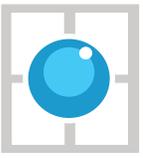


# ZONE SHIELD<sup>®</sup> DVR

Hidden Video by SleuthGear<sup>®</sup>

## Manual (standard & night vision models)

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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 ~ +40°C(32 ~ 104°F).

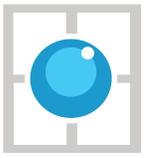


**Do not bring** the device suddenly from a hot to a cold place, or vice versa. This may cause damage to the inside of the unit by creating condensation.



**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.



# ZONE SHIELD<sup>®</sup> DVR

Hidden Video by SleuthGear<sup>®</sup>

## Includes

- Zone Shield<sup>®</sup> By SleuthGear<sup>®</sup> Device
- Memory Card
- Remote Control
- Video Cable
- CD with provided Media player and manual

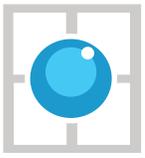


## Introduction

Thank you for purchasing your Zone Shield hidden camera system, before you get started, allow us to introduce you to some of the main components of your hidden camera. Zone Shield DVR by SleuthGear was designed as a standalone digital recording system for you to quickly deploy when you need to protect what matters. We incorporate a built in DVR Recording System capable of recording up to 50 hours of video on a memory card, a customizable user friendly Interface, and Multiple Recording options making the Zone Shield Hidden camera solution, you can use it as a simple motion activated system to a fully customizable recording system the choice is there to meet your specific recording requirements.

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

**We invite you to explore the Quick Setup Guide below to learn more about how to operate your Zone Shield hidden camera.**



## Quick Setup Guide

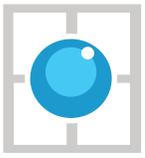
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1. Take the unit from box and ensure you have received all included items.
2. Open the device to insert the memory card into the memory card slot and connect the power supply.
3. To confirm the device is ready, connect the provided video cable from the unit to your TV video input 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. Once the power is turned on and the device recognizes the memory card, the DVR will begin to record based on activity detected by the camera.

## Features

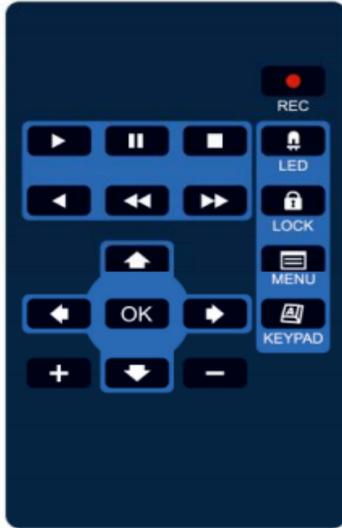
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- 720 x 480 Resolution Offers Valuable Video Clarity
- Adjustable Frame Rate and Quality settings for flexible storage utilization
- Continuously Powered Camera Systems
- Night Vision - Hidden IR Lights Help Your Camera Capture Video at Night (select models)
- Multiple recording Modes Allow Users to Schedule Their Most Important Recordings
- User Friendly Interface Offers Adjustable Software Settings
- Time/Date Stamped Files
- Memory Card Recording for Portable, Transferable Storage - up to 32GB
- Two choices for file management: No-Overwrite keeping all videos once card is full, or Overwrite oldest video when space is needed
- Secure Video Files Protect Your Recordings Against Unwanted Viewing (TL Player Required for Playback)
- When Privacy Matters Our Completely Concealed Cameras Hide in Plain Sight
- No Visible Wires
- 1 Year Manufacturer's Warranty



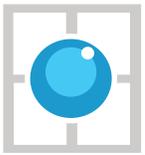
## Setup

### Remote Control Diagram



*NOTE: The LED Button will turn off the lights on the DVR board.*

Icon Button	Function	Description(s)
	Panic Record	Universal password: UP/UP/DOWN/DOWN/+/+/-/- Start to Record manually. Press again to cancel recording mode.
	KEYPAD	Remote control key lock / unlock. Locks the buttons from accidental operation.
	Lock	Enter or exit the Settings Menu.
	MENU/Exit	Navigate: All sub-menus except Date/Time Change Settings: Date/Time
	UP (2)/DOWN (4)/LEFT (5)/ RIGHT (3)	Menu navigation and settings changes – varies by menu.
	Enter	Confirm selection
	Plus (6); Minus (7)	Enter the Playback Menu or play video 1X forward.
	Play	Pause video playing.
	Pause (8)	Stop video playing.
	Rewind	1X rewind.
	Fast forward (0)	1X / 2X / 4X / 8X fast forward
	Fast rewind (9)	1X / 2X / 4X / 8X fast rewind
	Stop	Turn DVR LED light indicators on or off(see page 12 for chart)



## Menu & Settings

### 1. Main Menu:

- ▶ Press  to enter **MAIN MENU**
- ▶ Press   to select item.
- ▶ Press   to enter the selected item

