

**Swann Technical Support**

All Countries E-mail: tech@swann.com.au

**FCC WARNING STATEMENT**

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference and  
(2) this device must accept any interference received, including interference that may cause undesired operation

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**WARNING: IMPORTANT NOTICE ABOUT CORRECT USE OF POWER ADAPTER**

The correct orientation for the enclosed power adapter is in a vertical or floor mount position.



L'orientation correcte pour l'adaptateur secteur fourni est dans une position verticale ou plancher-monte.

La orientación correcta para el adaptador eléctrico incluido es en posición vertical o instalado en el suelo.

See <http://www.worldtimeserver.com> for information on different time zones and the time in Melbourne Australia compare to your local time.

**Warranty Information**

Swann warrants this product against defects in workmanship and material for a period of one (1) year from it's original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The repair or replacement will be warranted for either ninety days or the remainder of the original one year warranty period, whichever is longer. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin. The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferrable to any third party.

Unauthorised end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.



[www.swannsecurity.com](http://www.swannsecurity.com)



English

**RedAlert™**  
**Wireless Security Kit**  
Single Channel Digital Security Recorder



**Swann Helpdesk**  
Has the answers

**If this device does not work when you first plug it in, do not take it back to the store.**



Contact the Swann Helpdesk using our fast e-mail service tech@swann.com.au or call us on one of the Toll-Free numbers shown on the back cover of this booklet.



Most problems can be quickly and easily fixed with a simple e-mail or a quick chat with one of our friendly technical staff. (Toll-Free available in the US and Australia only)

**Installation Guide**

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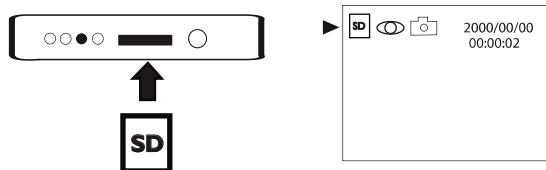
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### Package Contents

- |                      |                                 |
|----------------------|---------------------------------|
| - RedAlert DVR       | - Wireless Outdoor Camera (WOC) |
| - Antenna            | - WOC Power Supply              |
| - DVR Power Supply   | - SD Card                       |
| - Instruction Manual | - Video Out Cable               |
| - Easy Setup Guide   | - Video In Cable                |

### Using the SD Card Slot

Insert an SD card with label facing up into the RedAlert DVR. The DVR can handle SD cards up to 2GB. Once the card is inserted the DVR will save recordings to the SD card. You can playback images on a monitor directly from the RedAlert or insert the card into a card reader on your computer to view recordings. Recordings are saved as AVI for videos and JPEG for still images.



**Note:** When an SD card is inserted, an icon appears showing it is detected by the RedAlert. All images will now be recorded to the SD card.

If onboard memory or SD memory is full, the DVR will automatically overwrite the oldest images or video first ensuring the DVR keeps recording.

### RedAlert DVR Specifications

- 1 Video Output
- 1 Video Input
- Wireless Channel Frequencies: 2414, 2432, 2450 & 2468MHz
- Built in 4 CH Wireless Receiver (DVR records only 1 camera at a time)
- Operating Power: 5V DC
- Preset to NTSC or PAL Depending on Region (manually adjustable)
- 16MB internal memory
- Output Format - AVI, JPEG
- Maximum SD Capacity - 2GB
- Recording Format: AVI Video 10s
- JPEG images
- Recording Resolution: JPEG 640 X 480
- AVI 320 X 240

### Wireless Outdoor Camera Specifications

- Channels: 2414, 2432, 2450 & 2468MHz
- Operating Power: 8/9V DC
- Power Consumption: 65-110mA
- Size: 54 x 43mm (2<sup>1</sup>/<sub>8</sub>" x 1<sup>7</sup>/<sub>10</sub>" )
- Antenna: Omni-directional
- Transmitting Range: 20-30m (conditions may limit)
- Weight: 7<sup>3</sup>/<sub>4</sub>oz (220 grams)
- Operating Temperature: 32° - 122°F ~ (0° - 50°C)
- Sensor: 1/3"(8.5mm) Color CMOS
- Horizontal Resolution: 380 TV lines
- Minimum Illumination: 1 Lux@ f1.2
- Lens: (5.6mm) 60 degrees

**NOTE:**

All jurisdictions have specific laws and regulations relating to the use of cameras. Before using any camera for any purpose, it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and to comply with the applicable laws and regulations.

The legality of watching people other than yourself changes from country to country and even state to state. Contact your local government's privacy information body or your local Police for more information on what if any restrictions you may face.

