

Wi-Fi DVR Manual

Table of Contents	
Warnings & Precautions	2
Includes	4
Introduction	4
Features	5
Setup	5
About Live Viewing	7
Camera Menu & Settings	8
SG Home Menu & Settings	10
Reset Instructions	12
Specifications	13
Frequently Asked Questions	14
Pictures	17
Warranty & Disclaimers	23



Do not open/modify the device, as it may cause damage to the unit and void the Warranty. For internal repairs, consult your dealer or an Authorized Service Center.



Do not use any accessories or power supplies other than what comes with the device, otherwise it could void the warranty.



Protect from humidity. Do not put it in water and be careful to protect it from rain, sea water, or high humidity environment. Do not operate the unit near a bath tub, shower, sink, swimming pool, etc.



Protect from high temperatures. To avoid damage or mis-operation of the device, only use in temperature of 0 ~ +40°C(32 ~ 104°F).



Do not bring the device suddenly from a hot to a cold place, or vice versa. This may cause damage to the inside of the unit by creating condensation.



EU Environmental Protection

The symbol of crossed-out garbage shows that this product should not be treated as household waste, as it falls into the category of electric/electronic equipment for recycling. This electronic device should not be disposed of in regular trash. We strongly advise you to contact your local authority for proper disposal of this product.



TRAVELING WITH BATTERIES

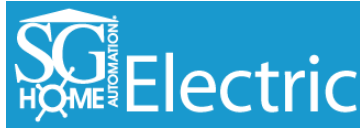
Batteries and battery-powered devices are safe to travel with if you follow these simple guidelines from the U.S. Department of Transportation:

- If possible, keep spare batteries in the original retail packaging, to prevent unintentional activation or short-circuiting.
- If an on/off switch is present, be sure the switch is in the OFF POSITION. **DO NOT TRANSPORT BATTERY WHILE ACTIVATED.**
- For loose batteries, place a strip of insulated tape across the battery's contacts or place each battery in its own protective case, plastic bag or package to protect them from contact with metal objects, such as coins, keys or jewelry. **CONTACT WITH METAL OBJECTS CAN SHORT-CIRCUIT THE BATTERY LEADING TO HIGH HEAT, LEAKAGE OR RUPTURE, RESULTING IN PERSONAL INJURY OR PROPERTY DAMAGE.**
- Take steps to prevent crushing, puncturing or putting a high degree of pressure on the battery, as this can cause an internal short-circuit, resulting in overheating.
- **DON'T** store batteries or battery-powered devices in hot places — elevated temperatures can lead to capacity loss, leakage or rupture.
- **DON'T** mix old and new batteries, or mix different types or makes of batteries. This can cause leakage or rupture, resulting in personal injury or property damage.
- **DON'T** give batteries to young children.

Per the U.S. Department of Transportation, "batteries pose little risk contained in the devices they power and that taking the battery out of the device does not enhance safety."

For the latest in battery and battery-powered device transportation, please visit <http://safetravel.dot.gov/>.

For additional information contact: support@kjbsecurity.com or 1-800-590-4272. Outside the U.S. call 615-620-1370.



Includes

- Zone Shield® or Xtreme Life® Wi-Fi camera by SleuthGear®
- Battery Pack & USB charging cable (Xtreme Life® models)
- Quick Start Guide

Recording Duration Chart

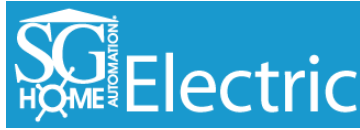
Size	Frame rate	1GB	8GB	16GB	32GB
HD	30 fps	1 hour	8 hours	16 hours	32 hours

Introduction – SG Home® Wi-Fi

SG Home® Wi-Fi cameras allow easy viewing anywhere on the free SG Home app. Event notifications alert you when the hidden camera detects activity in your home or office. Connect multiple cameras and view live streaming video from all cameras on your tablet or smart phone. You can even record and playback video directly in the SG Home app.

The battery operated hidden camera systems were designed to be a long life battery-operated hidden video camera and DVR. To accomplish extended battery life, your camera uses a technology known as PIR (Passive Infrared). You'll find the PIR sensor located next to or near your camera. The PIR sensor regulates the power to the internal video recording components and is the triggering system that initiates recording. When there is no activity in range of the PIR sensor, the camera and the DVR will be powered down. When the sensor is triggered, it will send a signal to turn on the camera and begin recording almost instantly. The less activity the longer the camera will maintain battery life. Live viewing of the camera is available any time, the battery will last up to 8 hours in this mode. Remember, live viewing uses up battery life.

