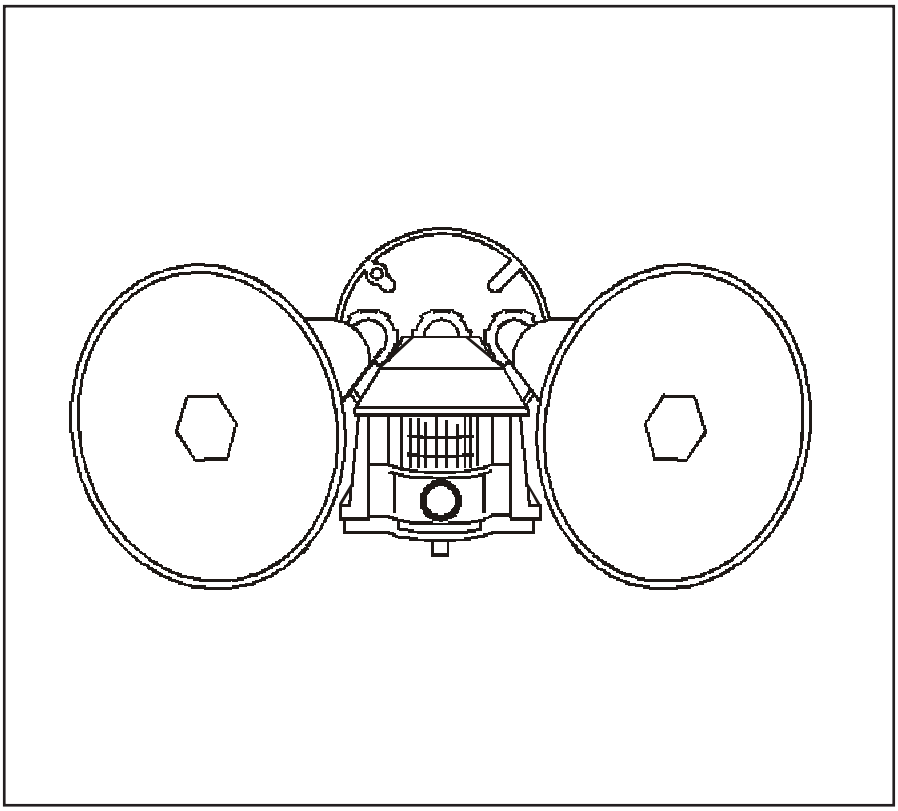
Indoor/Outdoor Color Camera with Built-in 2.4 GHz Wireless Transmitter, Motion Sensor, and dual Floodlights



Model VT38A owner's manual

Introduction

Your Wireless Motion Activated Camera consists of a Color Video Camera with built-in 2.4 GHz transmitter. It is activated by its built-in Motion Sensor so that when someone approaches your home, the camera turns on and also turns on the attached floodlights to light up the area that the camera sees (bulbs not included). The camera transmits its picture and sound via a built-in 2.4 GHz transmitter, to a Video Receiver (sold separately) which you connect to a TV anywhere in your home. The Camera sends the wireless signals (even through walls, up to 100 ft.). The Video Receiver converts the signals back to video and audio signals and feeds them through a cable to your TV's COAX or A/V input jacks.

You can purchase additional Motion Activated Cameras (up to 4) so you can have a multiple camera system. You can then set all cameras to the same channel as the receiver and turn the cameras on and off remotely so as to only ever have one camera turned on at a time, and displayed on your TV.

FCC Caution

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

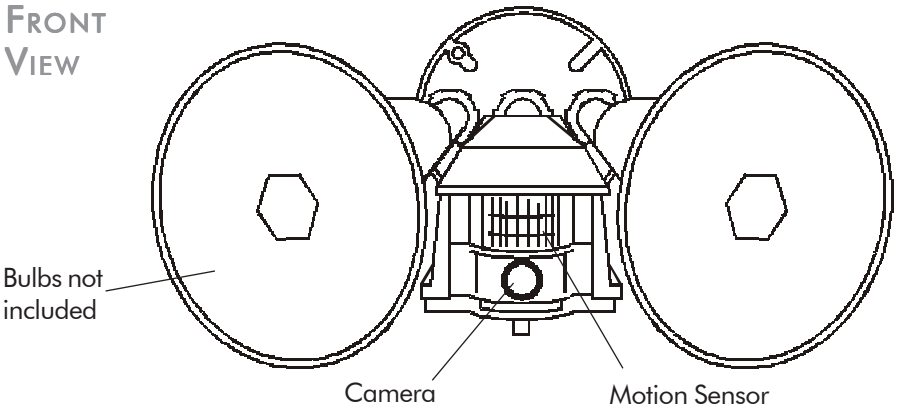
This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub-Parts B and C of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by unplugging the equipment, try to correct the interference by one or more of the following measures.

