

I N S T E O N ®



Insteon HD Wi-Fi Cameras
Owner's Manual

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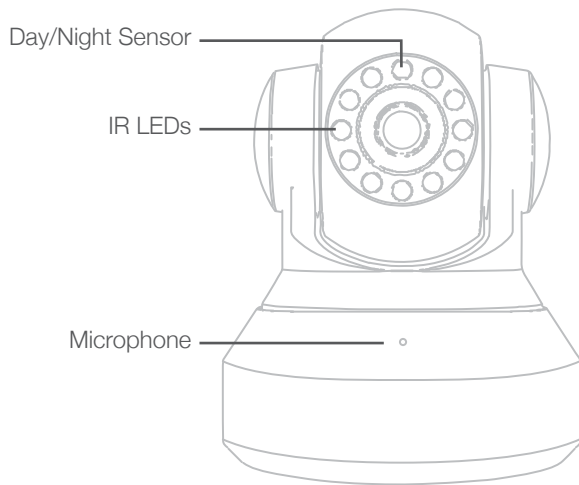
Getting Started

Everything you need to quickly get up and running.

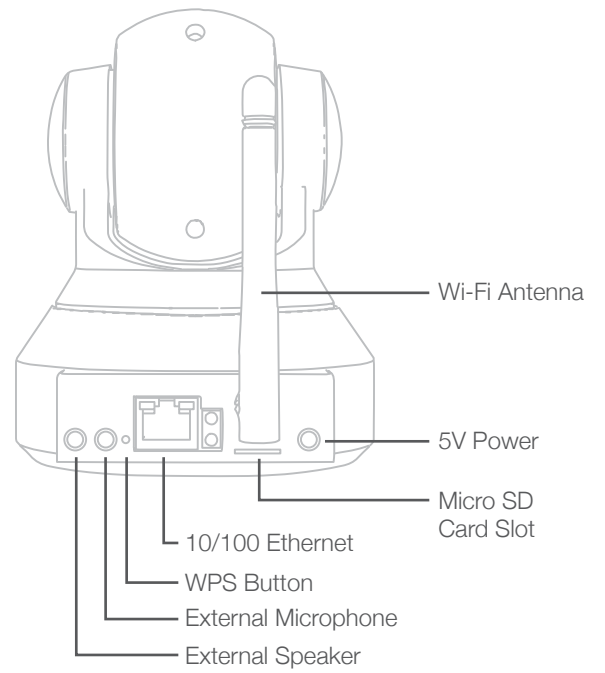
HD Wi-Fi Camera

Overview

Front



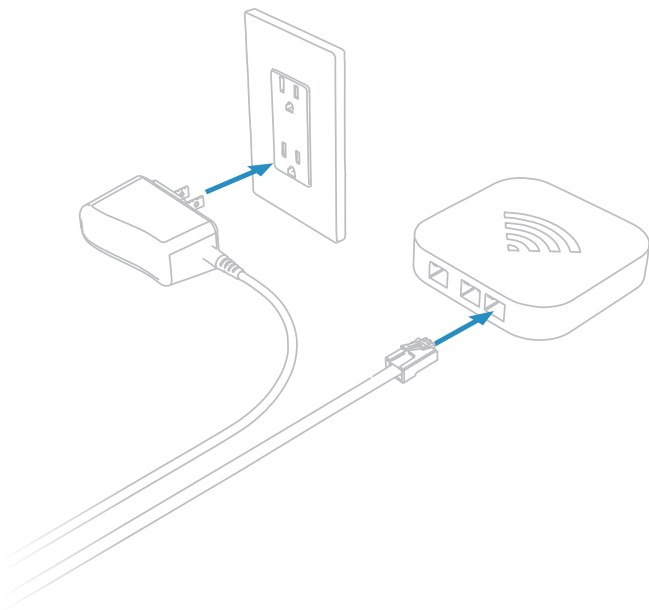
Back



HD Wi-Fi Camera Installation

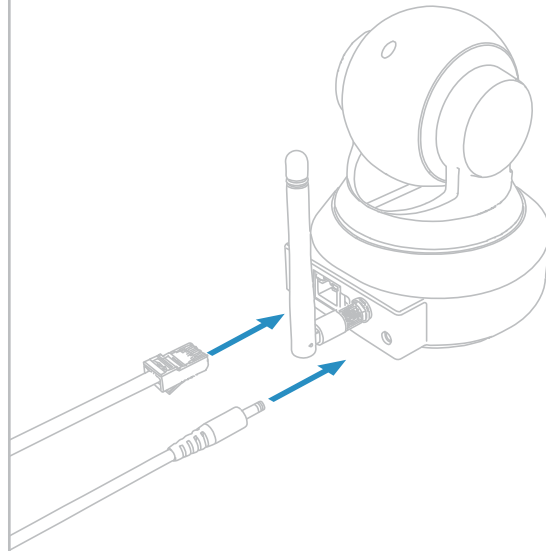
Outlet Connections

Connect the power adapter to an outlet and connect the ethernet cable to your router.



Camera Connections

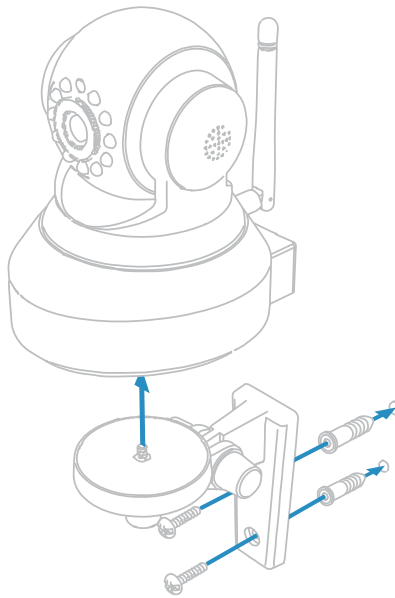
Connect the antenna, ethernet cable and DC power connector to your camera.



HD Wi-Fi Camera Mounting

Mounting Bracket

Mount the optional bracket using screws and wall anchors. You can position the camera right-side up or upside down.

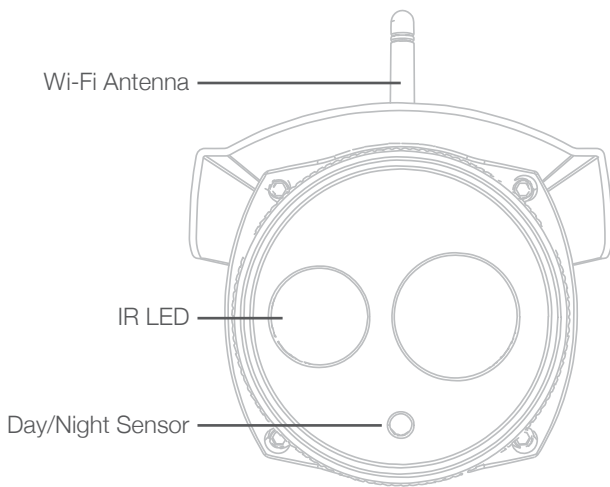


? Different wall materials require different screws and anchors. Use the appropriate type for your mounting surface. Drywall screws and anchors have been provided. Use caution when drilling holes in walls that may contain live electrical wires.