All of our SleuthGear® line of hidden cameras are designed and assembled in Nashville, TN USA backed by our 1 year warranty. Visit our website to see the full line of SleuthGear® hidden cameras at www.mysleuthgear.com



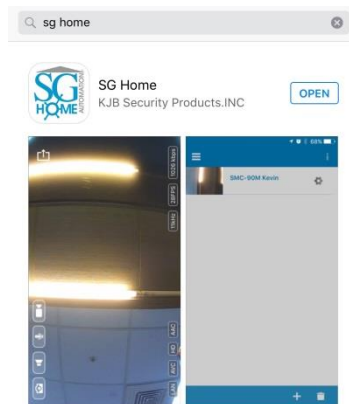
Features

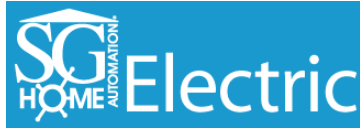
- Free Live viewing anytime from anywhere
- Use on multiple smart devices
- Place cameras in different locations and see in one App/Device
- HD recording
- Quick set up
- Event notification so you always know what is taking place in your home or office
- Cloud Recording
- Indoor/ Outdoor Hidden Video Surveillance (select models)
- Night Vision – Hidden IR lights capture video at night (select models)
- No visible wires (select models)
- Battery Life – up to 16 hours continuous recording, up to 90 days on standby
- Protect your home, office, vacation home, watch your pets, nanny or use as a baby monitor

Setup

SG Home App Installation

- ▶ Search for “SG Home” in Apple App or Google Play Store and install it on your smart phone or tablet.





SG Home App Sign Up

1. Click on the sign up button in lower left
2. Enter email, name, and create password. Click next.
3. The app will ask for activation code, enter activation code (sent to your email address in previous step). The email will come from email address: 'eacMgr (voipservice@mail.ntut.edu.tw)'.

Adding Your Camera for iOS Devices

1. Power on the camera.
2. Open the SG Home app on your smart device and then press the '+' button.
3. In the next screen, you will be directed to choose the WiFi network you want your camera connected to. Go to the settings on your smart device and check to see that your smart device is connected to the WiFi network you want your camera connected to. Then go back into the SG Home app and click on the 'Next' button.
4. You will be asked to enter your WiFi password now. If you have not set your WiFi password before, it can usually be found on the back of your WiFi router.
5. The next step is setting a password for your camera. This will need to be entered twice. Be sure to write it down somewhere or use a password you can remember.
6. Now that you have set a password, the app will direct you to connect your smart device to the camera. Go into the WiFi settings on your smart device and connect to the WiFi network labelled 'Device_*****'. Give your smart device about 10 seconds to establish the connection. Once connected, return to the SG Home app and select the 'Next' button.
7. The camera will reboot now, wait about 10 seconds and then select the 'Finish' button.
8. The smart device is now connected to the camera. Click on the link in the app and it will pull up a live view. The example below shows four cameras that have been set up on the SG Home app.



Note: You will not be able to use Bluetooth on Bluetooth speaker model while setting up the connection on iPhone or iPad. Plug the device in, but do not power on the switch on the back. Once connected to your Wi-Fi network, the Bluetooth function will work fine.

Live View



Mic Snapshot Video Recording

▶ Snapshot

- Used for taking pictures while in live view
- Tap camera icon to take pictures
- Pictures stored in Local Media on SG Home app

▶ Mic

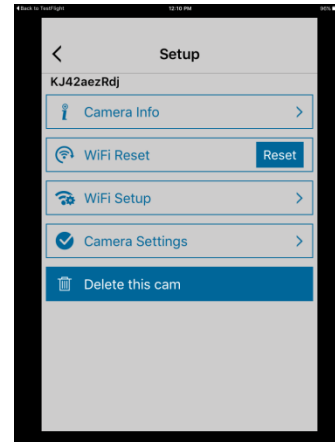
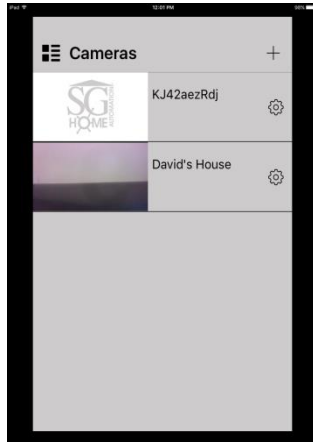
- Record audio with video
- Tap mic icon to enable/disable mic
- This feature is only available to law enforcement and for export

▶ Video Recording

- Used to record video while using live view
- Tap video recorder icon to start/stop recording
- Videos stored in Local Media on SG Home app

Camera Setup

- ▶ When the SG Home App opens, tap the icon that looks like a gear located next to the added camera. This will bring you to the setup menu shown below.



Camera Info

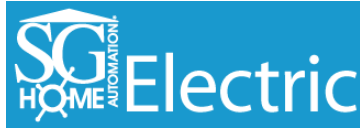
- ▶ From here you can edit the camera's name.
- ▶ The Camera ID, displayed as the device's network name before connecting the camera, is displayed here.
- ▶ Selecting 'Firmware Upgrade' gives the application's Model, Version, and Vendor information. This will also search for any needed firmware upgrades.

WiFi Reset

- ▶ Selecting WiFi Reset will reset the camera.
- ▶ The camera's WiFi network name will display after selecting the reset button. The camera will be removed from the SG Home application and must be set up again for viewing.