- Reorient the antenna of the radio/TV experiencing the interference.
- Relocate the equipment with respect to the radio/TV.
- Move the equipment away from the radio/TV.
- Plug the equipment into an outlet on a different electrical circuit from the radio/TV experiencing the interference.
- If necessary, consult your local Dealer for additional suggestions.

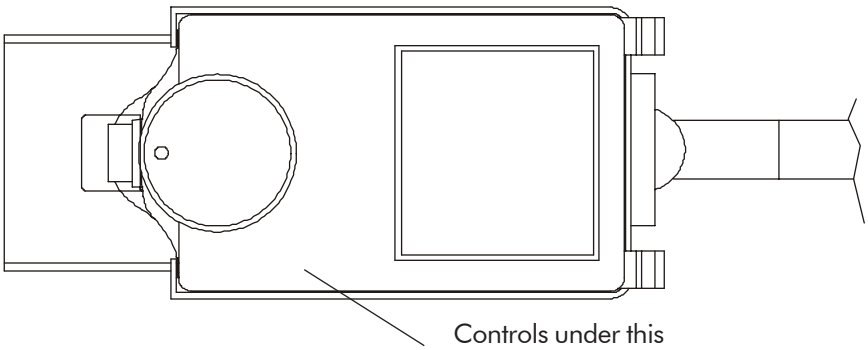
NOTE: Modifications to this product will void the user's authority to operate this

Controls and Connections

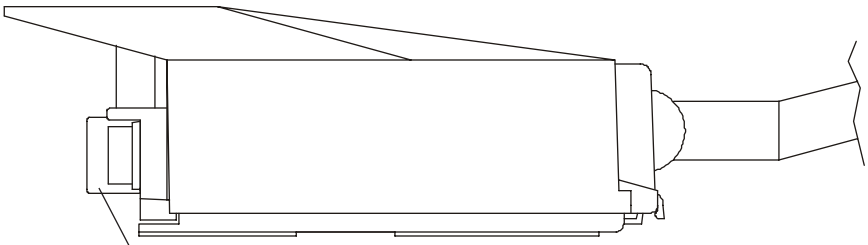
Front View



Bottom View (with lid closed)



Side View

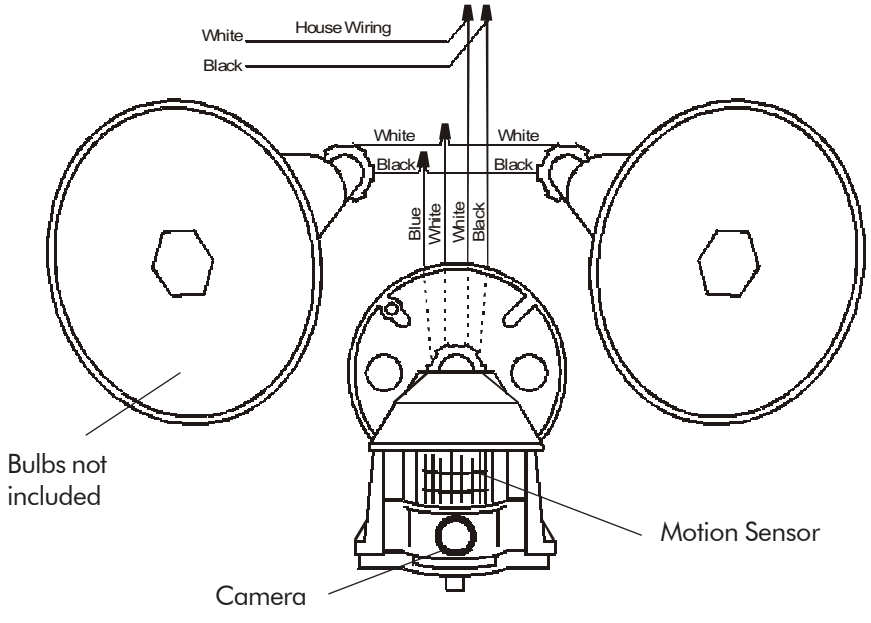


ASSEMBLING THE PARTS

Referring to the diagram below:

1. Screw the base of each lamp holder into the outer holes on the mounting plate.
2. Rotate the locking ring on each lamp holder towards the plate until the lamp holder is secure against the plate.
3. Screw the threaded end of the motion activated camera into the center hole on the mounting plate.
4. Lock the motion activated camera into place using the locking ring.
5. Locate each lamp holder's WHITE wire and one of the WHITE wires from the motion activated camera and twist all three wires together using a wire nut (supplied).
6. Locate each BLACK wire from the lamp holders and connect them both to the BLUE wires from the motion activated camera, again using a wire nut.