#### MAIN MENU

CHANNEL SETUP  
DATE/TIME SETUP  
SD CARD SETUP  
RECORD SETUP  
PERIPHERAL SETUP  
SYSTEM SETUP

### 2. Date/Time Setup:

- ▶ Press   to select item.
- ▶ Press   to change the value.
- ▶ Display Format: YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY
- ▶ Time Format: 12H/24H

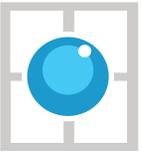
#### DATE/TIME SETUP

DISPLAY FORMAT:YY/MM/DD  
TIME FORMAT: 12H  
YEAR: 2000  
MONTH: 01  
DAY: 06  
HOUR: 21  
MINUTE: 06  
DAYLIGHT SAVING TIME SETUP

- ▶ Press   to select item.
- ▶ Press   to change the value.

#### DAYLIGHT SAVING TIME SETUP

TURN: OFF  
START TIME  
MONTH: 04  
DAY: 02  
HOUR: 00  
END TIME  
MONTH: 11  
DAY: 04  
HOUR: 00



### 3. SD Card Setup:

- ▶ Press   to select item.
- ▶ **SD CARD INFORMATION:** Press  to enter.
- ▶ **SD REC MODE:** Press   to change mode (FULL STOP: OVERWRITE).
- ▶ **SD FORMAT:** Press  to enter.

#### SD CARD SETUP

SD INFORMATION  
SD REC MODE: OVERWRITE  
SD FORMAT  
AUTO FORMAT: ON

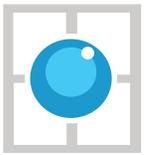
#### SD CARD INFORMATION

TOTAL: 1.84 GB  
REMAIN: 1.83 GB (100%)

- ▶ Press   to change mode.

#### FORMAT SD

FORMAT SD: NO  
PRESS ENTER KEY TO RUN



## 4. Record Setup:

▶ Press to select item.

▶ Press to enter the selected item.

▶ Press to enter the selected item.

▶ Press to change the value.

▶ Press to change value.

▶ **FRAME RATE:** H264 30(N)/25(P); H264 15(N)/12(P); H264 8(N)/6(P).

▶ **QUALITY:** Super/ Low/ STD/ High.

▶ Press to change value.

▶ **FRAME RATE:** H264 30(N)/25(P); H264 15(N)/12(P); H264 8(N)/6(P).

▶ **QUALITY:** Super/Low/STD/High.

▶ **SENSITIVITY:** High/Med/Low.

### RECORD SETUP

RECORD MODE  
CONTINUOUS RECORD  
MOTION RECORD  
PANIC RECORD  
ALARM RECORD

### RECORD MODE

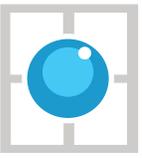
AM                      PM  
0 - - 3 - - 6 - - 9 - - 0 - - 3 - - 6 - - 9 - -  
MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM  
M: MOTION                      P: PANIC  
C: CONTINUOUS                      A: ALARM

### CONTINUOUS RECORD

FRAME RATE: H264 30 (N) / 25 (P)  
QUALITY: SUPER

### MOTION RECORD

FRAMERATE: H264 30 (N) / 25 (P)  
QUALITY: SUPER  
SENSITIVITY: HIGH  
POST-RECORD: 10 SEC  
PRE-RECORD: ON



## 5. Record Setup:

▶ Press   to select item.

▶ Press  to enter the selected item.

▶ Press   to change cursor.

▶ Press   to change value.

▶ Press   to change value.

▶ Press   to change cursor.

▶ Press   to change value.

### SYSTEM SETUP

DVR ID  
FACTORY DEFAULT  
FIRMWARE UPGRADE  
PASSWORD SETUP

### DVR ID

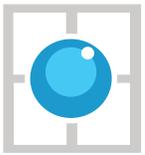
ID: \_ \_ \_ \_ \_

### FACTORY DEFAULT

LOAD DEFAULT: NO  
PRESS ENTER KEY TO RUN

### PASSWORD SETUP

ENTER PASSWORD: \* \* \* \*



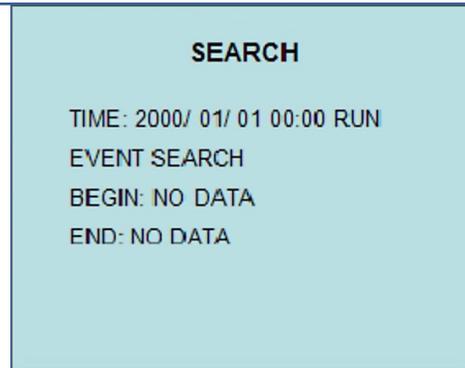
## Playback

### Via device

Press  on the remote control to get into playback menu

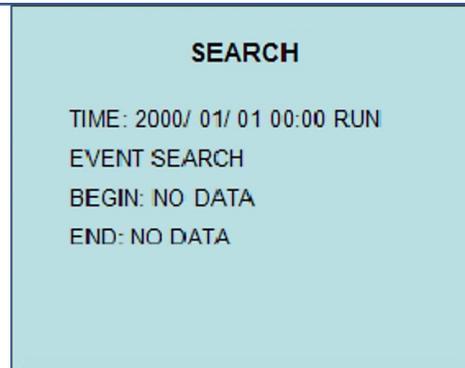
#### • Playback Mode

- ▶ Press  to enter **SEARCH MENU**.
- ▶ Press   to select item.
- ▶ Press   to change value.
- ▶ Press  to run.