WiFi Setup

- ▶ This is used if you need to move your camera to another WiFi connection. It will enable you to connect your camera to another WiFi network.



Camera Settings

- ▶ Selecting 'Camera Settings' gives the following options
 1. PIR – The PIR is what senses motion and turns the camera on to record. The PIR can be turned on/off from here. *Note: If the PIR is turned off the camera will not record unless the user is in live view mode and taps the record video icon.*
 2. IR – The IR is what allows the camera to see in low light. Only certain camera models have IRs. The IRs will only turn on if there is not adequate light for the camera. The IRs can be turned off so that they never turn on, regardless of lighting. The camera picture switches to black and white when IRs are on.
 3. Flip and Mirror – Rotate viewing 180 degrees
 4. Storage Management – Memory status of Camera
 5. Time Zone – The cameras time zone can be set here
 6. Battery – Currently unavailable
 7. Power Line Frequency – Defaulted to 60Hz

Delete this Cam

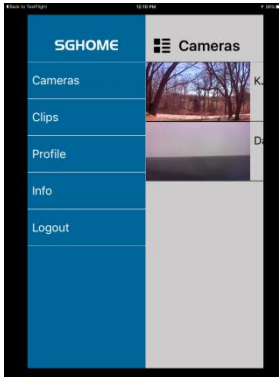
- ▶ Used to remove the camera from the SG Home application

Alerts

- ▶ Have your camera send your smart device alerts when it senses motion
 1. This function accessible through notifications in your smart device settings
 2. To access this function, go to notifications under your smart device settings and select the SG Home app.

SG Home Menu

- ▶ The screenshot below displays menu available when clicking on 'Cameras' from the main screen when opening SG Home application.



Cameras

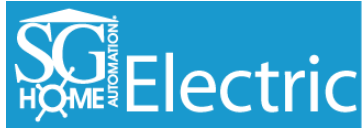
- ▶ Selecting 'Cameras' brings you to the main page that displays all connected cameras.

Clips

- ▶ Access and view recorded video. Also set the desired recording time for future recordings.
 1. Video is automatically recorded to the SD card when the camera senses motion. To view these videos, select 'SD Card' and tap on video to view.
 2. Videos recorded to the SD card can be pre-set to record between 20 seconds and 2 minutes. Select 'SD Card Playback Setup' to set the record time for future recordings. Turning this function off will turn automated recording off on the camera.
 3. Videos and pictures can be manually recorded from the live view mode. To view these videos or pictures, click on 'Local' and select the appropriate icon for video or picture.

Profile

- ▶ View your SG Home profile name and reset password from here

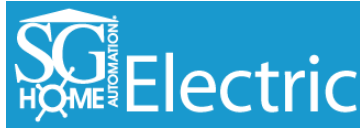


Info

- ▶ Find below general information here
 1. App Version
 2. C2C Module Version
 3. Registration Server
 4. Registration State
 5. About (Terms and Conditions)

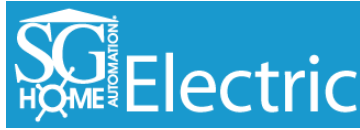
Logout

- ▶ Log out of SG Home



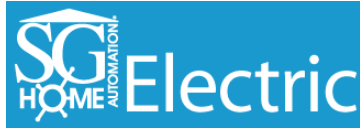
Resetting Camera

- ▶ At times you may have a need to reset your camera, whether it is for an app update, moving the camera to another WiFi network, or other reasons.
- ▶ There are 2 ways of doing this:
 - Resetting camera from app
 - Resetting camera manually using button
- ▶ Resetting camera from app
 - Click on gear icon located next to camera you would like to reset
 - Then click on Wi-Fi Reset and follow prompts to reset camera
- ▶ Resetting camera manually using button
 - **Locate the reset button on your camera.** If you open your camera to access the memory card slot (e.g. Smoke Detector, Wall Clock, Teddy Bear), the reset button will be located near the board. If you don't open the camera to access the memory card slot (e.g. DVD Player, Bluetooth Speaker, Air Purifier), then the reset button will be sticking out of the bottom or back of the unit.
 - **Start with the system powered off, then press and hold the reset button prior to powering the system back on, releasing after about 5 seconds.** For SG Electric models, you must unplug the system from AC power. For SG Battery items, you may either turn the battery switch off, or simply disconnect the battery from the power jack. You may need to use a pin or small paperclip to press the reset button on some models.
 - **Open the SG Home App.** If the camera system is not in your list already, then follow the Quick Guide steps to add the camera back into the app. If the camera system is already in your list, then go to Settings(Gear Icon) -> WiFi Setup and follow the on-screen directions.