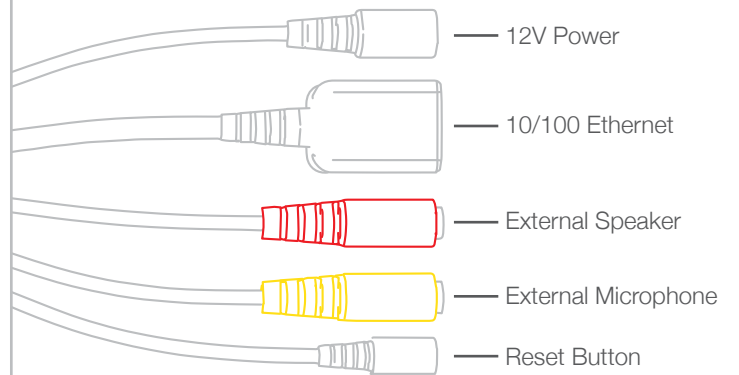
HD Outdoor Wi-Fi Camera

Overview

Camera



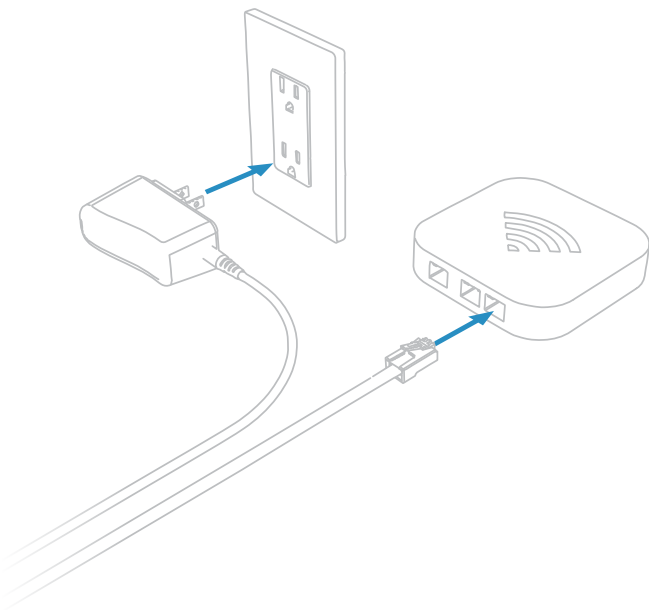
Cable Bundle



HD Outdoor Wi-Fi Camera Installation

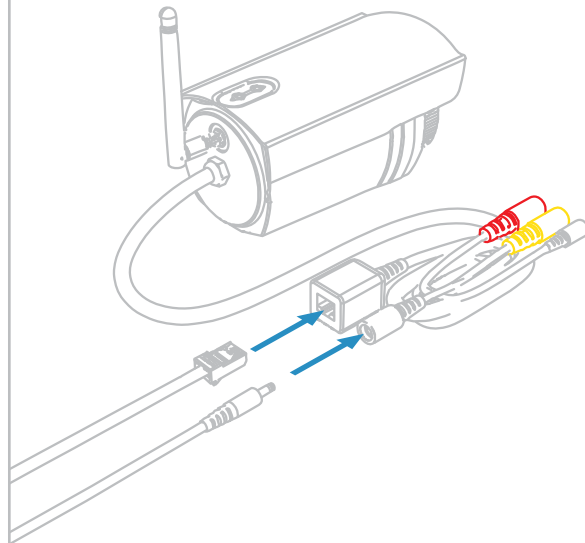
Outlet Connections

Connect the power adapter to an outlet and connect the ethernet cable to your router.



Camera Connections

Connect the antenna, ethernet cable and DC power connector to your camera.

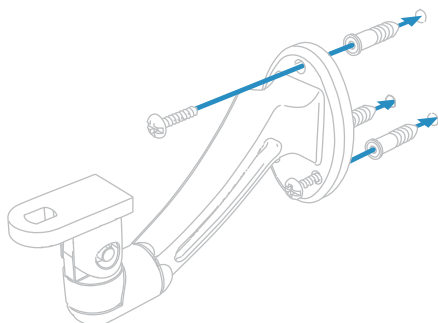


HD Outdoor Wi-Fi Camera

Mounting

Mounting Bracket

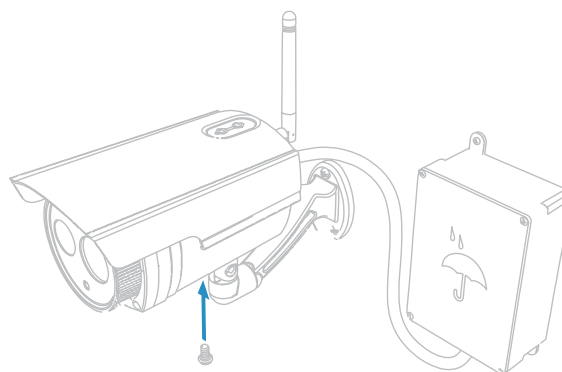
Mount the bracket using screws and wall anchors. Set the camera's position by adjusting the various set screws with the included hex key.



Different wall materials require different screws and anchors. Use the appropriate type for your mounting surface. Drywall screws and anchors have been provided. Use caution when drilling holes in walls that may contain live electrical wires.

Outdoor Cameras

Affix the camera with the final set screw. Encase the camera cables in a weather-proof electrical box.

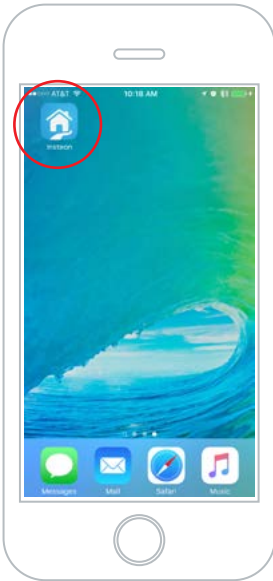


Insteon app for iPhone, iPad and iPod touch

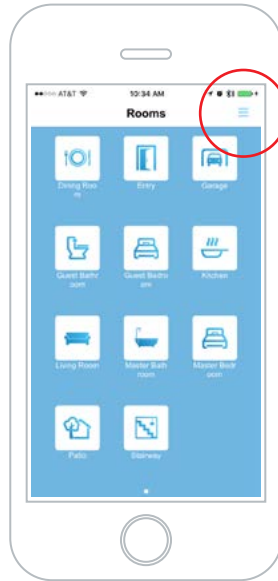
Use the Insteon app to configure and control your Insteon Wi-Fi Cameras. Insteon HD Wi-Fi Cameras require Insteon Hub (2242-222) or (2245-222)

Configure a Camera for Wired Ethernet

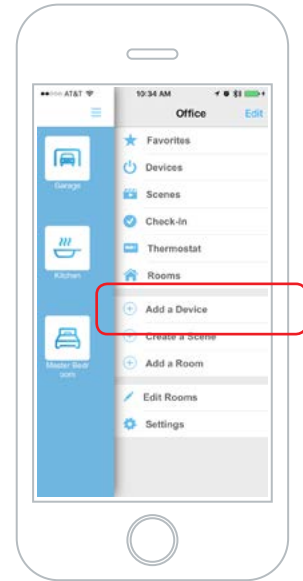
iPhone, iPad and iPod touch



Launch the Insteon App



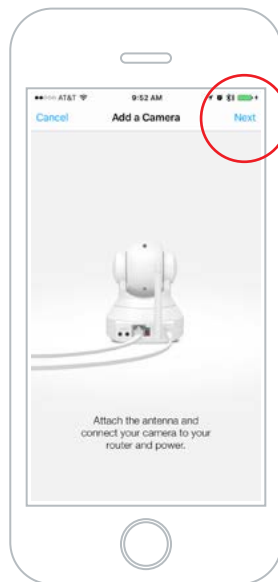
Tap the drawer icon or swipe from the right edge of the display to open the drawer



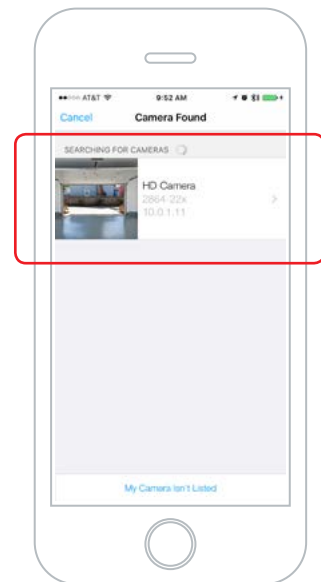
Tap Add a Device



Tap Camera



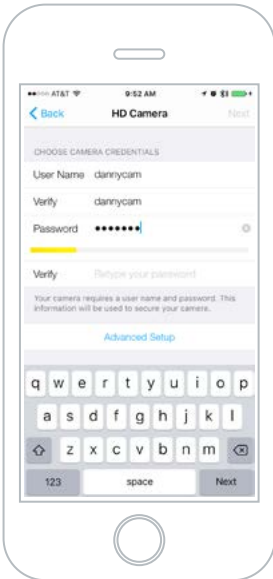
If you have not already done so, connect your camera to power and your router using the supplied ethernet cable. It can take up to two minutes for your camera to complete its startup process. When ready, tap Next.



Select the camera that you would like to configure

Configure a Camera for Wired Ethernet

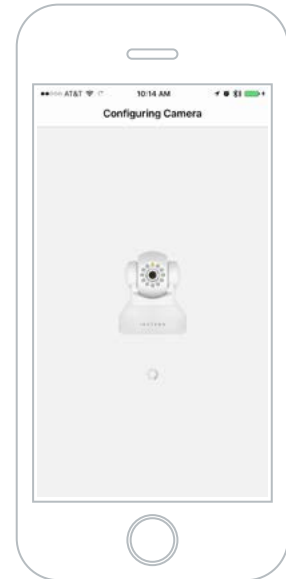
iPhone, iPad and iPod touch



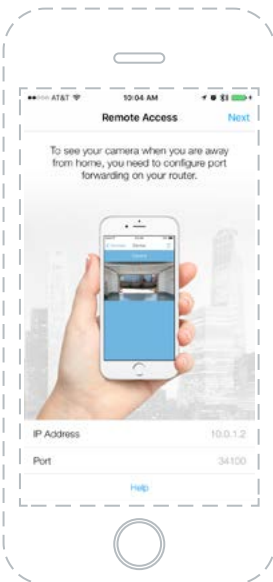
Give your camera a user name and password. When ready, tap Next.



