

HD DVR Manual

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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 $0 \sim +40^{\circ}\text{C}(32 \sim 104^{\circ}\text{F})$.



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.





Includes

- Zone Shield® or Xtreme Life® HD DVR camera by SleuthGear®
- Battery Pack & USB charging cable (Xtreme Life® models)
- · 8 GB Micro Memory Card
- DVR Remote Control
- DVR Video Output Cable
- · CD with full User Manual

Compatible Memory Storage

For the camera to function properly, below memory card brands of class 6 and above are recommended:

- Apacer
- Toshiba
- Sandisk
- Kingston

For 64GB cards, the below memory card brands of class XCI or above are recommended:

- Toshiba
- Samsung EVO

Recording Duration Chart

Size	Frame rate	1GB	8GB	16GB	32GB	64GB
HD	30 fps	46 min	6.0 hours	12.0 hours	24.5 hours	49.0 hours
	15 fps	1.3 hours	10.8 hours	21.6 hours	43.2 hours	86.4 hours
D1	30 fps	65 min	8.5 hours	17.0 hours	34.5 hours	69.0 hours
	15 fps	2.0 hours	15.7 hours	31.4 hours	62.7 hours	125.5 hours





Introduction - Zone Shield® HD

Thank you for purchasing your Zone Shield® HD hidden camera system. Before you get started, allow us to introduce you to some of the main components of your hidden camera. The Zone Shield® HD DVR was designed as a standalone digital recording system for you to quickly deploy when you need to protect what matters. We incorporated a built in DVR recording system capable of 720P, meaning it is high definition recording, a user friendly interface, and multiple recording options making the Zone Shield® HD hidden camera the perfect solution. You can use it as a simple motion activated system to a fully customizable recording system. The choices are there to meet your specific recording requirements.

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

Introduction - Xtreme Life® HD

Thank you for purchasing your Xtreme Life® HD camera system. Before you get started, allow us to introduce you to some of the main components of your hidden camera. Xtreme Life® HD is a hidden camera with 720P video resolution, making your device a high definition video system. Xtreme Life® HD was 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 system will maintain 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





Quick Setup Guide

- 1. Take the unit from the box and ensure you have received all included items (pg 3).
- 2. Open the device to insert the memory card into the memory card slot and connect the power supply or battery, turning it on after the connection is made.

For the XtremeLife[®] models, charge the battery pack first ~10 hours for a full charge

- To confirm the device is ready, connect the provided video cable from the unit to your TV video input and create motion in front of the camera to see a live video feed and make a sample recording.
- 4. Your device is now ready to be placed in the area of desired surveillance.
- 5. Default recording setting is Motion Detection (Zone Shield®) or PIR detection (Xtreme Life®). Once the power is turned on and the device recognizes the memory card, the DVR will begin to record based on the default recording setting.

PIR Technology Note: Each Xtreme Life[®] DVR has a built in PIR sensor that detects levels of infrared radiation, the use of which makes the battery life so long. Everything emits some level of radiation. The hotter an object is, the more radiation it emits. Changes in radiation levels are considered as motion by the DVR, which will then turn on and begin to record. The PIR sensor requires very little power, so the DVR will be off even though the PIR sensor is still detecting radiation. When the PIR detects a change in radiation, the DVR will turn on and begin to record. The DVR takes approximately 3 seconds to turn on and start recording.

Features

- HD Resolution 1280x720 for a True 720P Picture
- Indoor/ Outdoor Hidden video Surveillance System (select models)
- · Wide Angle Lens XL Captures More of Your Scene than Ever Before
- Long Lasting Rechargeable Batteries using PIR Sensor Provides up to 90 Days of Standby (Xtreme Life® models)
- Night Vision Hidden IR Lights Capture Video at Night (select models)
- . Time/ Date Stamped Files
- Digital CMOS Camera with 720P Image Sensor Provides Clear Captured Video
- Micro Memory Card for Portable, Transferable Storage up to 64GB
- Easy HD Video Playback Capable of Playback on Windows, Apple, and Other Platforms
- No visible wires (select models)
- Fast Start Up From Trigger to Record in 2 Seconds, Nothing Captures Video Faster
- 1 Year Manufacturer's Warranty