Specifications

Operation Temperature	0°C ~ 50°C (32°F ~ 122°F)
Video Resolution	HD (1280*720)
Video Format	AVI
Video Compression	H.264
Video Recording Schedule	Motion / Continuous / None
Recording Frame Rate	Up to 30 fps
Wi-Fi Standard	802.11b/g/n
Antenna Gain	3 dBi
Recording Storage	Micro SD Memory Card
Audio Recording	Optional (Law Enforcement/Export only)
Motion Post Recording	20, 40, 60, 80, 100, 120 seconds
Video Storage Mode	Overwrite
Field of View	125°
Apple Requirements	iOS 5.1 or higher
Android Requirements	Android 2.3 or higher
Additional Specification for Xtreme Life® product line only	
Battery Life	Up to 90 days on standby / 16 hours continuous



Frequently Asked Questions

Q. What size memory cards can I use in this camera?

A. Most memory cards, of up to and including 32GB capacity (class 6 or higher), are supported. If a memory card does not appear to work, try removing and formatting the memory card using a computer before trying it in the camera again.

Q. Why did I not get a recording when I know there was motion in front of the camera?

A. The motion was not detected because it was too little, too quick or too far away. Make test recordings to discover the limits of detection in your given placement and environment.

Q. Why will my video file not play or the file is corrupted?

A. If the camera is not properly powered down prior to removing the memory card, the files on the memory card, or the memory card itself, may become corrupted. Make sure to always properly power down the camera before attempting to remove the memory card.

Q. Why do I only see part of my desired surveillance target?

A. Placement of any camera is a very important step in setup. Be sure to make test recordings of the desired area of surveillance prior to final setup to ensure the camera can perform as desired in your given environment. This should not only include what area can be captured by video, but also testing the ability to properly trigger recording in the area if using Motion Detection mode.

Q. Why am I having trouble viewing my live remote-view my camera?

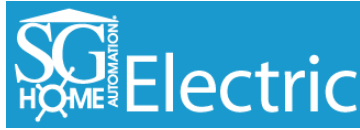
A. There is a minimum amount of internet bandwidth required on both the transmitting and receiving side connections. For D1 resolution, each connection will need a minimum bandwidth speed of 1Mbps. For HD resolution, each connection will need a minimum bandwidth speed of 1.5Mbps.

Q. Can't see devices network under WiFi settings?

A. Cut power, then hold the reset button down and give it power again, continuing to hold for at least 5 seconds, with 10 being the max. After letting go, the board will cycle again and then enter back into AP mode and broadcast again, ready to be paired again.

Q. iPhone/iPad: App is telling me to choose network, but I can't select anything.

A. On iOS, when it says "choose Wi-Fi network", it is asking you to connect your phone to your home/office network.



Q. What media player software should I use to playback the recorded files?

A. The recorded files are in the .AVI format, which is able to be played back on software such as Windows Media Player and others often pre-installed on a personal computer. If you are having trouble with playback, try downloadable software such as the free open-source player VLC (videolan.org). (If the files are put on a CD or DVD, some DVD or Blu-ray players are able to directly playback the .AVI format – please consult your camera’s user manual for compatibility.)

Q. Camera is in black and white.

A. If your camera is black and white, go to the camera settings and turn IR’s off.

Q. How do I restart or reboot my camera?

A. You can reboot your camera by disconnecting it from the power supply. For Zone Shield[®], this will be an A/C adapter. For Xtreme Life[®], this will be the battery pack. Then simply re-connect the power supply and the camera will power back on.

Q. Why won’t my SG product display the correct time and date when I view video from my SD card on my PC?

A. The correct time and date is automatically represented when viewing video on the SG Home app. However, when viewing from your PC on the SD card, the format displayed needs to be converted to give you a time and date format. To do this:

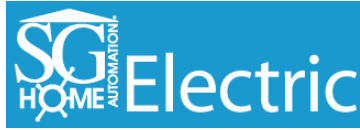
1. Copy the conversion file under “Name” and go to onlineconversion.com
2. Paste the numbers into the bar on the website labeled “UNIX TimeStamp”
3. It will convert the numbers to the correct time and date format.

Q. Do I need to be close to my Wi-Fi router in order to set up my Wi-Fi camera?

A. Yes, be as close to your router as possible. The closer you are, the better the signal and more likely to successfully connect your camera.

Q. If I have a firewall(s) set up on my Wi-Fi, will that inhibit me from connecting to my router?

A. Yes, it is possible. Please make sure you know what your firewall settings are.



Q. Can't see camera network in my Wi-Fi setting, unable to connect.

A. Cut power, then hold down the reset button and power the device back on while continuing to hold the reset button for at least 5-10 seconds. After letting the button go, this will reset the device and you can follow the quick set up guide instructions to do the set up again.

Q. Do I need a lot of memory on my smartphone or tablet in order to get everything set up?

A. You do need sufficient memory in your smartphone to download and setup the App. Memory requirements for the app can be found in the App Store or Google Play Store.

Q. I have multiple devices connected to my Wi-Fi Router. Is this OK?

A. You want to have the least amount of devices disrupting your Wi-Fi signal as possible when setting up your camera. Taking all of your other devices off the network can only help the setup process.