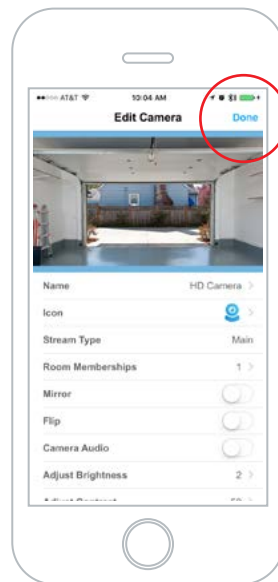
Select Use Wired Ethernet and then tap Next



Wait while your camera's settings are updated



If you are presented with information about Remote Access, follow these steps for [Troubleshooting Remote Access](#).



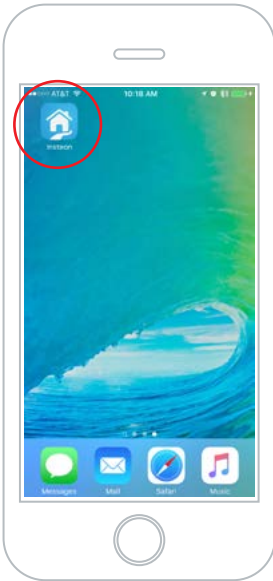
Name your camera, select an icon and add it to a room. When finished, tap Done.



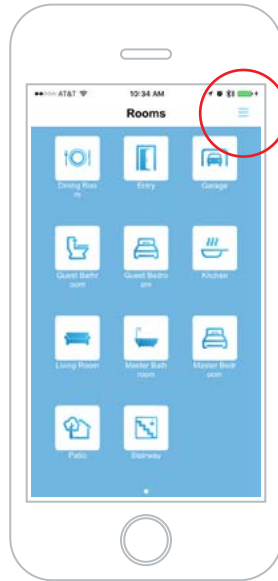
You're done setting up your Insteon Wi-Fi Camera.

Configure a Camera for Wi-Fi

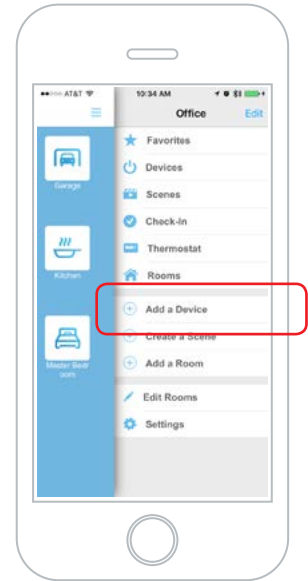
iPhone, iPad and iPod touch



Launch the Insteon App



Tap the drawer icon or swipe from the right edge of the display to open the drawer



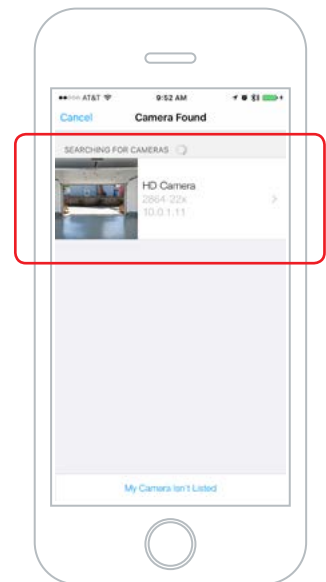
Tap Add a Device



Tap Camera



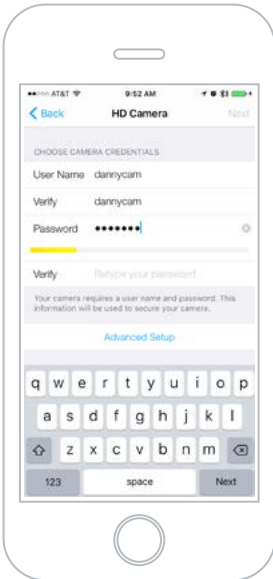
If you have not already done so, connect your camera to power and your router using the supplied ethernet cable. It can take up to two minutes for your camera to complete its startup process. When ready, tap Next.



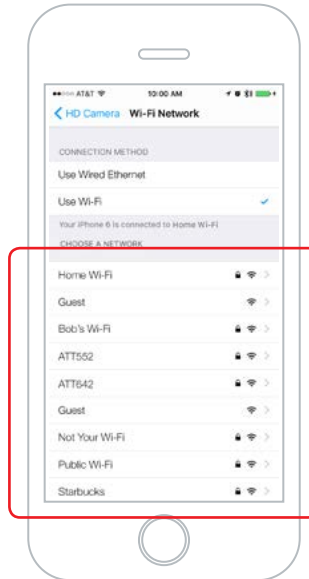
Select the camera that you would like to configure

Configure a Camera for Wi-Fi

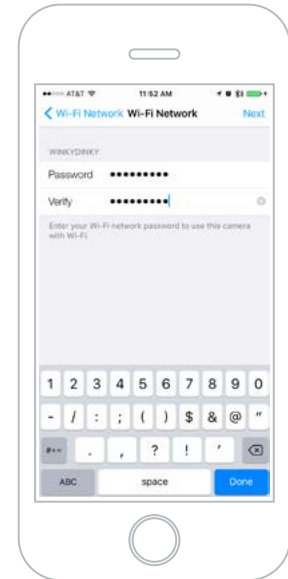
iPhone, iPad and iPod touch



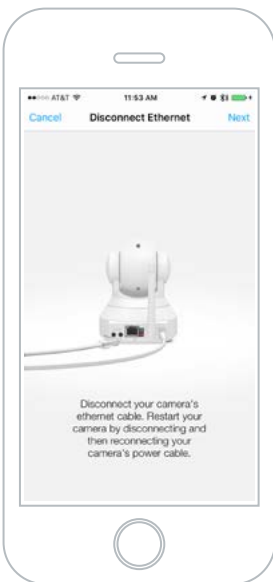
Give your camera a user name and password. When ready, tap Next.



Tap Use Wi-Fi and select your network from the list. If you don't see your network, ensure that you've connected the antenna to your camera.



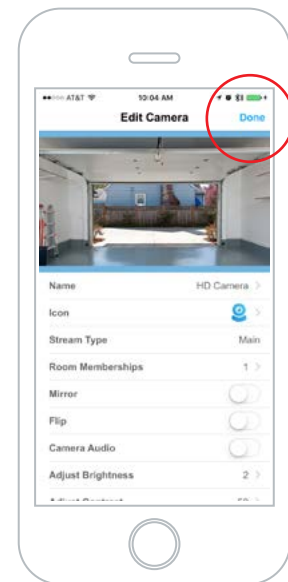
Enter your Wi-Fi network's password and tap Next



Disconnect the ethernet cable from your camera and restart the camera by disconnecting and then reconnecting your camera's power cable. If you do not disconnect the ethernet cable, your camera will not switch to Wi-Fi.



If you are presented with information about Remote Access, follow these steps for [Troubleshooting Remote Access](#).



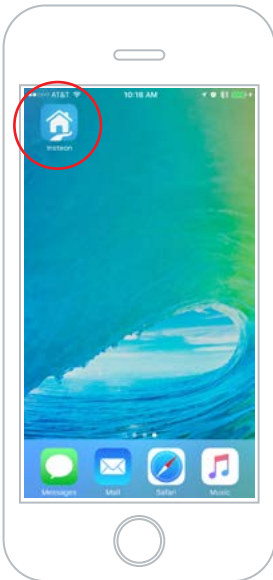
Name your camera, select an icon and add it to a room. When finished, tap Done.

✓ You're done setting up your Insteon Wi-Fi Camera.

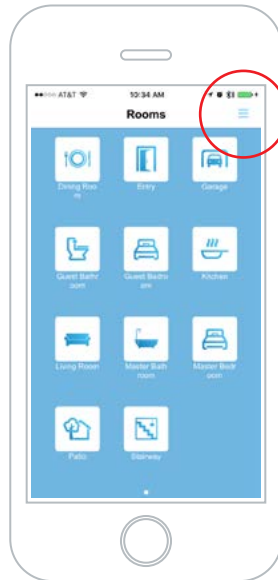
Add an Already Configured Camera

iPhone, iPad and iPod touch

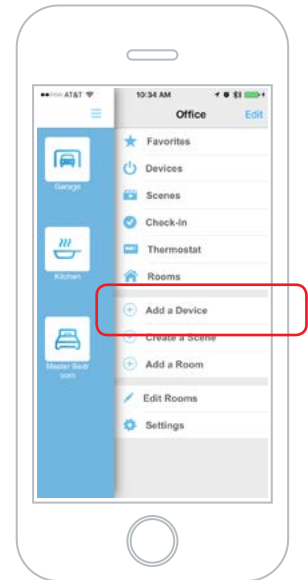
Add an already configured camera if you have already setup an Insteon Wi-Fi Camera using its web browser interface or would like to re-add a camera that was configured using the Insteon app.