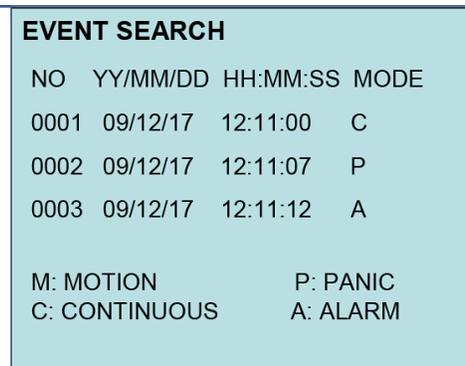
#### • Time Search

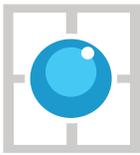
- ▶ Press   to change value.
- ▶ Press  to run.
- ▶ Press  to go back to **SEARCH**.
- ▶ Press  to go back to Live Video.



#### • Event Search

- ▶ Press   to select item.
- ▶ Press  to playback the event.



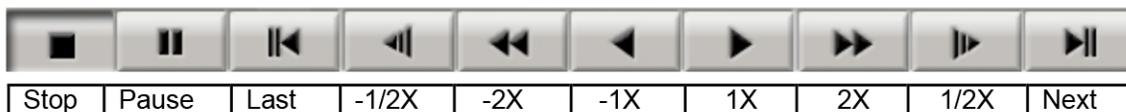


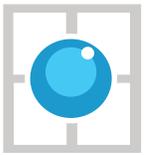
## Via computer



	Search Files		Backup DVR file
	Login		Select Path (Open File)
	Enter	Backup format <input type="radio"/> DVR <input checked="" type="radio"/> WMV <input type="radio"/> JPG <input type="radio"/> AVI	Video Backup Format
	Set Start Time		Set End Time
	Export backup file		Cancel
Display information <input checked="" type="radio"/> On <input type="radio"/> Off	Time /Date on	Date format <input checked="" type="radio"/> yyyy/mm/dd <input type="radio"/> dd/mm/yyyy <input type="radio"/> mm/dd/yyyy	Time/Date format
Time/Date position <input type="radio"/> Top Left <input checked="" type="radio"/> Bottom Right	Time/Date top left		Change account and password
	Multiply 32 times the original sped		Save JPEG picture
	Print		Enhance the resolution
	Audio Adjust		Mute

Playback control bar:

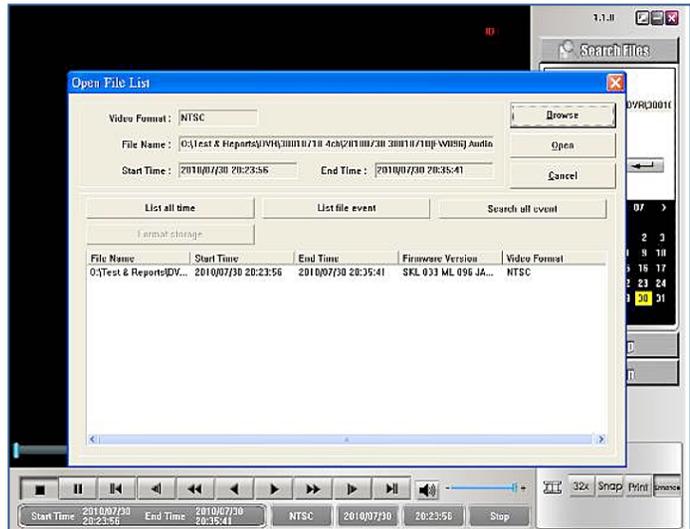


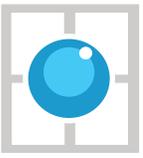


# ZONE SHIELD<sup>®</sup> DVR

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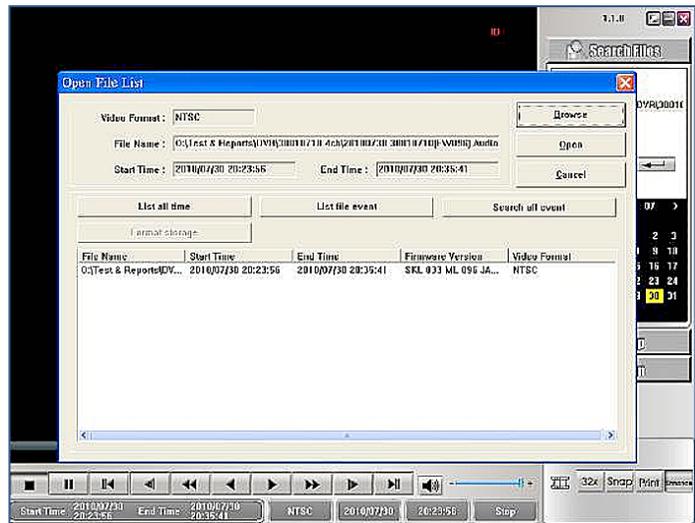
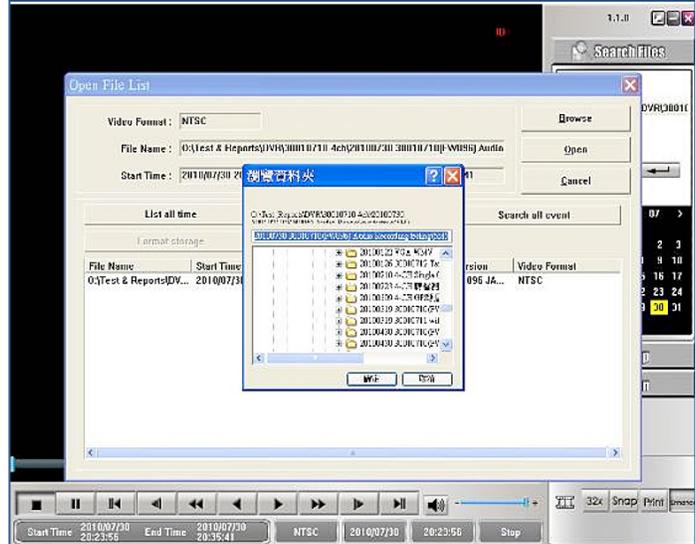
## Search Files

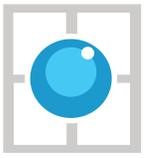




## Search Files (continued)

- ▶ Select a folder with DVR files and press "OK."
- ▶ Double click the selected recording file to playback or click the selected recording file and press "Open" to playback.
- ▶ File searching method:
  - **LIST ALL TIME:** list all the recording sessions in the folder you browse.
  - **LIST FILE EVENT:** list the event which you select in "**LIST ALL TIME.**"
  - **SEARCH ALL EVENT:** list all the events in the folder you browse (max. 1000 events).
  - **FORMAT STORAGE:** Format memory card.





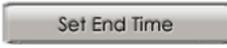
## Backup Files

▶ Press  and choose backup format (DVR/ WMV/ AVI/ JPG) and choose backup channel.

- Backup as DVR format: Can only backup four channels.
- Backup as WMV/ JPG format: backup four channels or individual channel.
- Backup as AVI format: backup four channels or individual channel; backup resolution as CIF or D1.



▶ During the playback, you can press  to set start time to backup file.

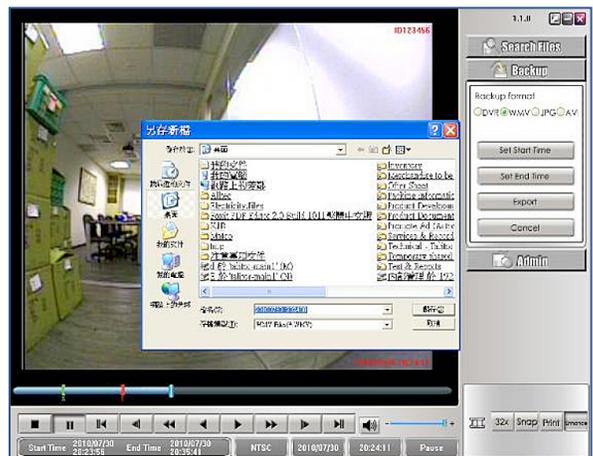
▶ Then, press  to set end time to backup file.

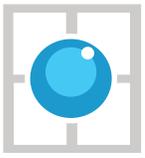
- Green bar: backup start time.
- Red bar: backup end time.



▶ Press  to export backup file to PC.

▶ Press  to cancel Backup Start time and End time.





## Playback files

- ▶ Move the mouse cursor to the place you want to enlarge. Right click to zoom in. Right click again to go back to the original .



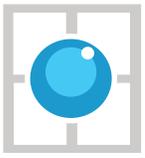
## Admin

- ▶ Click  to access the login dialog box, then key in account and password.
- ▶ **Default: root/ root**



- Display information: On/Off
- Date format: yyyy/mm/dd  
dd/mm/yyyy  
mm/dd/yyyy
- Time/Date position: Top Left/ Bottom Right





## Admin (continued)

- ▶ Press **Change Password** to change account and password in Admin area.