Q. Can't find SG Home app on iPad.

A. Select iPhone only from the top toolbar

For units that have Night Vision (IRs); not all Zone Shield® Wi-Fi units come with this option, please check your receipt:

Q. Why are my Night Vision images not that bright?

A. Covert placement of the camera and IR sensor affect image quality in each individual product form. Move the unit to different locations to test the video quality. You will experience pixilation with any night vision camera. SleuthGear® strives to maintain a balance between creating a reliable hidden camera and recording in extreme low light conditions.

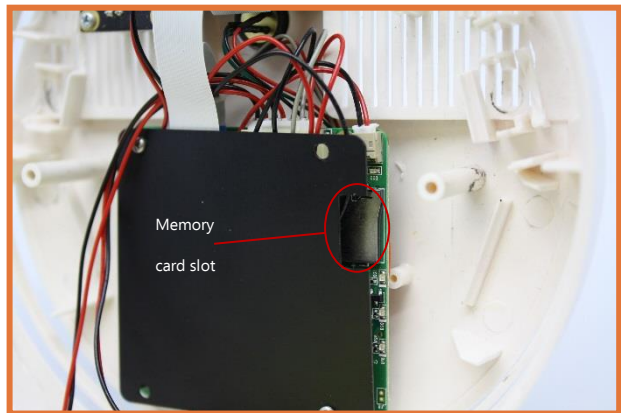
While SleuthGear® makes a concerted effort to test Night Vision products in different low-light situations, we cannot replicate every possible lighting environment at a customer's location