Make sure no bare whiskers of wire stick out (cover with electrical tape if necessary).



INSTALLING THE ASSEMBLY

Referring to the diagram below:
You can install the motion activated camera in a wall box that is power at all times or in a wall box that is controlled by a wall switch, but if it is powered from a wall switch, make sure you leave the switch on at all times. Turning the switch off will completely disable the motion activated camera.

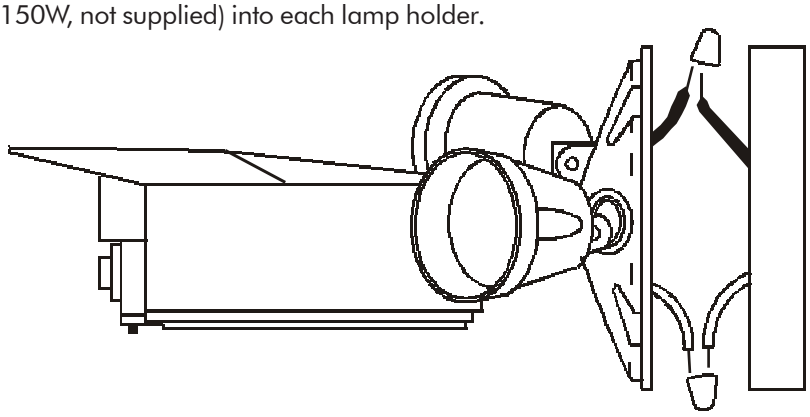
CAUTION: To prevent severe damage to the unit, do not connect it to a wall box that is controlled by any kind of dimmer of remote controlled switch.

WARNING: Before making the following connections, be sure the power to the junction box you are installing the motion activated camera into is turned off. If not, a serious shock hazard will exist.

1. Install the gasket (supplied) onto the junctions box, and route the house wiring through the gasket.
2. Connect the house wiring's bare copper wired to the grounding screw on the mounting plate.
3. Connect WHITE wire from the motion activated camera to the house wiring's WHITE wire, using a wire nut.
4. Connect BLACK wire from the motion activated camera to the house wiring's BLACK wire, using a wire nut.

Make sure no bare whiskers of wire stick out (cover with electrical tape if necessary).

5. Secure the mounting plate to the junction box using the screws supplied.
6. Secure the insulating ring in each lamp holder and screw in a bulb (max 150W, not supplied) into each lamp holder.

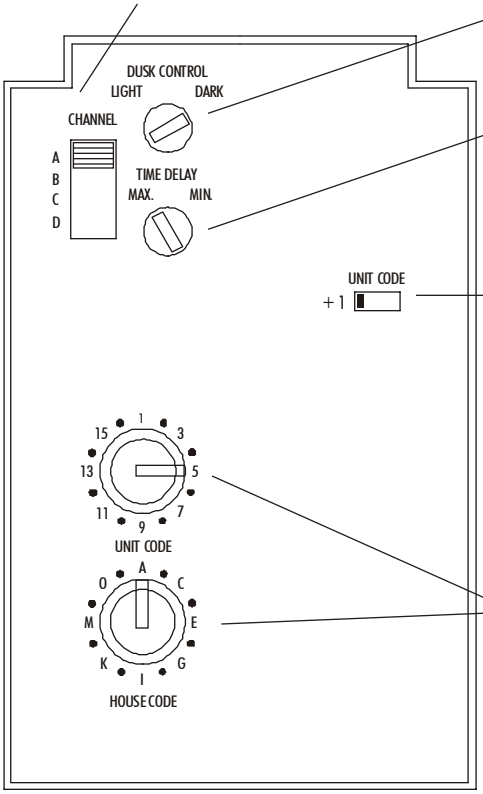


Controls and Connections

Your motion activated camera turns on whenever someone approaches your home and also turns on the connected floodlights to light up the area that the camera sees. The camera transmits its picture and sound to a 2.4 GHz receiver (sold separately) which you connect to your TV. Open the lid on the underside of the motion activated camera to reveal the controls below.

You set the channel switch (A, B, C, or D) to match the setting on the receiver.

You can set it to detect motion at all times or only when it gets dark.