Launch the Insteon App



Tap the drawer icon or swipe from the right edge of the display to open the drawer



Tap Add a Device

Add an Already Configured Camera

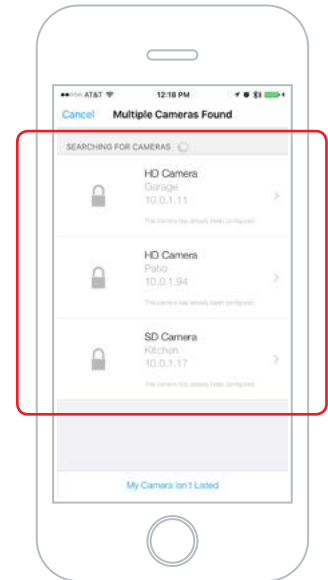
iPhone, iPad and iPod touch



Tap Camera



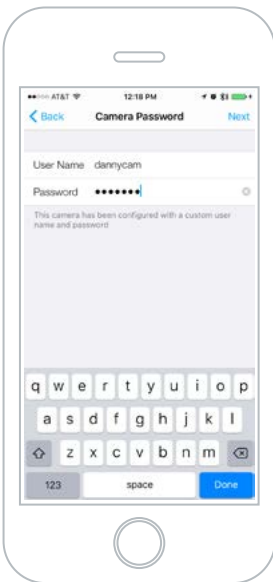
Tap Next.



Select that camera that you would like to add from the list of cameras

Add an Already Configured Camera

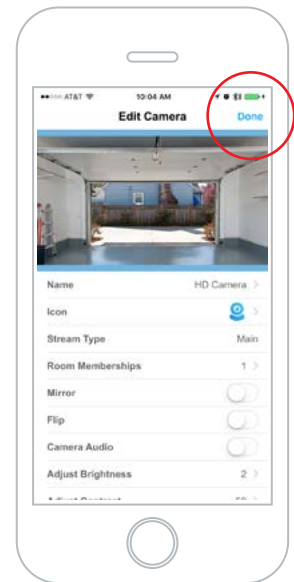
iPhone, iPad and iPod touch



Enter your camera's user name and password. When ready, tap Next.



Adding an already configured camera does not enable Automatic Remote Access.



Name your camera, select an icon and add it to a room. When finished, tap Done.

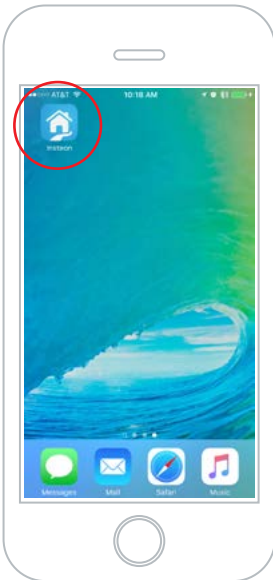
? If your camera supports Automatic Remote Access, you can enable it from camera settings. If your camera requires manual remote access, follow these steps to [Configure Manual Remote Access](#).

✓ You're done setting up your Insteon Wi-Fi Camera.

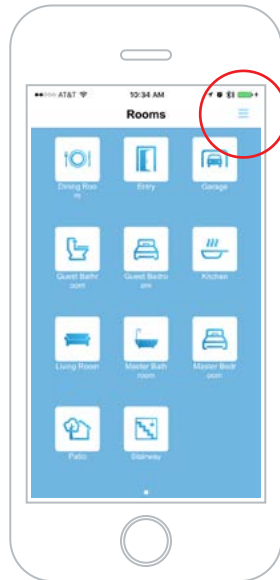
Add a Remote Camera

iPhone, iPad and iPod touch

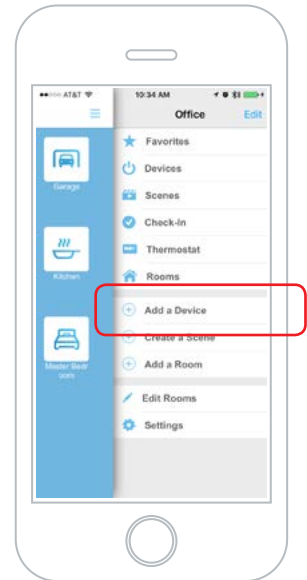
Add a remote camera if your camera has been previously setup and is not located on your local network.



Launch the Insteon App



Tap the drawer icon or swipe from the right edge of the display to open the drawer



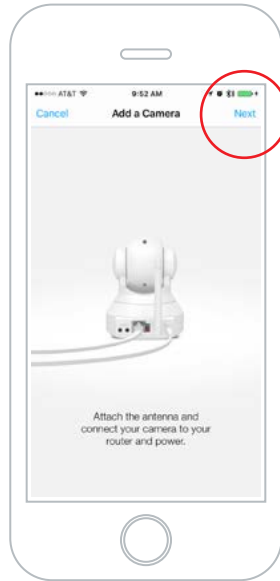
Tap Add a Device

Add a Remote Camera

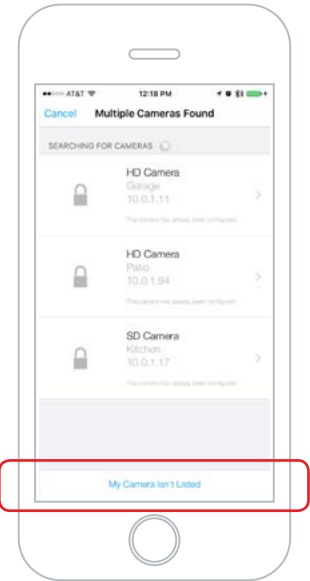
iPhone, iPad and iPod touch



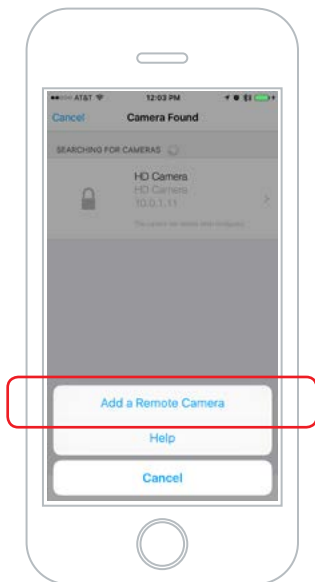
Tap Camera



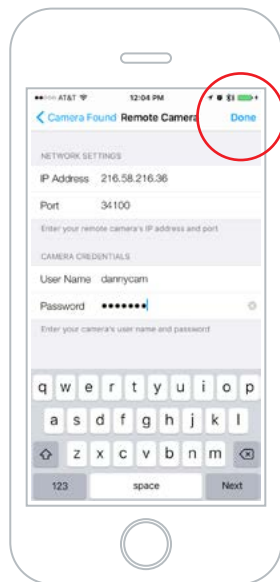
Tap Next.



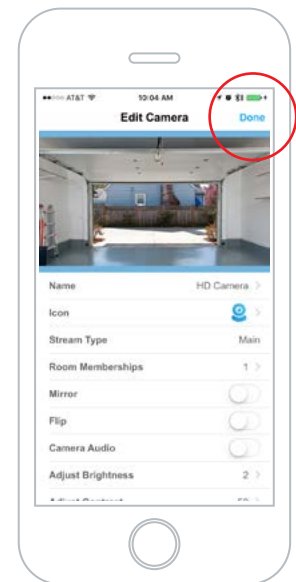
Tap My Camera Isn't Listed



Tap Add a Remote Camera



Enter your camera's IP address or URL, port, user name and password. When ready, tap Done.



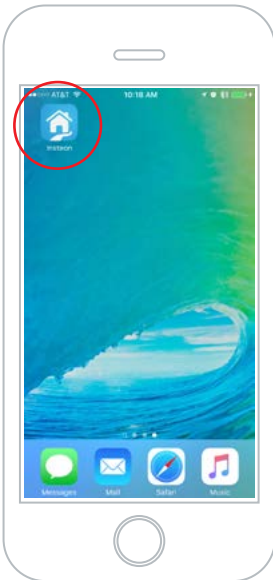
Name your camera, select an icon and add it to a room. When finished, tap Done.

✓ You're done setting up your Insteon Wi-Fi Camera.