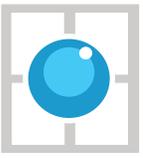
*Note: keep new password in a safe place as it can not be recovered.*



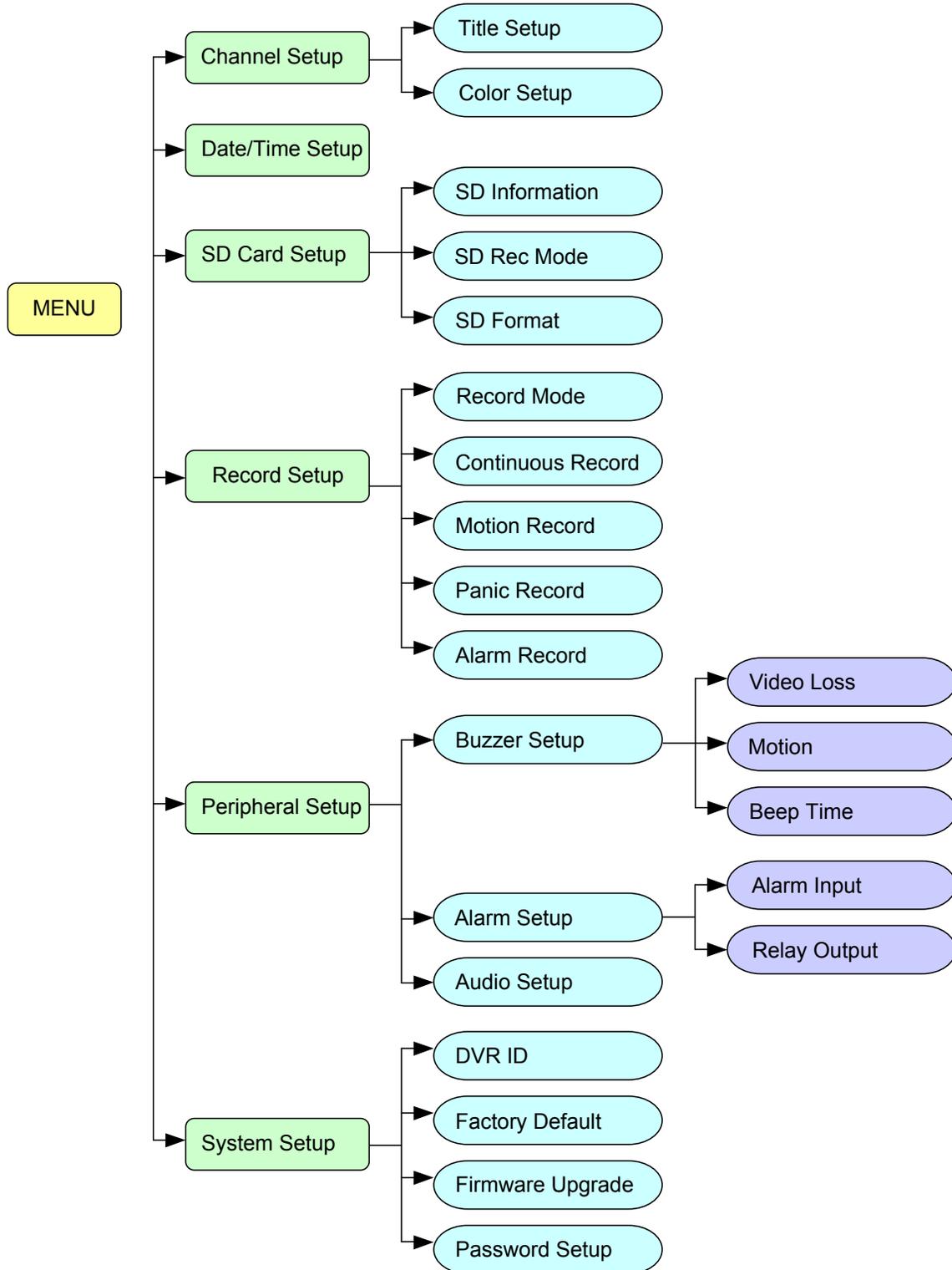
**Make a note of your password below**

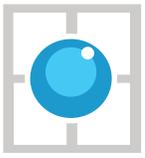
**User** \_\_\_\_\_ **Password** \_\_\_\_\_

**Default Password 1234**



## Menu Structure Tree

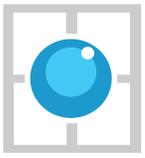




## Recording Capacity Chart

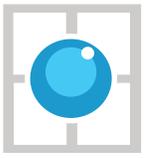
- Memory card times are approximate
- Recording mode: continuous recording.
- Frame rate: 30 (NTSC)/25 (PAL).