### Troubleshooting Your Wireless Outdoor Camera

#### Poor Picture:

Realign antennas until image quality improves, slightly adjust the position of the Camera or Receiver. Change the location of the Camera, or use a different height or angle to see if the image improves. In some cases interference may be caused by another device on a similar frequency to the channel you are using.

#### Lines only - no clear picture:

Check to confirm there is no microwave oven or other 2.4GHz equipment operating close by ie; Cordless Telephones, Wireless Baby Monitors, Wireless LAN equipment etc . Make sure the Receiver is on the correct channel.

#### Picture ghosting or interference:

Some home appliances such as Wireless LANs, 2.4GHz portable telephones and Microwave ovens operate on or near the 2.4GHz frequency. If you receive interference from such an appliance, try moving the Camera or Receiver to location further away from the appliance or in the event of interference from a Wireless LAN device, try changing the Wireless LAN to a different channel to improve the signal quality.

#### No picture:

Check the receiver to confirm it is turned ON and make sure the A/V connection of the Receiver is not plugged into the Audio Out socket. Make sure the Receiver is on the correct channel. Check to ensure the camera is plugged in and has power. Check that the channel on the receiver is the set to Channel x.

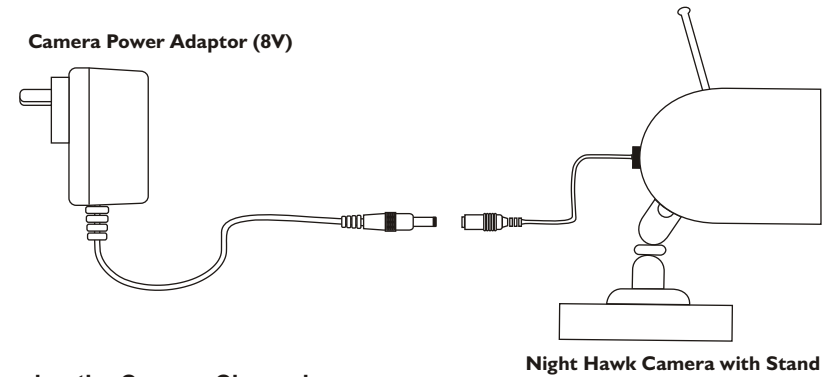
#### Red haze over picture:

In some cases where the sun shines into the front of the camera a faint red glow can be seen. Move the camera to a shaded location, or fit a hood to stop sunlight entering the camera lens directly.

#### Foreground is dark while background is too bright:

If the camera is looking from a dark area towards a light area in some cases the automatic exposure can find it difficult to balance the image correctly. Change the location of the camera so that the point of greatest interest has the largest area of the image.(if you want to see the bright area, move the camera so that almost all of the screen shows this area. If you want to see the darker area, move the camera so that most of the image shows this area.

### Connecting the Camera Power Supply



### Changing the Camera Channels

Fig. (1)

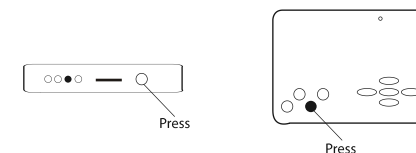
Fig. (2)

	Channel 1 Both switches up 2414MHz
	Channel 2 Left up & Right down 2432MHz
	Channel 3 Left down & Right up 2450MHz
	Channel 4 Both switches down 2468MHz

Changing these switch settings changes the frequency that the camera transmits on. Once you have set the channel on the camera, select the same channel on your RedAlert. If you experience interference try different channels. Make sure multiple cameras are set to different frequencies so you can use them in the same area with the DVR.

### Changing the Wireless Camera Channel on Your DVR

To change wireless channels on your DVR, push the SET button on the front casing. The light indicates the current wireless channel i.e. CH1, CH2, CH3, CH4. Push the display button (DISP) to change views between your wired and wireless cameras.



### Changing Cameras and Viewing 2 Cameras PIP (Picture-in-Picture)

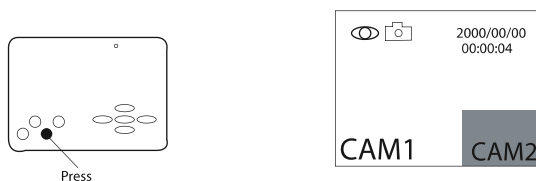
The RedAlert DVR can display a wired and wireless camera in PIP mode. Note when viewing PIP only the main full screen image will be recorded.