Setup

Remote Control Diagram



Icon Button	Function rate	Description(s)
•	Recording	Manually puts the unit into sleep mode from active
A	Lock/ Unlock	Remote control key lock/ unlock. Locks the buttons from accidental operation.
	Menu	Enter or Exit the settings menu
* *	Up/ Down Left/ Right	Menu navigation and settings changes – varies by menu
OK	Enter	Confirm selection
>	Playback/ 1X Forward	Enter the Playback menu or play video 1x forward
=	Pause	Pause video playback
	Stop	Stop video playback
▼	Rewind	1x Rewind
>>	Fast Forward	1x / 2x / 4x / 8x Fast Forward
*	Fast Rewind	1x / 2x / 4x / 8x Fast Rewind
Ü	LED	Turn DVR LED light indicators on or off (see page 14 for chart)
+	Not Used	n/a
	Not Used	n/a
	Not Used	n/a





Menu & Settings

Press on the remote to get into the On-Screen-Display (OSD). From there you can modify the system. There are only 4 categories in the OSD: <u>Recording, Triggering, Storage, and Settings.</u>



- Using to navigate between menus, press OK on your highlighted icon to enter that section and access additional programming options.
- Refer to the Menu Structure Tree (pg 13) for a full diagram of all OSD and programming options.
- To return to a previous screen, press at any time.





1. Recording

▶ Press to navigate.

Press to change the setting.

▶ For an estimate recording capacity by video quality and memory card capacity, refer to the chart on page 3.

Note: Zone Shield® models are limited to a maximum of 15fps (despite being able to select 30 fps) because of Motion Detection function.

Recording

Frame Rate Resolution ✓ 10 fps→ : HD

2. Triggering

Press to navigate.

Press to change the setting.

Xtreme Life® – PIR Auto Off: the duration of time, in seconds, that the DVR will countdown while continuing to record after motion has been detected, which triggers the recording process. Any further motion detected at any point during that time frame will reset the countdown. Once the time has elapsed without further motion, the device returns to sleep mode.

Zone Shield® – M.D. Post Recording: When motion is no longer detected, recording will stop after an additional 5, 10, 15, or 20 sec.

Zone Shield® – M.D. Sensitivity: Adjustable value is High, Medium, or Low.

Triggering

PIR Auto off time Schedule setting **◄** 20 sec ▶

Triggering

M.D. post recording M.D. sensitivity

4 5 sec ▶

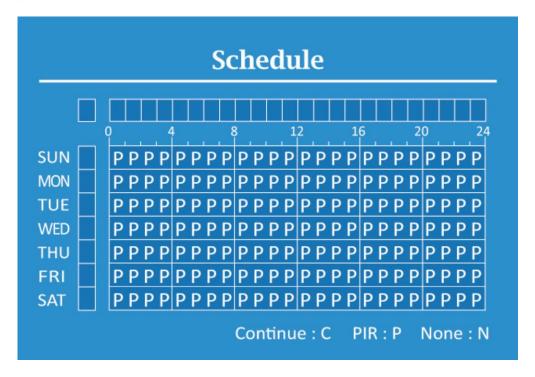
: High

Schedule setting





In the <u>Schedule</u> setting sub-menu, you can select all blocks (default pictured below) by column or row to change the <u>Schedule Setting</u> by week, hour, or day by one click of the appropriate outer box(es). You man also select individual hour blocks across various days.



- <u>Xtreme Life® models</u>- When scheduled to <u>Continue</u> mode, the DVR will continuously record during the set time block. However, if a <u>Continue</u> block is preceded by a <u>PIR</u> or <u>None</u> without anything to trigger during the moment of schedule transition, the DVR will remain in sleep mode until an event triggers it to wake, including across any <u>Continue</u> blocks immediately following. Once awake, the DVR will continuously record until the end of that block in which it is set to <u>Continue</u>, including across any subsequent <u>Continue</u> blocks immediately following.
- ▶ <u>Zone Shield® models</u> For Zone Shield® models, the three options for Schedule Setting will be <u>Motion</u>, <u>Continue</u>, or <u>None</u>. On Motion, the Live View will remain on all the time, but will not record unless the camera detects motion. <u>Continue</u> and <u>None</u> function the same as usual.