Compression	Quality	1GB	16GB	32GB	64GB
H4L	Low	53 min	14 hour	28 hour	56 hour
H4L	STD	46 min	12 hour	24 hour	48 hour
H4L	High	38 min	10 hour	20 hour	40 hour
H4L	Super	33 min	9 hour	18 hour	36 hour
JPG	Low	34 min	9 hour	18 hour	36 hour
JPG	STD	29 min	8 hour	16 hour	32 hour
JPG	High	23 min	6 hour	12 hour	24 hour
JPG	Super	21 min	5.6 hour	11.2 hour	22.4 hour



## Specifications

Operating System	Non-OS
Video input format	NTSC or PAL (Auto-detect)
Video Compression	H.264
Menu OSD	English
Record Resolution	720x480 (NTSC) / 720x576 (PAL)
Recording Frame Rate	6/8, 13/15, 25/30 fps
Video Recording Mode	Schedule continuous, Schedule motion, Schedule alarm, Panic
Pre-recording	Supported
Post recording	Yes - 10 sec
Audio recording	Yes - optional
Playback mode	Via device itself or bundled software on PC
Playback	Fast Forward, Backward: x2/ x4/ x8, Frame by Frame
Playback Search	By Time, By Event
Recording Quality	Super, High, Normal, Standard
Time/Date Stamp	Yes
Time Date Stamp Format	(1) yy-mm-dd, (2) dd-mm-yy, (3) mm-dd-yy, selectable by OSD
Daylight Saving Time	Yes
Recording Storage	Micro SD card
Control	IR remote control
Power Supply	12VDC
Power Failure	Auto Recovery
LED	Power (Red)/Recording (Green & Yellow)
Firmware Upgrade	Yes - through memory card
Buzzer	Yes
Operation temperature	0~+50°C (32~+122°F)
Image Sensor	1/4" SOC Sensor
Effective Pixels	640x480
Sensor Scan Mode	54MHz Progressive
Lens	2.5mm Fish Eye or 2.1mm Peak Cone
S/N Ratio	> 45dB
Sensitivity	> 11.5V/lux-s at 550nm
White Balance	Auto Tracking White Balance
Viewing Angle	62 degree
IR Filter	940nm



## Frequently Asked Questions

---

### **Q. When I change the time of a scheduled recording, why it does not change?**

**A.** Before you can change a recording time you must first reset it to "From 00:00 to 00:00", then you will be able to change it.

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

**A.** Please use only the provided software on the enclosed CD, TL Player.

### **Q. No video/Blue Screen?**

**A.** When viewing from a computer, make sure you have properly inserted the micro SD card into the large memory card adapter that came with your accessories. You may have a defective card, please try another memory card. Also, check to see if the switch on the side of memory card adapter is in the "Lock" position. If so, make sure to switch it to un-locked. Always make sure you have inserted the SD card in the unit prior to powering it on.

### **Q. What happens if there are no video files on my Memory Card?**

**A.** The unit is set by default to motion, if you have had no activity, you will not have any video files. To change the default recording settings, please see pg 8. You may also need to reformat your memory card.

### **Q. I can't find my video files?**

**A.** You need to access your memory card on your PC. Go to 'My Computer' and find devices or drives labeled 'Removable Storage'. Once you find the correct device or drive, open the .dvr file.

### **Q. How do I playback my video?**

**A.** You can press the play button on the provided remote control to play the recorded files back on the device. To view them, you must have the video output cable plugged into your television or monitor, selecting the proper input on your TV or monitor to display the video feed from the unit.

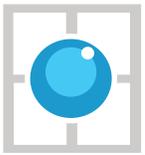
### **Q. How do I Reset my unit back to the way I got it?**

**A.** Restoring the unit to its factory default settings can be done using the Factory Default function, please see pg 9.

**For units that have Night Vision (IR's); not all Zone Shield<sup>®</sup> 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 location to test the video quality. You will experience pixilation with any night vision camera. SleuthGear<sup>®</sup> strives to maintain a balance between creating a reliable hidden camera and recording in extreme low light conditions.

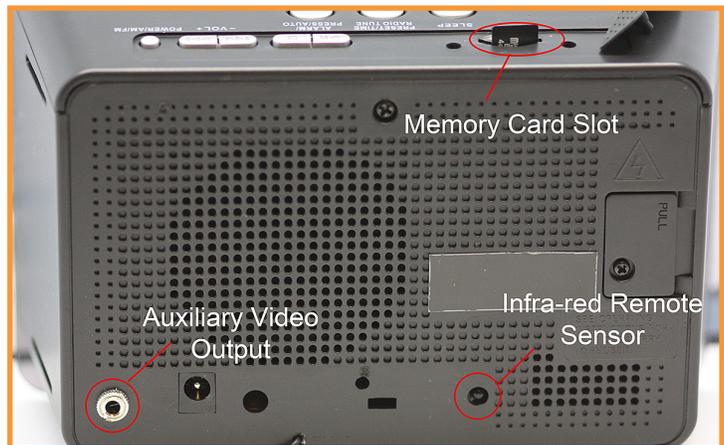
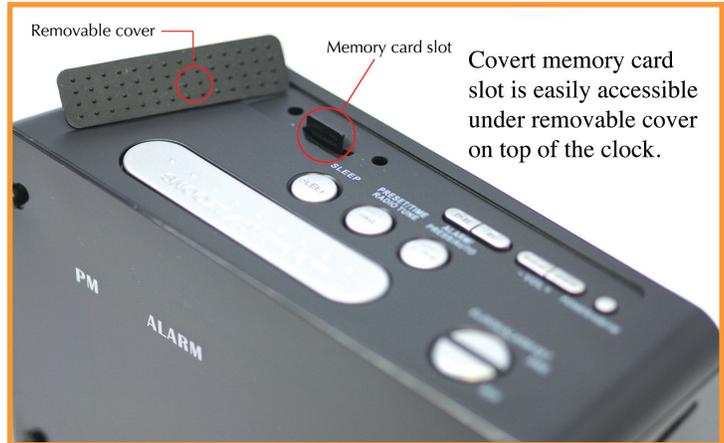