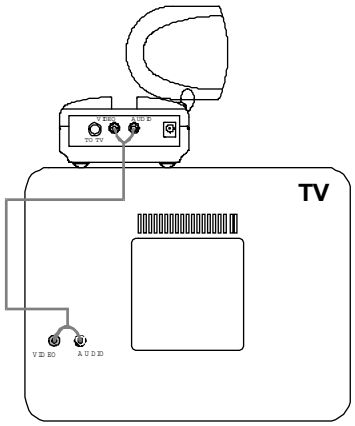


The camera turns off a short time after motion has stopped (adjusted by this dial).

You can turn the floodlights and the camera on from other X10 remote controls that plug into any outlet anywhere in your home. You set the Housecode dial to the same letter you set on your X10 controller, and you set the Unit Code to a number between 1 and 16.

When the camera turns on it transmits a wireless Radio Frequency (RF) command to turn off other cameras in a group of 4 (requires an X10 Transceiver (sold separately). The setting on these dials sets the Housecode and Unit Code for this camera.

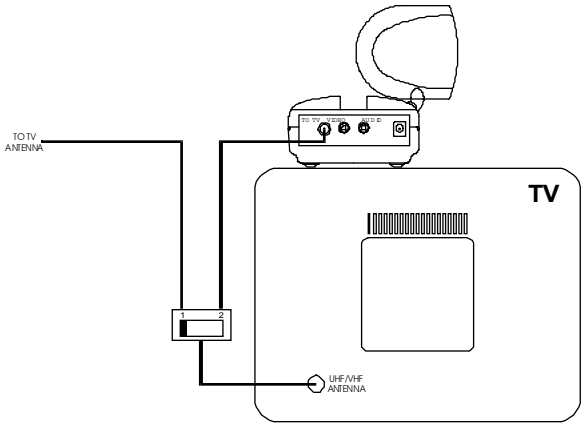
Connecting the Receiver (sold separately)



1. Connect a set of Audio/Video cables to the A/V OUT jacks on the VR31A Video Receiver. Connect the other end to your TV (use Yellow for video, and either L or R channel for audio). Note, VR36A receivers do not have an audio output.
2. Plug the Video Receiver's Power Supply jack into the Video Receiver and plug the power supply into a 120 volt wall outlet.
3. Turn the Video Receiver's power switch (on side of unit) on.
4. Set the channel switch to the same letter as you set on the camera, A, B, C, or D.
5. Position the Video Receiver in a convenient location such as on top of the TV and orient the antenna so that the flat side points in the direction where you set up the Camera.

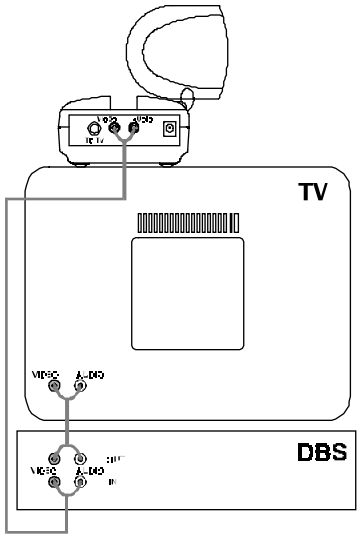
If your TV does not have A/V connectors

You can use a coaxial cable (supplied with Model VR31A receivers only) to connect the TV OUT socket on the VR31A Video Receiver to the Antenna input on your TV. If you already have an antenna connected to your TV, you will need to use a TV antenna splitter.
Set your TV and the TV Channel switch on the Video Receiver (on bottom) to the same channel (3 or 4).
Note model VR36A receivers do not have a COAX output.



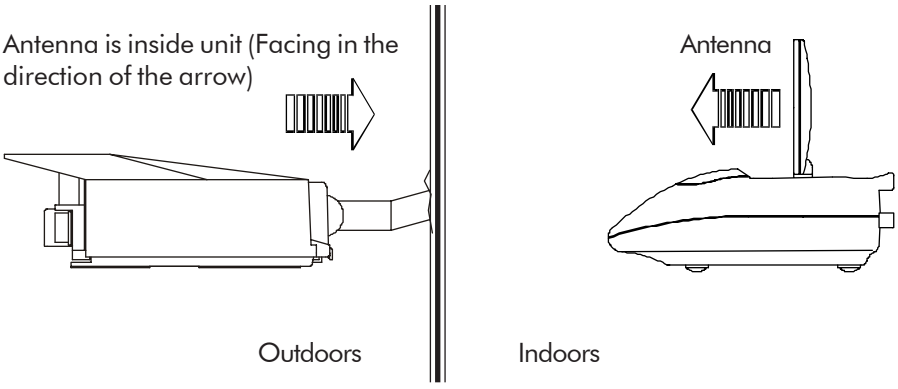
If your TV is already hooked up to a DBS Receiver or other A/V device

If a DBS Receiver or other A/V component is connected to the TV using A/V cables, you can connect the Video Receiver to the free LINE IN jacks on the component. If there are no LINE IN jacks, you will need to use a TV antenna splitter as described earlier (VR31A receivers only).