Motion: M Continue: C None: N





3. Storage

Press to navigate.

Press to change the setting.

▶ <u>Total Space, Total Time</u> and <u>Time Left</u> will be calculated automatically.

Fotal Space	4 GB	
Гotal Time	00:57	
Гime Left	Recycling	
Mode	◆ Overwrite ▶	
Format Storage		

4. Setting

Press to navigate.

Press to change the setting.

<u>Buzzer Setup</u>: Turns the confirmation sound on or off.

<u>Status Display</u>: Turns the live vew on screen display on or off. The OSD does not show on recorded files.

<u>Audio</u>: Option available on Law Enforcement and Export models only!







Date & Time

Press to navigate.

Press to change the setting.

Date & Time format options: YYYY/MM/DD, MM/DD/YYYY, or DD/MM/YYYY YYYY / MM / DD 2014 / 08 / 07 12:17:45

Factory Default

- Factory Default will show all the default factory setting values
- Highlight "Yes" and press OK to load these default settings.

Default values:

Recording: HD / 30fps
PIR auto off time: 5 sec
Schedule: All Time PIR

Mode: Overwrite

Buzzer: ON

Status display: ON

Are you ready to reset?

Yes No





Playback

▶ When at the live image view, press to enter the Playback Menu.



- Press to select the search type.
- Press OK to enter the selected search menu.

Playback Menu

File Search
Date / Time Search

File Search

- Select the file you would like to playback
- Press OK to load these default settings.
- ▶ Press to return to file list.
- Press while in file list page to completely exit the Playback Menu and return to the Live View.

PICT0506.AVI	2014.09.15	10:41:58
PICT0507.AVI	2014.09.15	10:42:30
PICT0508.AVI	2014.09.15	10:44:12
PICT0509.AVI	2014.09.15	10:46:44
PICT0510.AVI	2014.09.15	10:47:32
PICT0511.AVI	2014.09.15	10:50:12
PICT0512.AVI	2014.09.15	10:51:36
PICT0513.AVI	2014.09.15	10:52:22
PICT0514.AVI	2014.09.15	10:52:56
PICT0515.AVI	2014.09.15	10:54:14
		0433-0430

Date/Time Search

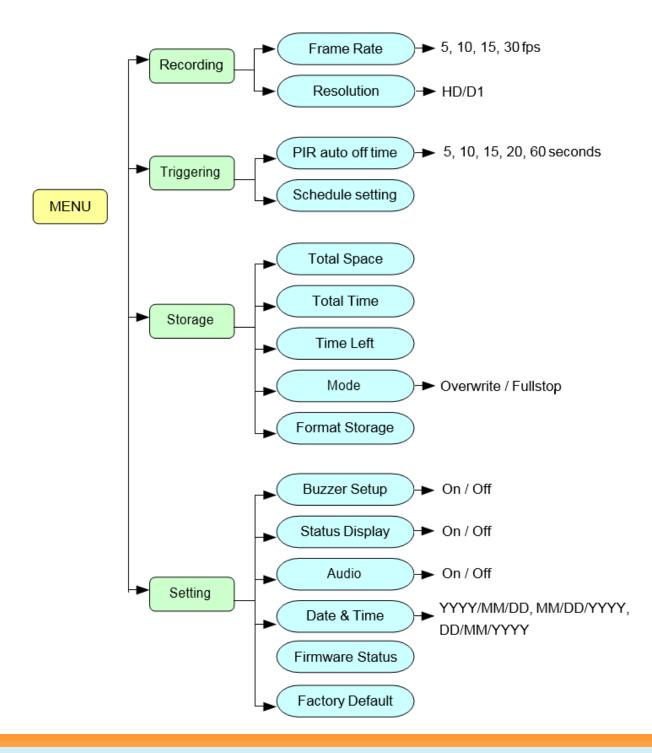
- Press to navigate.
- Press to change the value.
- Press OK to play the file.
- Press at any time to completely exit the Playback menu and return to the Live View.