Pictures

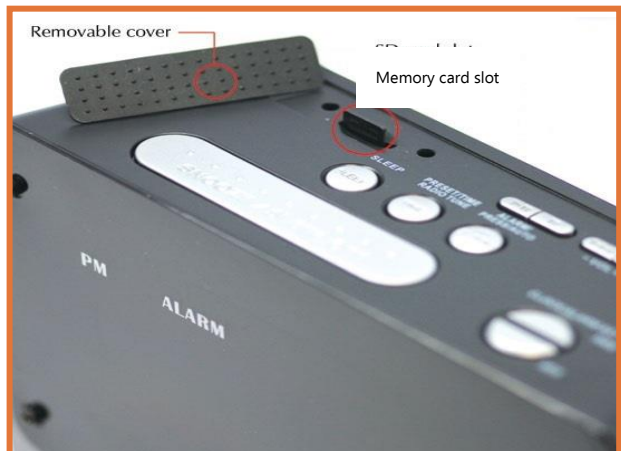
Wall Clock



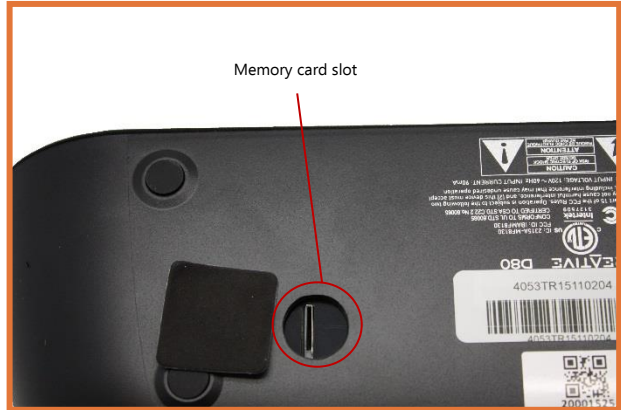
Smoke Detector



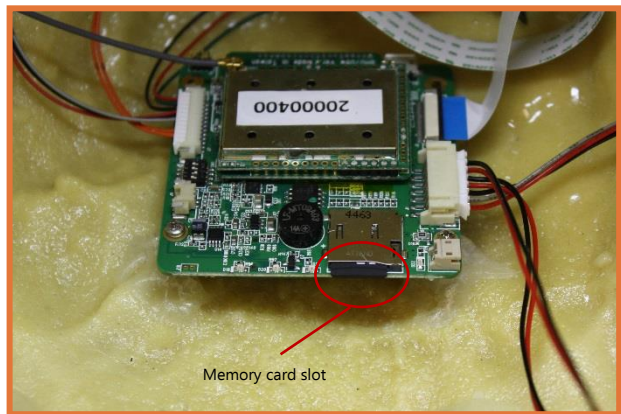
Clock Radio



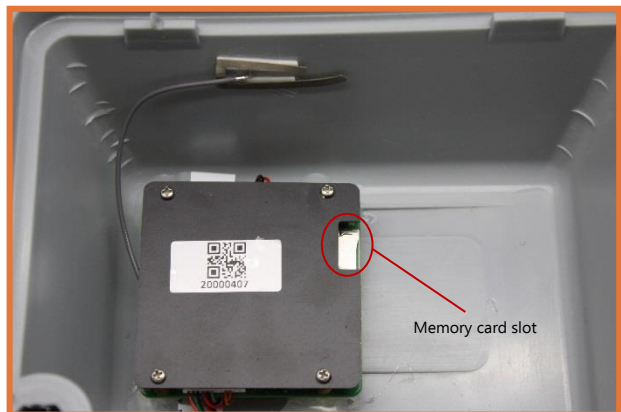
Bluetooth Speaker



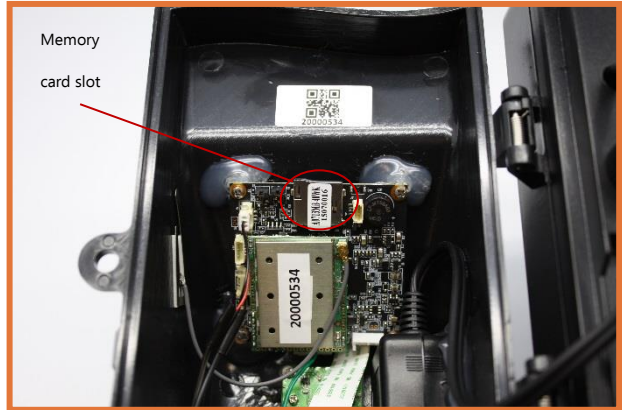
Rock



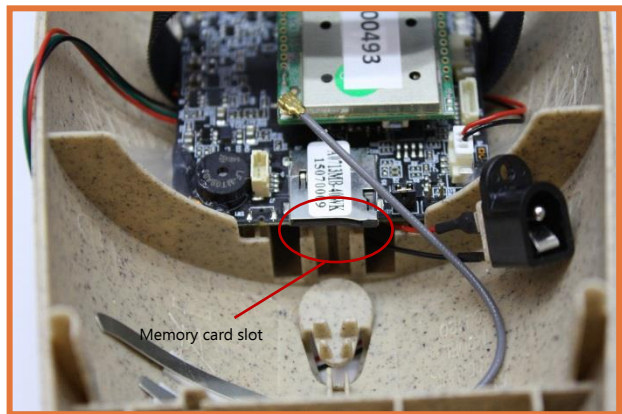
Cable Box



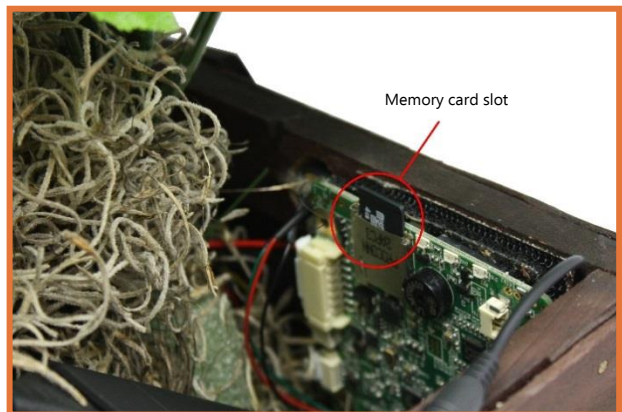
Outdoor Power Strip



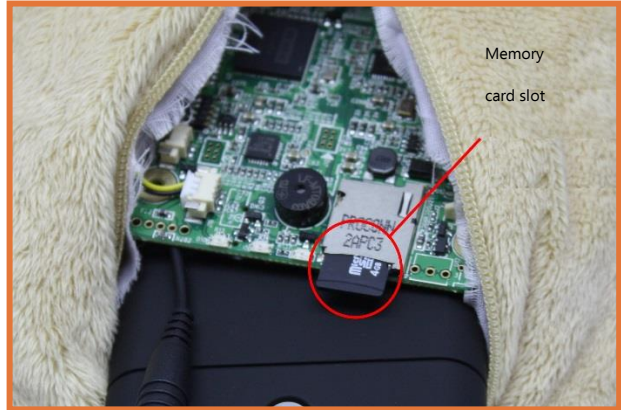
Air Freshener



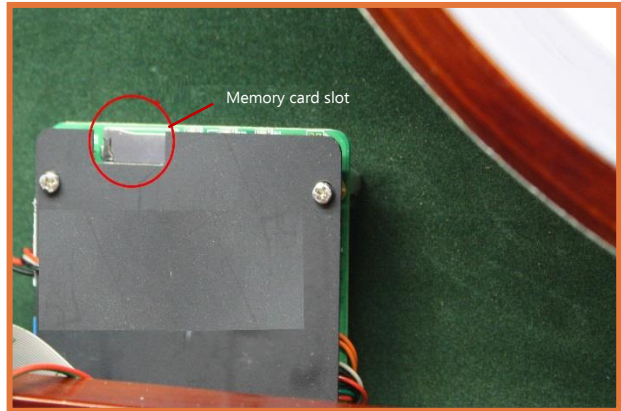
Plant



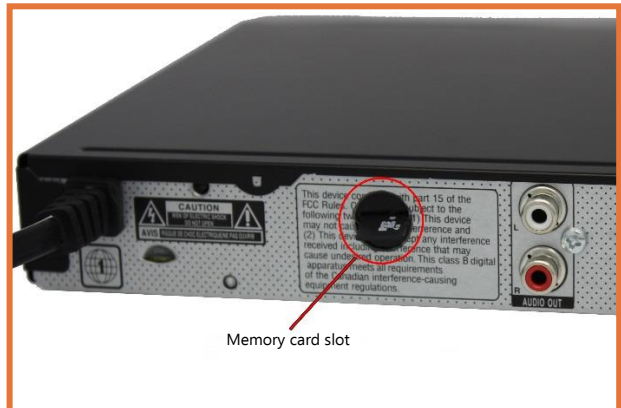
Teddy Bear



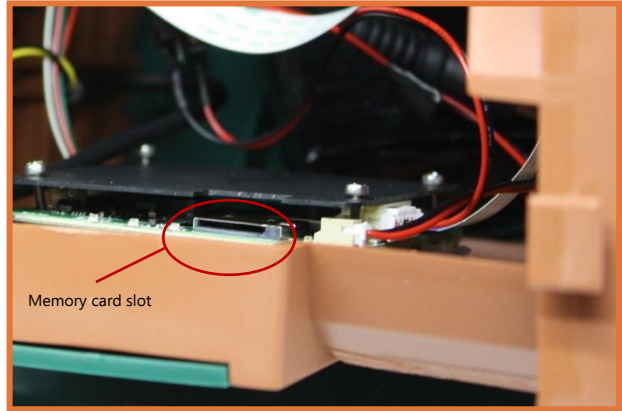
Mantel Clock



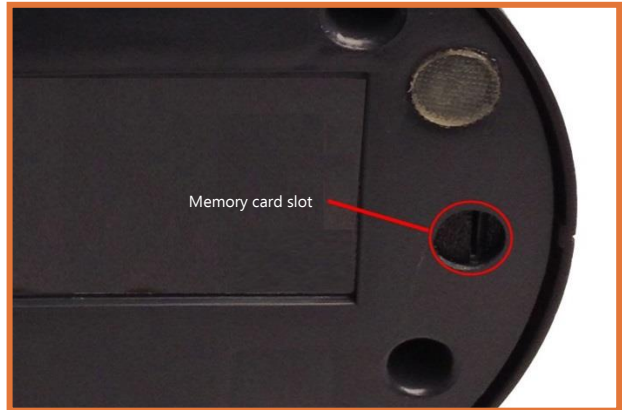
DVD Player



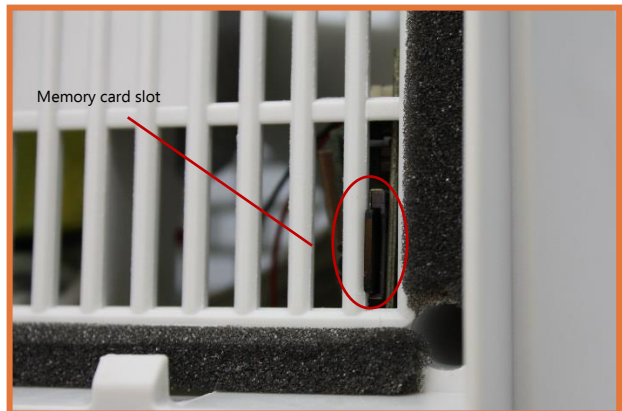
Bird Feeder



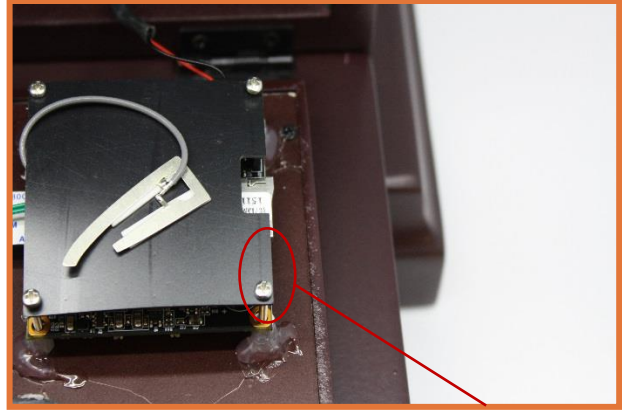
Oscillating Fan



Air Purifier



Rectangle Clock



Memory card slot



Manufacturer's Limited Warranty

Manufacturer warrants all Covert Video and SleuthGear® Hidden Video Products (Product) assembled and sold by Manufacturer to be free of defects in material and workmanship, subject to the following conditions. The duration of Manufacturer's warranty with respect to the Product is limited to one (1) year from the date of sale to the original consumer purchaser only for Products delivered within the fifty (50) states of the United States, District of Columbia, or the possessions and territories of the United States

No other express warranties are made with respect to any Product. All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited to the warranty period set forth above. This warranty is not transferable and applies only to the original consumer purchaser of the Product.

Manufacturer will, as its sole obligation under this warranty, replace or repair, at its option, any Product that does not conform to this warranty. Under no circumstances will the Manufacturer issue credit or give a refund for Product covered by this warranty. Furthermore, under no circumstances will Manufacturer be liable for any incidental or consequential damages under this warranty or any implied warranties.