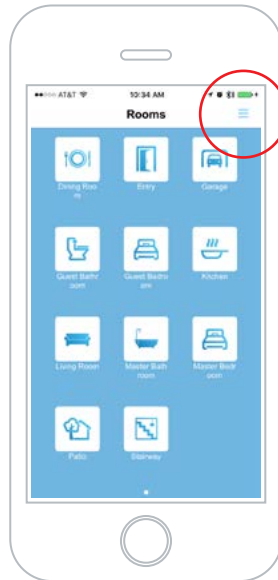
Advanced Camera Configuration

iPhone, iPad and iPod touch

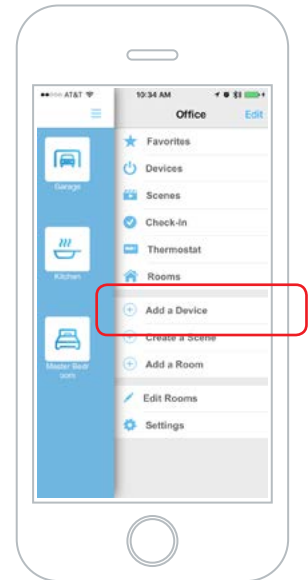
Use advanced camera configuration if you would like to enter all of your camera's network information at once or if you would like to control options like DHCP, IP address and port.



Launch the Insteon App



Tap the drawer icon or swipe from the right edge of the display to open the drawer



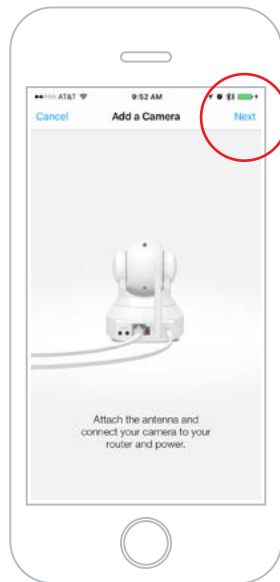
Tap Add a Device

Advanced Camera Configuration

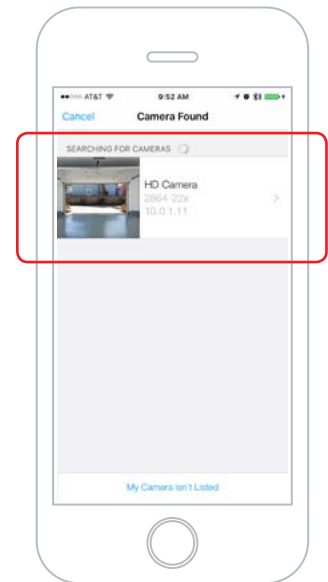
iPhone, iPad and iPod touch



Tap Camera



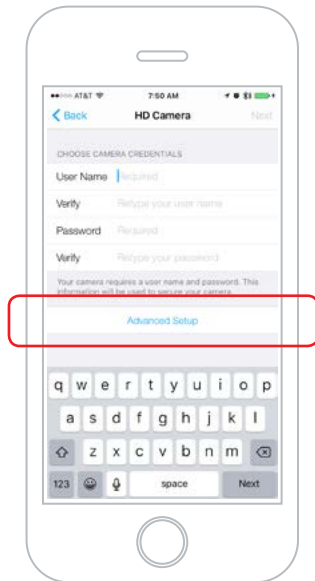
If you have not already done so, connect your camera to power and your router using the supplied ethernet cable. It can take up to two minutes for your camera to complete its startup process. When ready, tap Next.



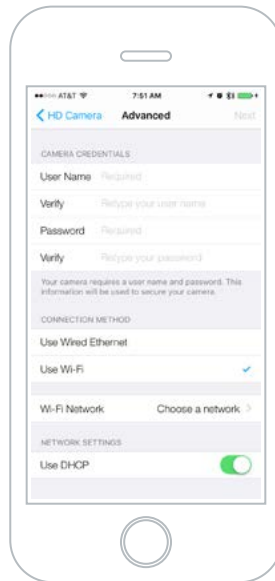
Select that camera that you would like to configure from the list of cameras

Advanced Camera Configuration

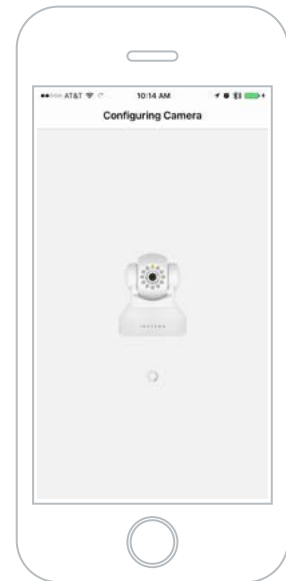
iPhone, iPad and iPod touch



Tap Advanced Setup



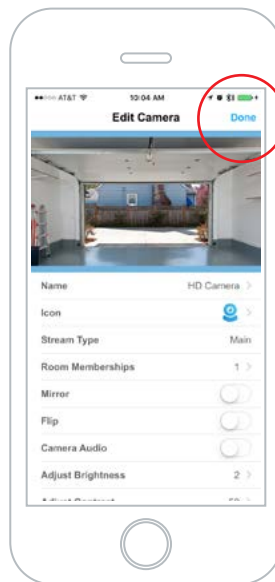
Configure your camera as desired and tap Next



Wait while your camera's settings are updated



Advanced camera configuration does not enable Automatic Remote Access.



Name your camera, select an icon and add it to a room. When finished, tap Done.

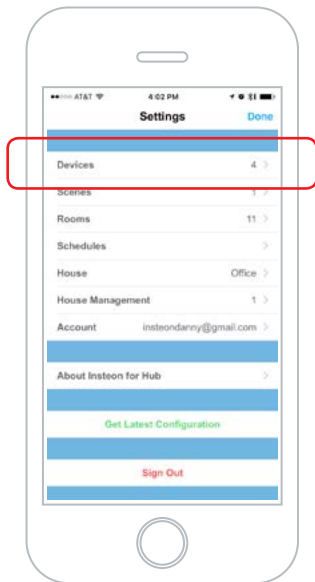


You're done setting up your Insteon Wi-Fi Camera.

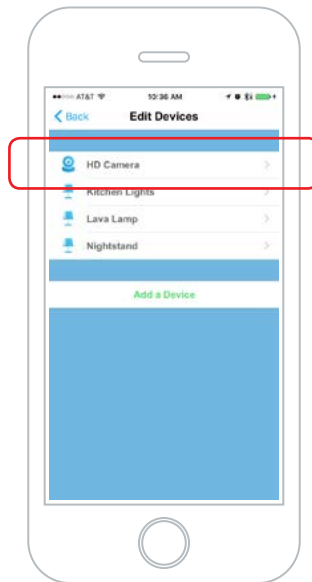
Automatic Remote Access

iPhone, iPad and iPod touch

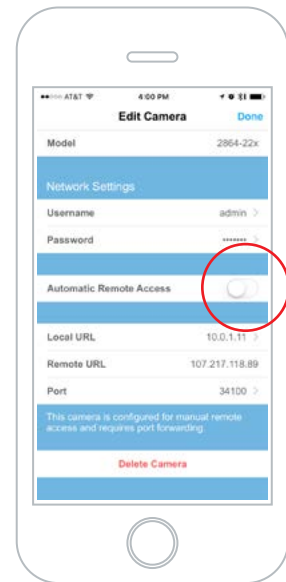
Insteon HD Cameras support Automatic Remote Access so you can view and control your camera when you're away from home without any additional configuration. Automatic Remote Access is only configured when adding an unconfigured camera. It can be manually enabled for existing cameras.



Navigate to Settings and tap Devices



Select your HD Camera from the list of devices



Turn on Automatic Remote Access

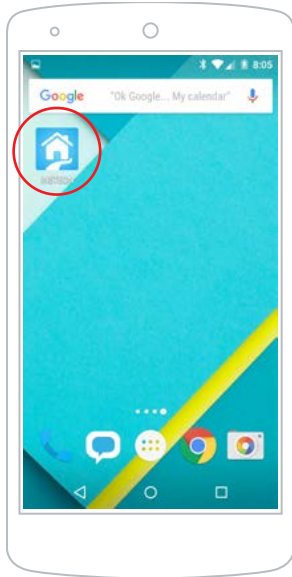
To troubleshoot Automatic Remote Access, [see this article](#).

Insteon app for Android

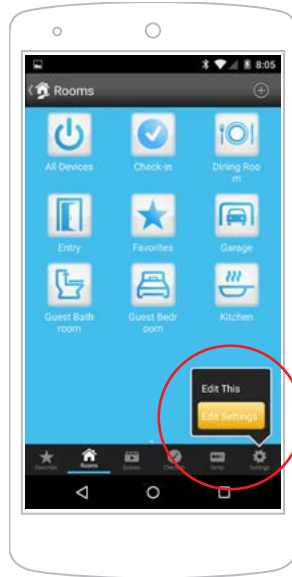
Use the Insteon app to configure and control your Insteon Wi-Fi Cameras. Insteon HD Wi-Fi Cameras require Insteon Hub.