2014/09/15 17:30





Menu Structure Tree







Additional Battery Information (Xtreme Life® Models)

The battery pack is to be charged with the provided USB cable inserted into either a USB port on a computer, or an A/C adapter (not included) with a USB connection similar to most modern smart phone chargers. While both methods are sufficient, the A/C adapter method will charge the battery more quickly. You can purchase additional battery packs using the part# A1028 through the retail company you purchased your camera(s) from. If they do not have the part# listed on their website, you can call or email them and ask for an A1028 battery.

LED Chart

Power Indicator	<u> </u>	🞽 Blinking	<u>∩</u> Off
	Power on	N/A	Power off
(Red LED)			
Memory Card Indicator (Green LED)	System ready and memory card is working normal	Fast Blinking (0.25s) Memory Card Full Slow Blinking (1s) Recording	Off Memory card is abnormal or not working





Specifications

	-	
Operation Temperature	0°C ~ 50°C (32°F ~ 122°F)	
Video Resolution	HD (1280*720)	
	D1 (720*576 PAL / 720*480 NTSC)	
Video Format	AVI	
Video Compression	H.264	
Video Recording Schedule	Motion / Continuous / None	
Recording Frame Rate	5, 10, 15, or 30 fps	
Playback	1X / Fast Forward / Rewind / Fast Rewind	
Recording Storage	Micro SD Memory Card	
Audio Recording	Optional (Law Enforcement/Export only)	
Audio Output	Analog 1 Channel Output	
Power Supply	5V D/C	
Power Consumption (while recording)	Nominal 2.0W	
Video Storage Mode	Full-stop or Overwrite	
Additional Specifications for Xtreme Life® product line only		
PIR Video Recording Schedule	PIR / Continuous / None	
PIR Post Recording	5, 10, 15, 20, or 60 seconds	
Battery Life	Up to 90 days on standby / 16 hours continuous	





Frequently Asked Questions

Q. How do I playback my video?

A. From the device, you can press the Play button on the provided remote control the play the recorded files back on your television. You must have the output cable plugged in to your television, then select the proper input on your television to display the video from the unit.

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. What happens if there are no video files on my memory card?

A. For Xtreme Life[®] models, the unit is set to PIR detection by default. If you have had no activity, you will not have no video files. For Zone Shield[®] models, please make sure there is power to the camera and your memory card is inserted into the memory card slot, and make sure to do a test recording with the device connected to your television.

Q. Why can't I find my recorded files on my memory card?

A. To directly access your files, you need to remove the memory card from your device and access it from a PC. If the card is not instantly recognized, go to My Computer and search for devices listed as Removable Storage or drives listed as Removable Disk.

Recorded files are saved inside folders on the memory card. As with almost all video and photo cameras, the files are saved inside a folder named **DCIM**. On this camera, the files are actually saved within folders that end in the digits for month and day, found inside the DCIM folder. Within those dated folders, the files are saved in numerical sequence of their occurrence.

Q. How do I reset my unit back to the way I got it?

A. Restoring the unit to its factory default settings can be done in the Menu > Setting > Factory Default > Yes. See page 11.





Q. Why does my device quickly turn off when trying to access the Menu?

A. Any of the following conditions will automatically put the device into sleep mode (Xtreme Life[®] models only):

- No memory card is inserted
- Completely exiting the Menu
- Upon pressing the Menu to exit the Playback mode
- Memory card is full and Storage mode is set to Full-Stop
- · Recording Schedule is set to "None"

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

A. Most memory cards, of up to and including 64GB 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 or PIR dectection.

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. Be sure that the camera is not recording while powering down, as this can corrupt the video file it was trying to record or corrupt the whole memory card.