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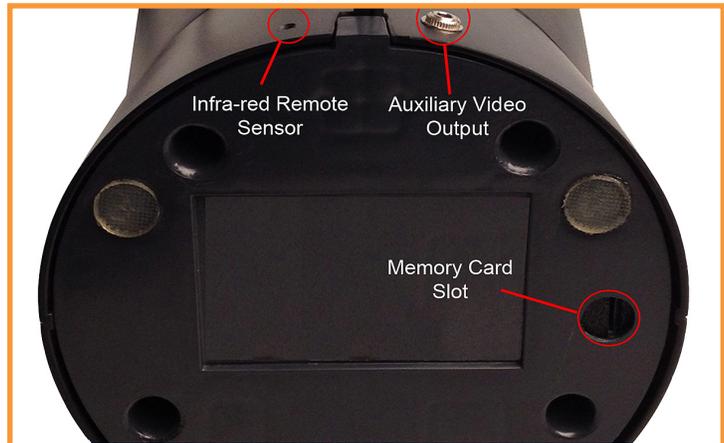
Hidden Video by SleuthGear<sup>®</sup>

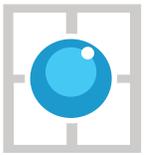
## Pictures

### Clock Radio



### Oscillating Fan



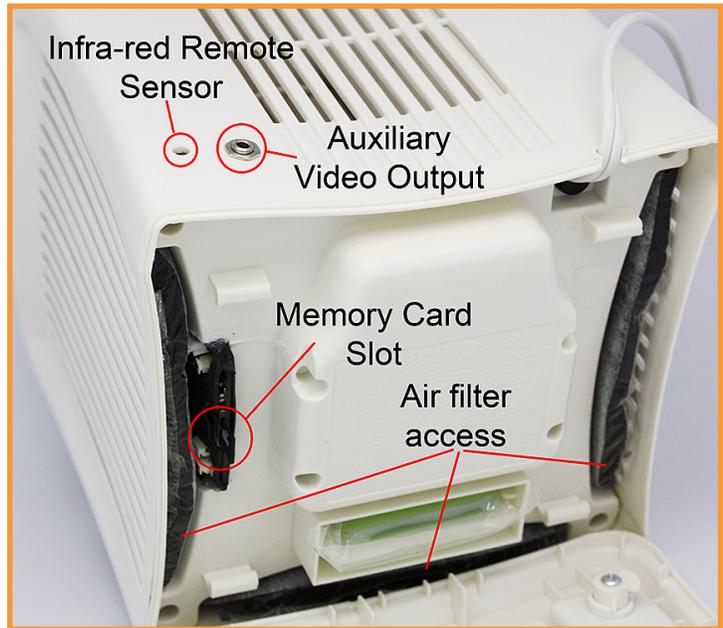


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Hidden Video by SleuthGear<sup>®</sup>