Configure a Camera for Wired Ethernet

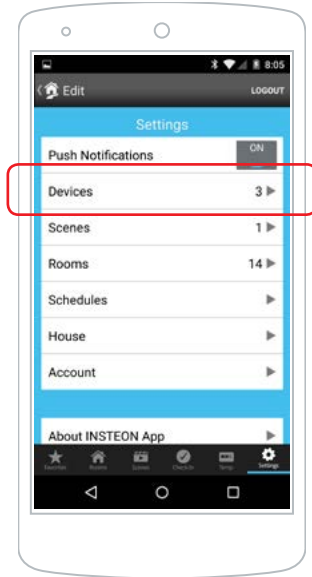
Android



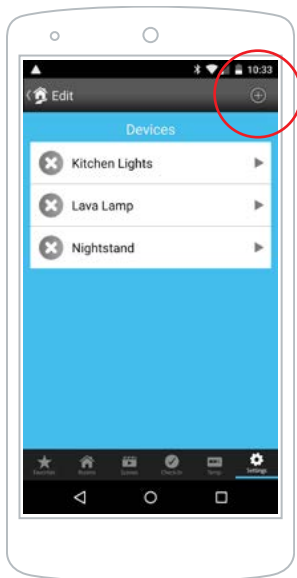
Launch the Insteon App



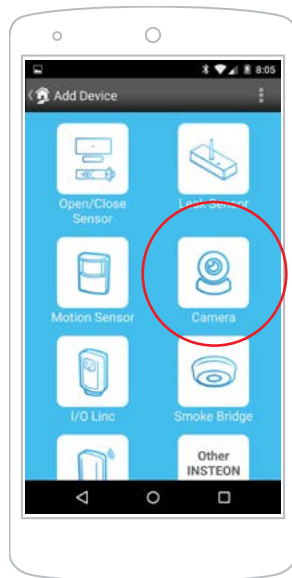
Navigate to Settings by tapping Edit Settings from the Settings button



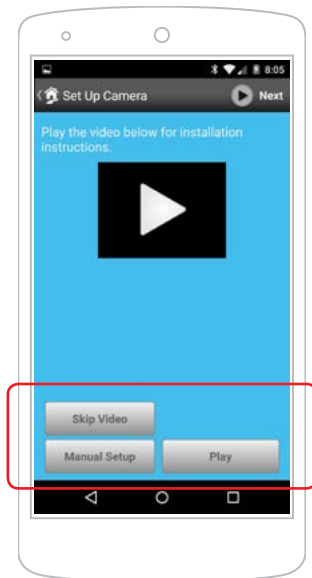
Tap Devices



Tap the Add button



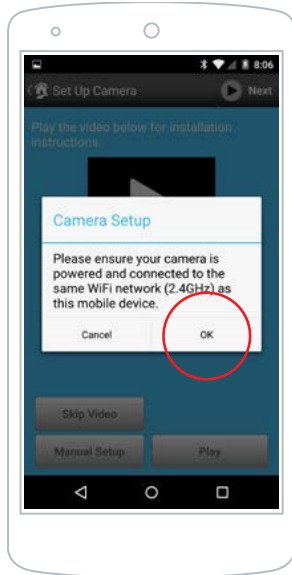
Tap Camera



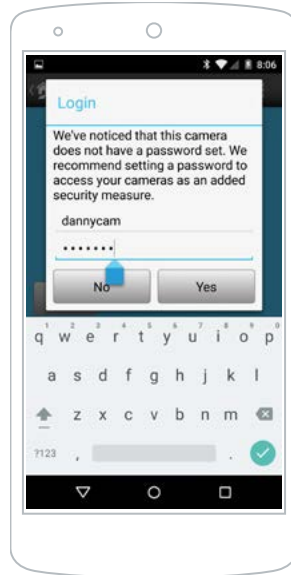
Tap Play to watch the setup video or tap Skip Video to continue with setup.

Configure a Camera for Wired Ethernet

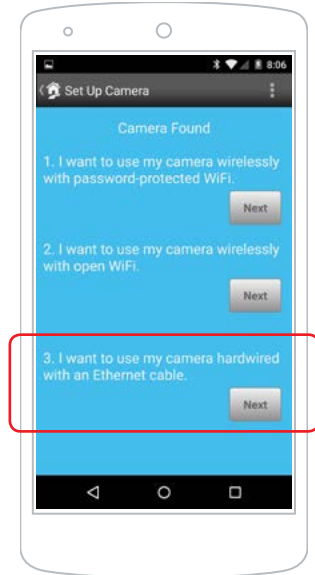
Android



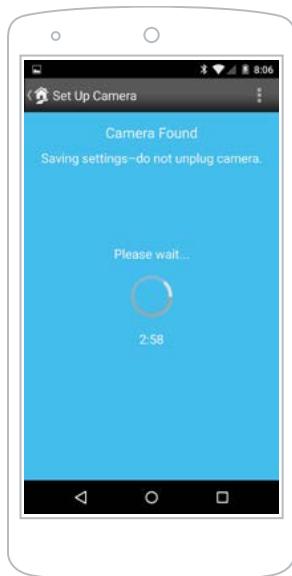
If you have not already done so, connect your camera to power and your router using the supplied ethernet cable. It can take up to two minutes for your camera to complete its startup process. When ready, tap OK.



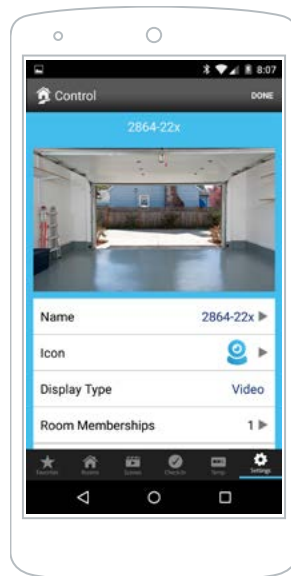
Give your camera a user name and password. When ready, tap Yes.



Tap Use hardwired with an Ethernet cable



Wait while your camera's settings are updated



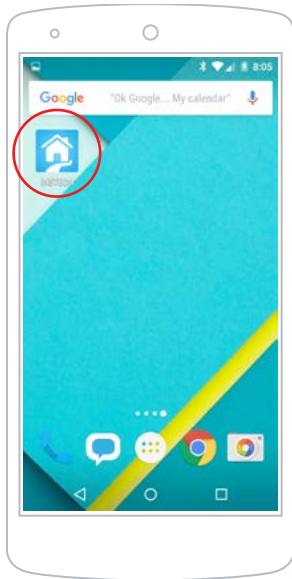
Name your camera, select an icon and add it to a room. When finished, tap Done.



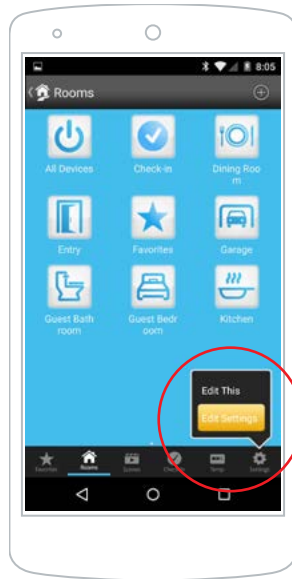
You're done setting up your Insteon Wi-Fi Camera.

Configure a Camera for Wi-Fi

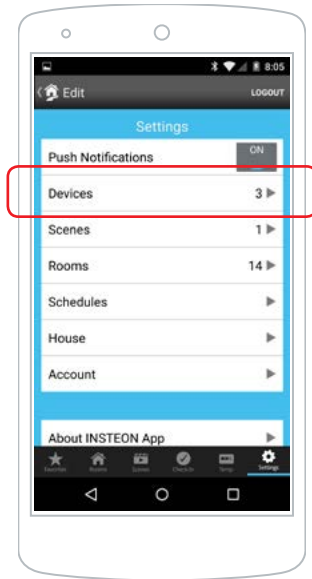
Android



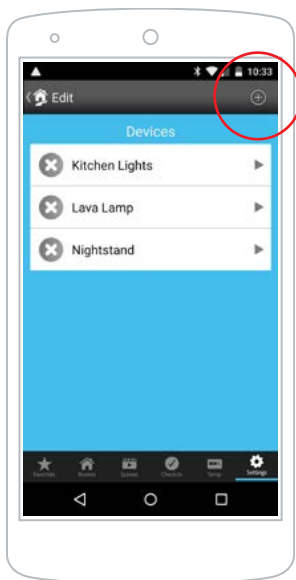
Launch the Insteon App



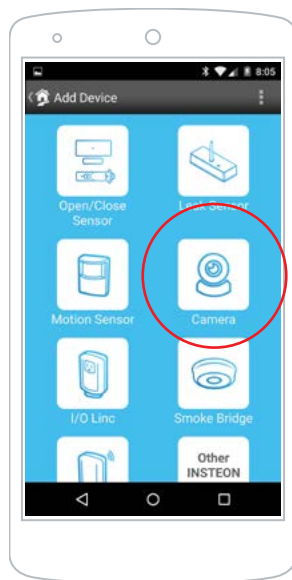
Navigate to Settings by tapping Edit Settings from the Settings button