For units that have Night Vision (IRs); not all 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

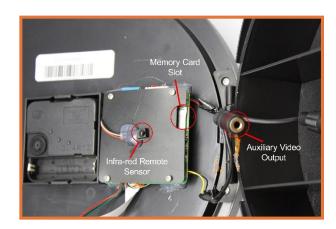




Pictures

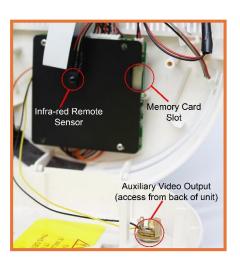
Wall Clock





Smoke Detector

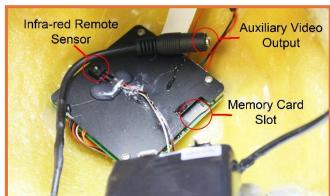




Rock





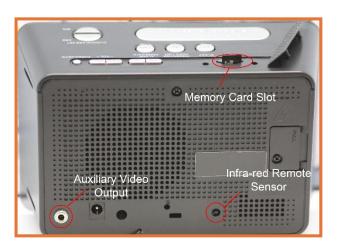






Clock Radio





Bluetooth Speaker





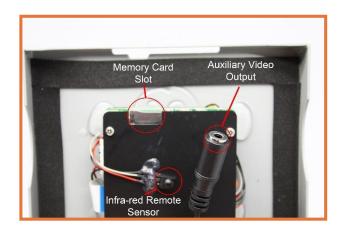






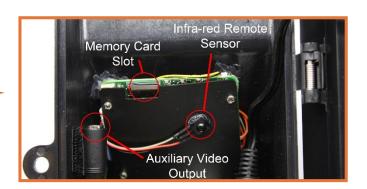
Electrical Box





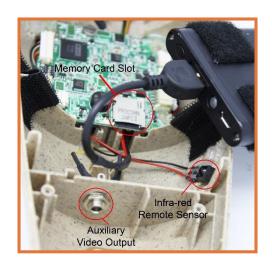
Outdoor Power Strip





Air Freshener



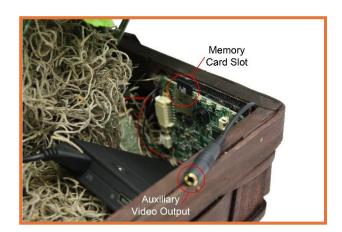






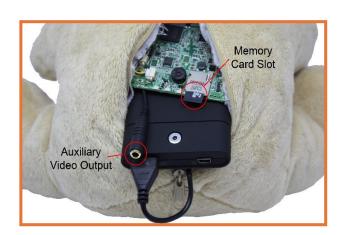






Teddy Bear

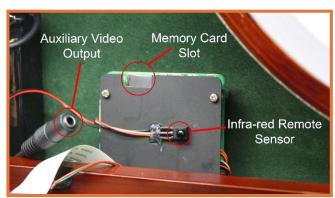




Mantel Clock



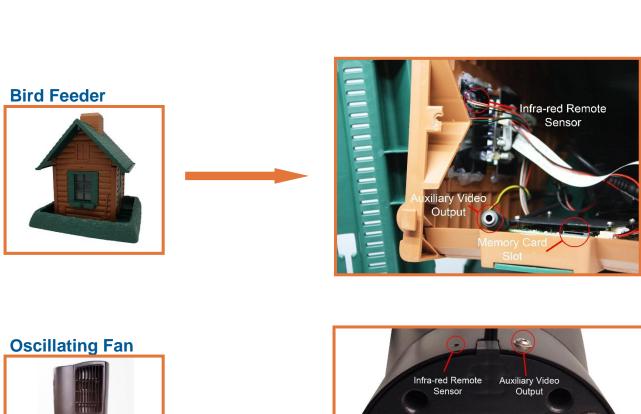










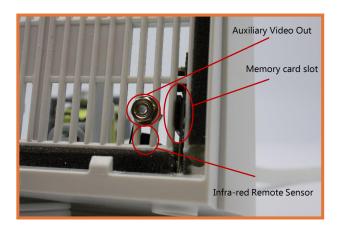






Air Purifier

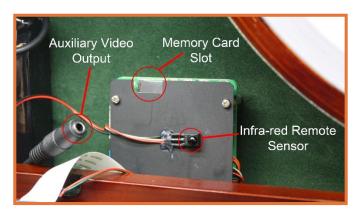




Rectangle Clock











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

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 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 EXPESS 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.