposmart has a strong Wifi signal. Neposmart may not be able to deliver good video quality if the network connection is poor. Alternatively, you can connect Neposmart to your network using an Ethernet cable.
    b. Make sure the device you are using has a good network connection or cellular reception.
    c. You can use picture mode in the mobile web interface or change your video quality to low.
12. I changed my password and I can no longer connect to Neposmart from my Android or iOS device.
    a. If you changed the password of your Neposmart, restart the Neposmart.
    b. Make sure you are using the correct passwords.
13. I cannot access Neposmart away from home.
    a. Check to make sure your ports are correctly forwarded, and make sure that you entered the correct port number into your browser. If your IP address is ***98.12.34.56*** and your port is ***6264***, enter ***http://98.12.34.56:6264***.
    b. Check that you have the correct external IP address. Many Internet service providers change your external IP address from time to time. You can find your external IP address by going to web setting on Neposmart, clicking "Network Settings"–>"Remote Access" then clicking "Check."
14. I forgot my passwords.
    a. If you forgot the password you need to log into your Neposmart, you will need to reset Neposmart to factory settings. Push and hold the reset button on the rear of Neposmart for ten seconds. You will need to set your Neposmart up again. The default username is **admin** and the default password is **123456**.
15. A remote control has stopped working or has reduced range.
    a. Neposmart emits radio frequencies in the course of normal operation. You may wish to relocate Neposmart to reduce the interference.
    b. You can also move the antenna of the device controlled by the remote control to alleviate the interference.

Safety Information and Product Care

Focusing the Neposmart Camera – While the factory-set focus of the camera in Neposmart is often sufficient, if the camera is used exclusively with night mode or daylight mode or is used to view very close objects or objects very far away, it may be necessary to focus the lens for a clearer picture.

1. Open the web interface of Neposmart or the Neposmart app on your device and set the video quality to maximum. You may also use VLC to view the video from the Neposmart camera when focusing the camera.
2. Point the camera at an object you would like to focus on
3. Slowly turn the focus ring on the camera until the object comes into focus. Keep in mind that there may be some lag in the video display. Turn the focus ring clockwise to focus on far-away objects and turn the focus ring counter-clockwise to focus on close-by objects.

Cleaning Neposmart

- To clean Neposmart, unplug Neposmart and turn off power to the garage door opener. Neposmart may be cleaned with a soft, damp (not dripping) cloth. Do not use abrasives to clean Neposmart. Do not expose Neposmart to alcohol or other solvents. They may damage the finish. Do not allow liquids to drip into Neposmart.
- To clean the camera lens, use a soft lens cleaning cloth dampened with lens cleaning solution to avoid scratching or damaging the lens. You may also use a blower bulb to gently blow dust off the lens.

Environmental Hazards

- Keep Neposmart away from dusty or damp environments.
- Do not expose Neposmart to extremely cold or hot conditions (such as over a hot air register or radiator).
- Neposmart may become warm during the course of normal operations. This is normal.
- Do not disassemble, drop, burn, or crush Neposmart or expose it to excessive vibration.
- Do not block air vents on Neposmart.
- Do not operate Neposmart in an area with a potentially explosive atmosphere such a place where fuel or explosive gases are stored or where there are large quantities of chemicals, grain, dust, or metal powders in the air.
- Do not force connectors into ports on Neposmart. If a connector cannot be inserted relatively easily, it may not match the port or may not be oriented correctly.
- Inspect mounting screws and anchors periodically.

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- Additional information on the Neposmart environmental design specifications can be found in the specifications section.

Garage Safety

- Garage doors and related equipment can cause property damage, injury, and loss of life if misused. Please refer to your garage door manual for proper safety inspection procedures.
- Do not install Neposmart if your door does not have an electric eye or equivalent safety system that is properly aligned and working.
- Safety inspections must be completed periodically to ensure safe door operation.
- Keep all garage door controls including Neposmart and devices with Neposmart installed away from children, and do not allow children to operate the garage door.
- Only use Neposmart with a properly lubricated and balanced garage door. Improperly balanced garage doors may not reverse properly, causing property damage, injury, or death.
- Never walk under an opening or closing garage door. If a balancing spring or mechanism fails, the door could fall shut suddenly, causing death or serious injury.

Regulatory Compliance Information

FCC Compliance Statement

Neposmart has been tested for compliance with part 15 of the FCC rules. Operation is subject to the following 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. This equipment should be installed and operated with minimum Neposmart generates, uses, and may radiate radio frequency energy. It may cause distance 20cm between the radiator and your body.

interference if not installed and used properly. If Neposmart does cause interference, you may reduce interference by:

- Move the antenna until interference stops.
- Move Neposmart to another location.
- Move Neposmart away from the affected equipment.
- Plug Neposmart into a power outlet on a different circuit (An outlet controlled by a different circuit breaker).

If needed, contact Neposmart for assistance.

Changes to Neposmart may void FCC compliance and negate your authority to use Neposmart. This device has shown compliance when used with compliant peripherals to reduce the possibility of causing interference to other electronic devices.

Technical Specifications

Installation Requirements

Computer System Requirements

- iOS 4.3 or later, Android Jellybean or later, Windows XP or later
- 32 or 64-bit Intel or AMD processor (x86 or x86-64 architecture) or 32 or 64-bit ARM processor
- Wireless or wired networking
- An internet connection to use Neposmart away from home.

Garage Requirements

- Safety eye or equivalent safety system
- Properly balanced garage door
- Compatible garage door opening unit.

Neposmart Technical Specifications

Neposmart Hardware Specifications

- 540 Mhz ARM SoC with 128 MB RAM
- Hardware H.264 and MJPEG video encoder
- Hardware G.711 and G.726 audio encoder
- 10/100BASE-TX Ethernet (RJ-45 connector)
- 802.11 b/g/n (2.4 GHz only) wireless networking with detachable antenna
- Audio in via 3.5 mm TRS connector
- Audio out via 3.5 mm TRS connector
- Internal microphone
- Internal speaker with 3 watt amplifier
- SDHC slot supporting cards up to 32 GB
- Internal HD camera with night vision
- Two position-aware stepping motors for camera panning and tilting

Neposmart Camera Specifications

- ¼" 1.0 megapixel CMOS sensor
- 1280 x 800 full sensor resolution and 1280 x 720 usable resolution
- 12mm f/2.0 lens focusing manually from 5 mm to infinity. M12 x P0.5 mount.
- Maximum video resolution of 720p at 30fps. 640 x 360 at 30 fps or 320 x 180 at 30 fps also supported
- Automatic night mode with infrared LEDs (850nm) 10 meter maximum range
- Automatic infrared cut filter for clear pictures in bright daylight and complete darkness

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- Motorized pan and tilt with a range of 350° side to side and 90° up and down

Neposmart Software Specifications

- Three video streams
- RTSP server for network video streaming
- SMTP support for sending alerts
- FTP client
- NTP support
- UPnP support for automatic port forwarding
- Wifi Protected Setup support for Wifi configuration
- DDNS support
- Motion detection

Operating Conditions and Physical Specifications

- **Dimensions** – 4.8"H x 4.3"W x 4.4"D (123 mm H x 110 mm W x 111 mm D)
- **Weight** – 0.78 lbs (356 g)
- **Input Powe**r – 100 to 240V, 50 to 60Hz, 0.3A
- **Output Power** – 5V DC 1500mA
- **Temperature** – 14° to 122°F (-10° to +50°C)
- **Humidity** – 10% to 80% relative humidity (non-condensing)

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