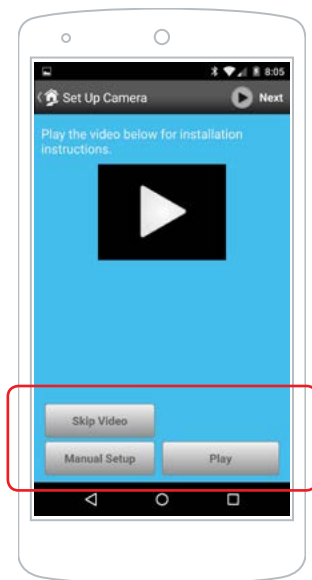
Tap Devices



Tap the Add button



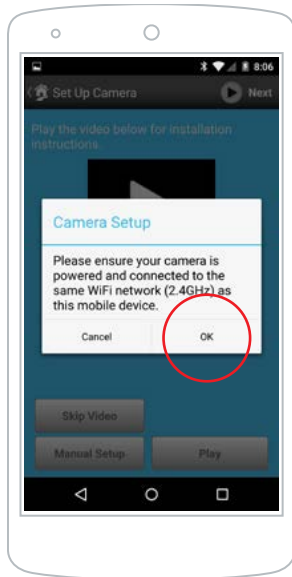
Tap Camera



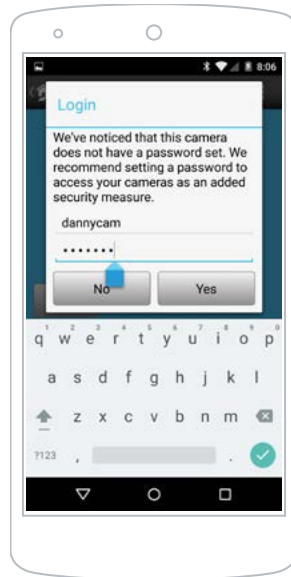
Tap Play to watch the setup video or tap Skip Video to continue with setup.

Configure a Camera for Wi-Fi

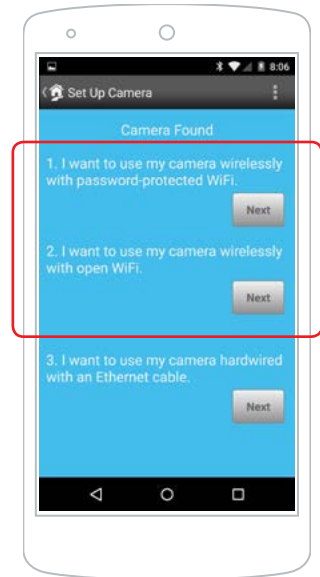
Android



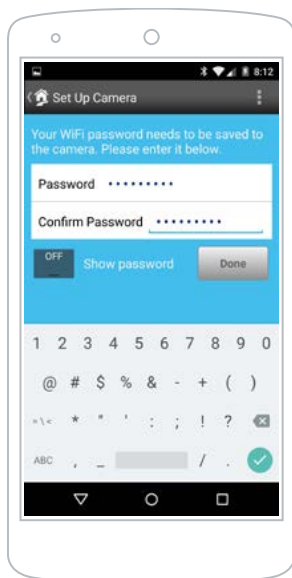
If you have not already done so, connect your camera to power and your router using the supplied ethernet cable. It can take up to two minutes for your camera to complete its startup process. When ready, tap OK.



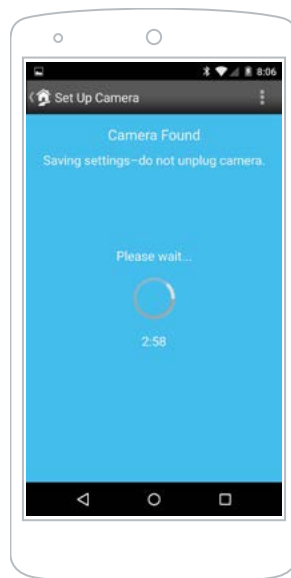
Give your camera a user name and password. When ready, tap Yes.



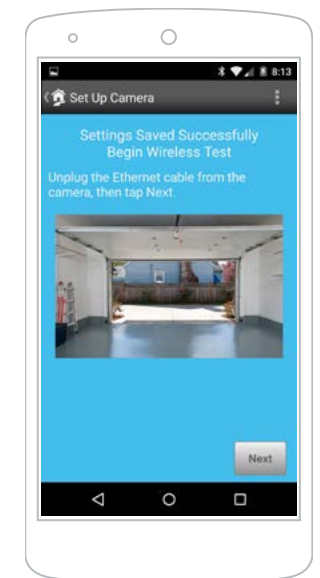
Chose the Wi-Fi option that applies for your network: password-protected or open.



Enter your Wi-Fi network's password and tap Done



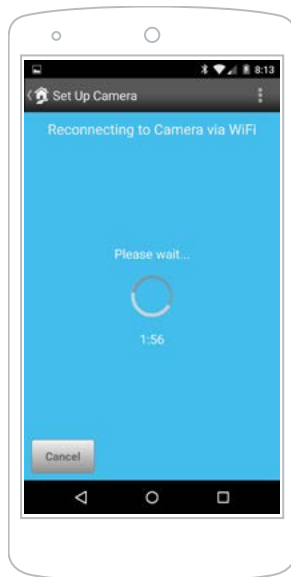
Wait while your camera's settings are updated



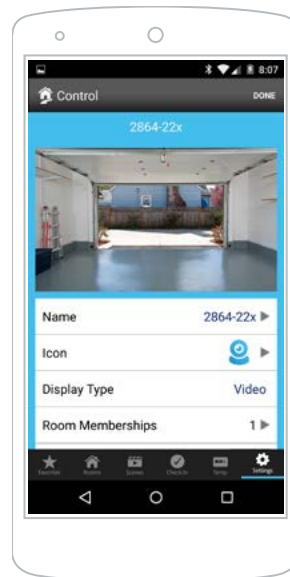
When prompted, disconnect the ethernet cable from your camera and tap Next

Configure a Camera for Wi-Fi

Android



Wait while your camera reconnects via Wi-Fi



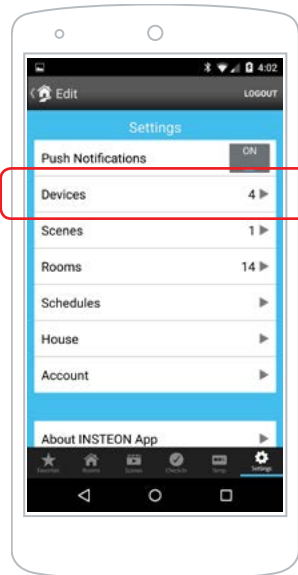
Name your camera, select an icon and add it to a room. When finished, tap Done.

✓ You're done setting up your Insteon Wi-Fi Camera.

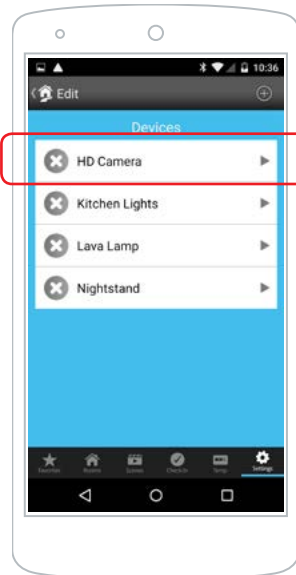
Automatic Remote Access

Android

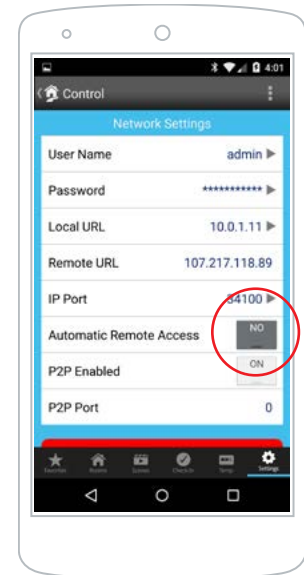
Insteon HD Cameras support Automatic Remote Access so you can view and control your camera when you're away from home without any additional configuration. Automatic Remote Access is only configured when adding a new camera. It can be manually enabled for existing cameras.



Navigate to Settings and tap Devices



Select your HD Camera from the list of devices



Turn on Automatic Remote Access

To troubleshoot Automatic Remote Access, [see this article](#).

Web Browser Interface

Use the web browser interface to configure advanced settings on your camera.

Web Interface

Many camera settings can only be modified using the camera's web browser interface. Information on configuring supported settings can be found on insteon.com/support.



Camera Tool

Use Camera Tool to find your Insteon Wi-Fi Camera on your network to administer changes or update firmware using the camera's web browser interface.