## Pictures

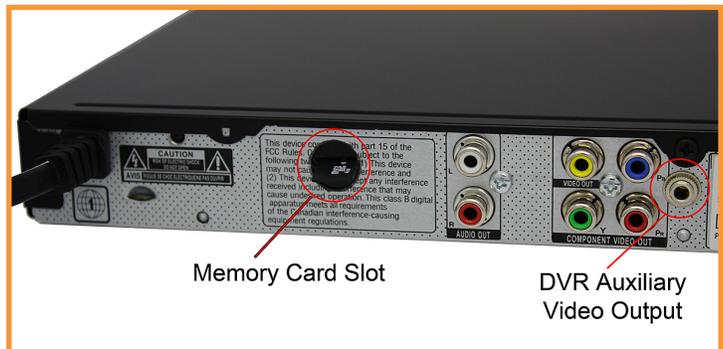
### Air Purifier

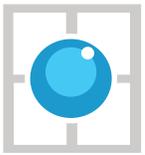


### Floor model Air Purifier



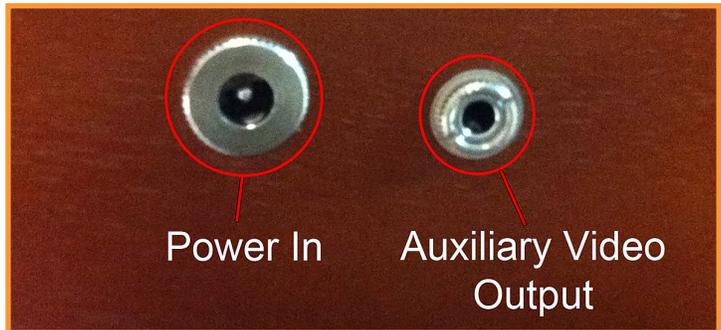
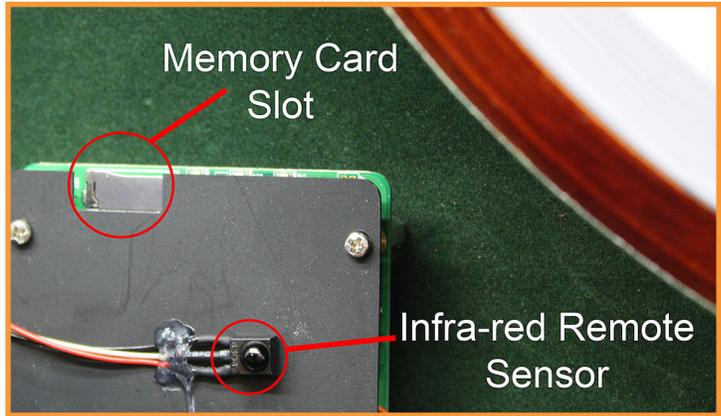
### DVD Player



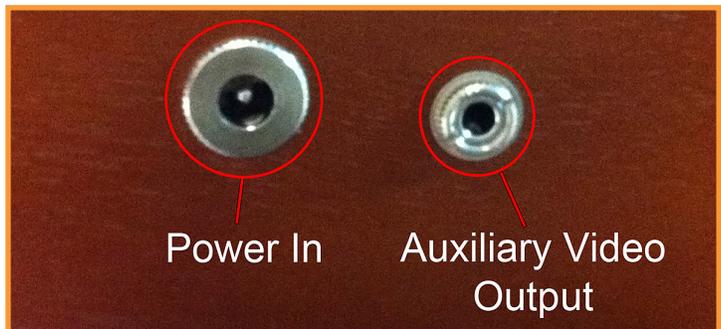
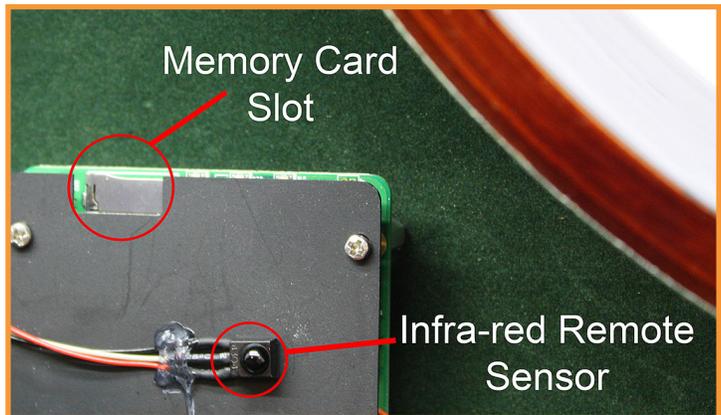


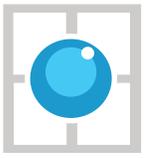
## Pictures

### Mantel Clock



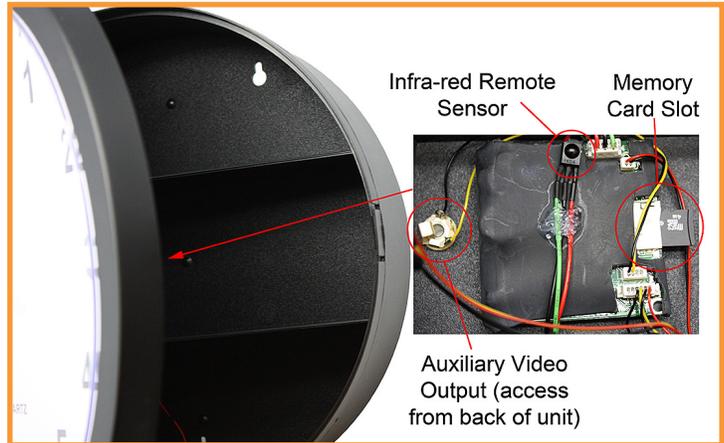
### Rectangle Clock

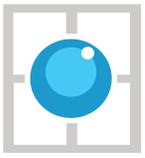




## Unit Pictures and Diagrams

### Wall Clock





# ZONE SHIELD<sup>®</sup> DVR

Hidden Video by SleuthGear<sup>®</sup>

## Warranty & Disclaimers

Manufacturer warrants all Covert Video and Sleuth Gear 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.