What is not covered:

This limited warranty does not cover Products that in Manufacturer's judgment have damage resulting from any (i) deviation from Manufacturer's operating instructions as printed in Manufacturer's catalog or on any packaging, labels or other literature provided with a Product, (ii) installation of a Product in a manner which is inconsistent with Manufacturer's written instructions, (iii) alteration, modification of or tampering with a Product, (iv) misuse, (v) neglect, (vi) abuse, (vii) accident, (viii) power surge, static electricity or other electrical discharge, (ix) normal wear and tear, (x) commercial use, (xi) service by anyone other than a Manufacturer authorized repair facility, or (xii) other improper application, installation or operation of the Product. Or, (xiii) have been purchased from inventory clearance or liquidation sales or other sales in which Manufacturer expressly disclaims its warranty obligation pertaining to the Product.

How you (the Customer) can get service:

To obtain warranty service during the warranty period, you must return the defective Product with the original receipt to the original place of purchase. Contact them for return instructions. If warranty service is needed at any time during the warranty period, the purchaser will be required to furnish a sales receipt/proof of purchase indicating the date of purchase, amount paid and place of purchase. Customers who fail to provide such proof of purchase will be charged for the repair of any Product.

How state law relates to the warranty:

Some states do not allow limitations on how long implied warranties last, or the exclusion or the limitation of incidental or consequential damages. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights that may vary from state to state.

NO PERSON IS AUTHORIZED BY MANUFACTURER TO MODIFY OR ADD TO THIS LIMITED WARRANTY.

For warranty information on Products delivered outside the United States please contact the original place of purchase.

DO NOT ATTEMPT TO RETURN PRODUCT TO ORIGINAL MANUFACTURER, AS THIS PRODUCT HAS BEEN MODIFIED AND IS NO LONGER SUBJECT TO ORIGINAL MANUFACTURER'S WARRANTY. IN THE CASE OF A DEFECTIVE PRODUCT, CONTACT PLACE OF PURCHASE FOR RETURN PROCEDURE.

IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT THIS EQUIPMENT IS USED IN ACCORDANCE WITH THE LAW(S) OF THE JURISDICTION IN WHICH THIS EQUIPMENT IS UTILIZED.

THIS PRODUCT MAY BE SUBJECT TO THE JURISDICTION OF THE U.S. WIRE AND COMMUNICATIONS ACT (18 UNITED STATES CODE §§ 2510-2522) (HEREINAFTER REFERRED TO AS "ACT") REGARDING SURREPTITIOUS RECORDING DEVICES. THE USES OF SUCH PRODUCTS ARE REGULATED BY THE ACT. ADDITIONALLY, THE LAWS OF SOME STATES, COUNTIES, CITIES OR LOCALITIES MAY PROHIBIT THE POSSESSION AND/OR USE OF THIS OR SIMILAR PRODUCTS. IT IS THE RESPONSIBILITY OF THE RETAIL BUYER AND/OR FINAL CONSUMER (HEREINAFTER REFERRED AS "BUYER") TO ASCERTAIN, UNDERSTAND, AND OBEY ANY AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS REGARDING POSSESSION AND USE OF THIS PRODUCT. BY PURCHASING THIS PRODUCT THE BUYER REPRESENTS THAT IT WILL INDEMNIFY THE MANUFACTURER AND/OR DISTRIBUTOR AND HOLD THEM HARMLESS FOR ANY POSSESSION, USE AND/OR MISUSE THAT VIOLATE ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION REGARDING AUDIO AND/OR VIDEO DEVICES. BUYER AGREES TO CONSULT WITH AN ATTORNEY AT LAW REGARDING POSSESSION OR APPROPRIATE USE OF A COVERT DEVICE. NOTE THAT LAWS AND REGULATIONS VARY FROM STATE TO STATE. IF BUYER EXPORTS THIS PRODUCT, THE BUYER WILL COMPLY WITH US EXPORT CONTROL LAWS AND ANY APPLICABLE DEPARTMENT OF COMMERCE, STATE AND TREASURY REGULATIONS GOVERNING EXPORTS AND SALES TO PROHIBITED END USERS. DIVERSION OR RE-EXPORT CONTRARY TO U.S. LAW IS PROHIBITED. BUYER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS GOVERNING THE SALE OF THIS PRODUCT, INCLUDING U.S. EXPORT CONTROL LAWS AND THE U.S. DEPARTMENT OF COMMERCE AND TREASURY REGULATIONS GOVERNING SALES TO PROHIBITED END USERS.

PART 15 LOW POWER: ANY CHANGES OR MODIFICATIONS TO THIS EQUIPMENT WITHOUT THE EXPRESS AUTHORIZATION OF THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT (RULE 15.21 OF THE FCC).

THIS EQUIPMENT HAS BEEN TESTED AND HAS BEEN FOUND TO BE IN COMPLIANCE WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTIONS AGAINST HARMFUL INTERFERENCE IN A RESIDENTIAL INSTALLATION. THIS EQUIPMENT USES, GENERATES AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.