[Camera Tool for OS X](#)

Requires Mac OS X 10.7 or higher



[Camera Tool for Windows](#)

Requires Windows 7 or higher



Firmware Update

For detailed firmware update instructions,
visit [insteon.com/camera-setup](https://www.insteon.com/camera-setup)

Factory Reset

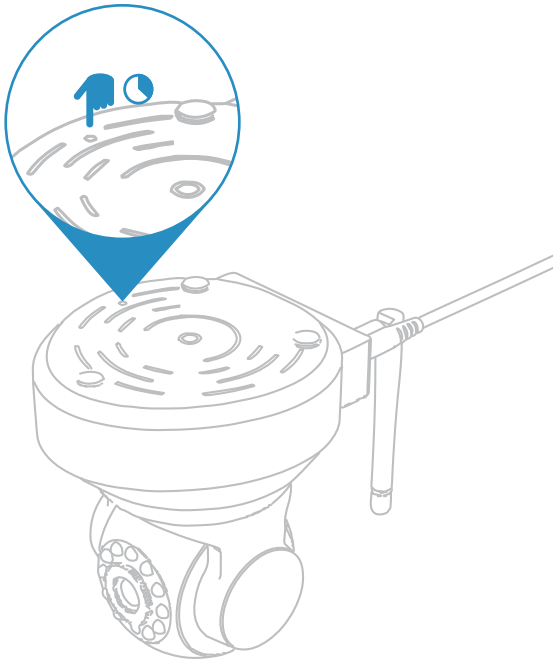
Restore all settings by performing a factory reset. Configured users, passwords, network settings and more are all erased and restored to factory defaults.

Factory Reset

Ensure your camera is connected to power and then press and hold the reset button for ten seconds.

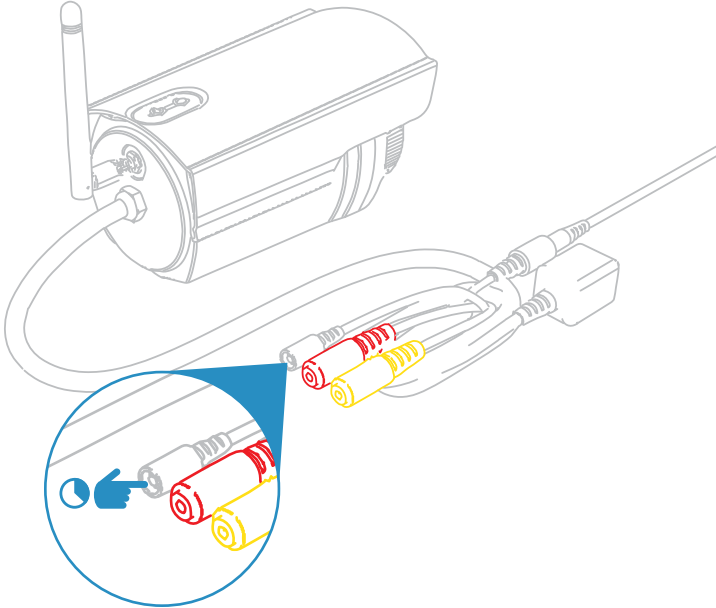
Indoor Camera

Use a straightened paper clip to depress the recessed reset button located on the bottom of the camera for ten seconds.



Outdoor Camera

Use a fingertip to depress the reset button located in the cable bundle for ten seconds.



Appendix

Everything else you might need to know about your Insteon product.

Specifications

General

Available Colors	White (Indoor) White (Outdoor) Black (Indoor)
Brand:	Insteon
FCC ID	ZDEFI9803PV2
Manufacturer Product No.:	2864-222 White (Indoor) 2864-226 Black (Indoor) 2864-232 White (Outdoor)
UPC:	813922014129 White (Indoor) 813922014136 Black (Indoor) 813922014198 White (Outdoor)
Warranty:	90 days, limited

Mechanical

Dimensions	Indoor Cameras 5.1" H x 4.1" W x 5.7" D 130mm H x 104mm W x 145mm D Outdoor Camera 5.7" H x 3.6" W x 5.9" D 92mm H x 92mm W x 152mm D
Enclosure Material	Indoor Cameras UV stabilized plastic Outdoor Camera Aluminum
Mounting	Indoor Cameras Tabletop or Wall Mount Outdoor Camera Wall Mount
Operating Environment	Indoor Cameras Indoors Outdoor Camera Indoors or Outdoors
Operating Humidity Range	10-80% relative humidity, non-condensing
Operating Temperature Range	Indoor Cameras 14° to 122° F 10° to 50° C Outdoor Camera -4° to 140° F -20° to 60° C

Factory Reset Button	Yes
Storage Temperature Range	Indoor Cameras -4° to 140° F -20° to 60° C Outdoor Camera -4° to 140° F -20° to 60° C
Weight	Indoor Cameras 10.9 oz 310 g Outdoor Camera 13.4 oz 380 g

Electrical

Power Consumption	Indoor Cameras 10 Watts Max Outdoor Camera 12 Watts Max
Supply Voltage	100-240 Volts AC, 50/60 Hertz, single phase
DC Power Supply	Indoor Cameras 5V, 2A 3.5mm Barrel Connector Outdoor Camera 12V, 1A 5.5mm Barrel Connector
Power Connector	IEC C8
Certification	CE FCC RoHS

System Requirements

Operating System	Microsoft Windows 7 or later Mac OS X 10.7 or later Apple iOS 7 or later Android 2.2 or later
Browser Compatibility	A list of supported browsers can be found on insteon.com/support

Network

Ethernet Support	One 10/100 RJ45 port
Wi-Fi Support	IEEE 802.11 b/g/n 802.11b at 11Mbps max 802.11g at 54 Mbps max 802.11n at 150 Mbps max
Wi-Fi Security Support	WEP WPA WPA2
Network Protocols	IP, TCP, UDP, HTTP, HTTPS, SMTP, FTP, DHCP, DDNS, UPnP, RTSP

Video

Image Sensor	HD Color CMOS Sensor
Image Sensor Resolution	1280 x 720
Minimum Illumination	0 Lux (using IR illumination)
Lens Type	Glass Lens
Focal Length	f:2.8mm
Aperture	Indoor Cameras F2.4 Outdoor Camera F1.2
Field of View	70°
Image Compression	H.264
Frame Rate	720P 23 FPS Maximum VGA 25 FPS Maximum
Supported Resolutions	720P 1280 x 720 VGA 640 x 480 nHD 640 x 360 QGVA 320 x 240
Image Adjustment	Flip Mirror
Pan and Tilt	Indoor Cameras 300° Horizontal Pan 120° Vertical Tilt Outdoor Camera Fixed Mount



Troubleshooting

For detailed troubleshooting information,
visit [insteon.com/camera-setup](https://www.insteon.com/camera-setup)

Certifications and Warnings

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the installation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FCC Caution

Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Declaration of Conformity



In 2002, the European Union introduced the Directive on Waste Electrical and Electronic Equipment (WEEE). The main aim of the Directive is to ensure that WEEE is collected and treated separately. WEEE may contain hazardous substances that should not end-up in the (human) environment because it can have adverse effects on it. Furthermore, WEEE is a vast source of raw materials. With the ever-rising worldwide demand for new equipment and the ever-decreasing volume of raw materials in nature, letting this potential source of such materials go to waste is unacceptable. If equipment is collected separately, the equipment can be recycled and up to 85 to 90% of the equipment can be reused as new material, saving the use of virgin raw materials and energy of producing these. Separate collection and treatment of WEEE will thus decrease CO2 emissions as well. For the above reasons, Insteon expects end-users to dispose of the material in an environmentally friendly way through separate collection and treatment. Electrical and Electronic Equipment is labeled with the following 'crossed out wheeled bin' symbol indicating that the equipment should be disposed of, by the end-user, separate from other types of waste. End-users should contact their dealer/distributor or our company on disposal, collection and recycling options in their country.

Product Warranty

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of 90 days from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this Owner's Manual. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it, or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call 866-243-8022 with the Model # and Revision # of the device to receive an RMA# and send the product, along with all other required materials to:

Insteon
ATTN: Receiving
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and Seller disclaims all other warranties, whether oral or written, express or implied, including any warranty of merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the two-year of the express warranty above. No other representation or claim of any nature by any person shall be binding upon Seller or modify the terms of the above warranty and disclaimer.

Home automation devices have the risk of failure to operate, incorrect operation, or electrical or mechanical tampering. For optimal use, manually verify the device state. Any home automation device should be viewed as a convenience, but not as a sole method for controlling your home.

In no event shall Seller be liable for special, incidental, consequential, or other damages resulting from possession or use of this device, including without limitation damage to property and, to the extent permitted by law, personal injury, even if Seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.