Fine Tuning your System

The Wireless Motion Activated Camera usually works best with the flat faces of the antennas on the Camera and Receiver unit facing each other (see diagram below). Sometimes, however, reflections and other effects in the home may affect the signal so that some adjustment of either the Sender or Receiver antenna may be necessary to get the best the signal.



TROUBLESHOOTING

If you do not see a picture on your TV:

Check that the receiver and the camera are on the same letter channel (A, B, C, or D). The channel switch on the camera is located under the lid on the bottom of the unit. Make sure you close the lid and screw it tightly shut afterwards.

There is a power light on the front of the receiver. Check that the power switch on the side of the receiver is ON.

Verify that your connections to the TV are correct. If you are using the RCA jacks, make sure you are using the appropriate input mode for your TV, try pressing the A-B button or Video button on your TV's remote to change the input mode (consult your TV's owner's manual, if necessary). If you are using the Coax cable (VR31A receiver only), verify that the Receiver and the TV are on the same channel (3 or 4).

If you connected the Receiver to a VCR and then connected the VCR to your TV, you might need to turn the VCR OFF to see the camera picture on your TV. Or you might need to turn the VCR on, AND set it to record the picture from the camera, in order to see the picture on your TV. Or you might need to press the A-B button on your VCR's remote control. Consult your VCR's owner's manual from more information.

If you get a picture but the quality is poor:

Take a look at what the video signal is passing through or near to get to the receiver. Metal objects and electromagnetic fields can distort the signal. Try to keep the receiver as far away from other devices as the RCA or Coax cables allow. In most cases, relocating the transmitter or receiver a few feet is enough to avoid the source of interference.

Try unplugging/turning off any electromagnetic interference producing devices, such as a microwave oven, baby monitor, computer, wireless LAN, wireless speakers, cordless phone, cell phone, etc.

Other 2.4 GHz devices can distort the camera's picture and/or cause buzzing in the audio. If you are experiencing interference between X10 cameras or Video Senders and some other equipment that uses 2.4 GHz, you might want to check the other device's owner's manual for the frequencies of each channel that it uses. X10 cameras and Video Senders use the following frequencies: Channel A: 2.411 GHz, Chan B: 2.434 GHz, Chan C: 2.453 GHz, Chan D: 2.473 GHz We recommend using a frequency on the other device that is farthest from channel A or D, depending on which side of the band the other device is transmitting. Otherwise you will need to discontinue use of the device while using our video equipment.

If you are having difficulty turning the camera on/off remotely:

Try plugging the transceiver (the module with the antenna) into a different AC outlet.

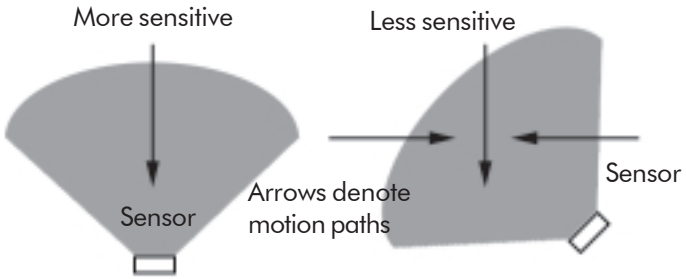
How do you focus the camera?

The motion activated camera is shipped preset to be in focus for normal use, but if you want to change the focus you can remove the clear plastic cover and rotate the inner portion of the lens. It might be a bit tight. Try turning it counterclockwise first. If you turn it clockwise do not force or over tighten it. Replace the clear plastic cover to keep the rain out.

If the motion sensor doesn't see you:

Check the dusk control setting to see if it is set to detect motion at all times or only at night. Adjust if necessary.

Check that you are walking across the path of the sensor. It is more sensitive in this direction than if you walk towards it.



For more help please visit www.x10.com/support

Specifications

Imager CMOS Sensor

Format 1/3"

Array Size NTSC: 510 X 492

Resolution: 310 TV Lines

Scanning: 2:1 Interlace

Auto Shutter: 1/60 to 1/15,000 sec.

Minimum Illumination: 3 LUX (f1.9)

Operating Temp.: 32 to 131 F

Humidity Limits 0 - 95%

Field of View: 38.5 deg.

Power Required: 120VAC

–12 MONTH LIMITED WARRANTY–

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