#### To switch cameras and view PIP

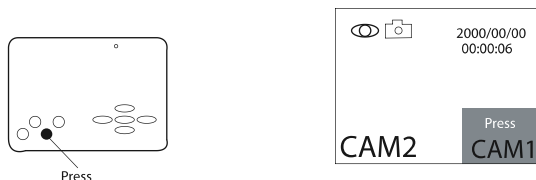
1. Press the **Display** button once to switch camera views between your wired and wireless cameras.



2. Press the **Display** button again to view both cameras in PIP mode.

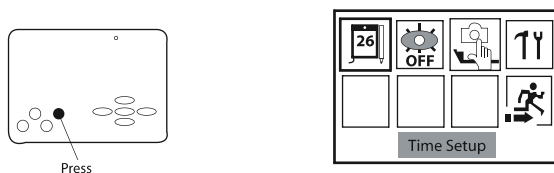


3. Press the **Display** button again to swap camera views.

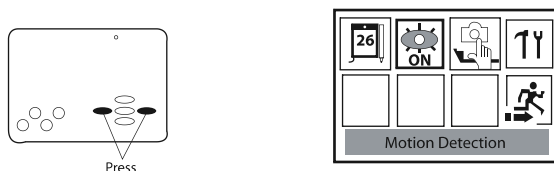


#### Motion Detection Setup

1. Press the **Menu** button to enter menu interface.



2. Press **Left/Right** to highlight the **Motion Detection On/Off** option.



### Connecting additional wireless cameras

The RedAlert DVR is capable of receiving up to 4 wireless cameras. Note only the displayed camera can be recorded. The DVR operates on the following frequencies: CH1 - 2414MHz, CH2 - 2432MHz, CH3 - 2450MHz, CH4 - 2468MHz.

Push the Set button on the front of the RedAlert to change wireless camera channels. The light indicators show the active wireless channel. Push the display button (**DISP**) to switch between wired and wireless camera mode.

#### Achieving the best wireless signal

Depending on local conditions wireless signals may vary. A clear line of sight from the DVR to the camera will achieve the best image. Walls, metals and other wireless devices may impact the quality of an image. If too much interference occurs on any channel, move the camera or DVR to another location or change camera channels.

#### Tips and Shortcuts

The RedAlert unit has 16MB of memory installed for viewing saved images on your monitor only. For additional storage an SD card is strongly recommended. The unit will accept standard SD cards up to 2GB in size.

Transfer your images from the SD card to your computer via a card reader (not included). Video files are saved as AVI files and photos are saved as JPEG files which can be read by the most computers.

The DVR can record 1 camera at a time, i.e. 1 wired camera or 1 wireless camera.

If motion detection does not appear to detect your subject, lower the sensitivity or **Target Value** as described on page 8 and try expanding the region of motion or bounding box size as described on page 6.

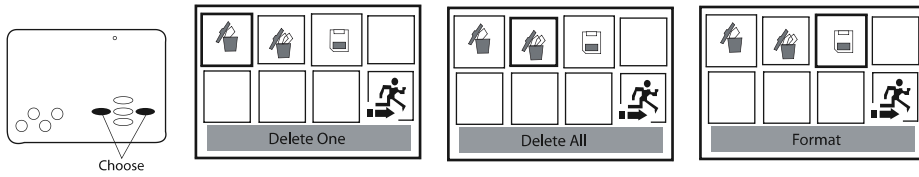
Use the **Up Arrow** to quickly turn motion detection on or off when viewing a live image.

Use the **Down Arrow** to switch between photo and video recording when viewing a live image.

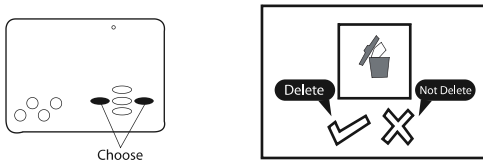
Consult the Easy Setup Guide for information on camera connections.

For assistance with this product contact Swann Technical Support on **1-800-627-2799** in USA or **1300 13 8324** in Australia. Alternatively, email us at [tech@swann.com.au](mailto:tech@swann.com.au)

4. Press **Left/Right** to highlight the desired option (**Delete One, Delete All, Format, Exit**) and then press **OK** to confirm the selection.



5. Press **Left/Right** to select **Confirm (check)** or **Cancel (X)** option, and then press **OK** to select.

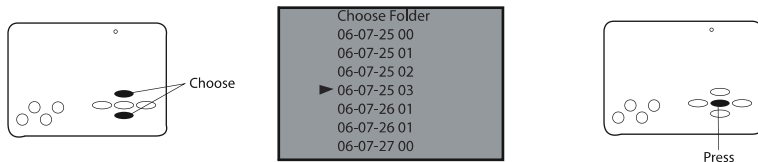


### Changing Folders

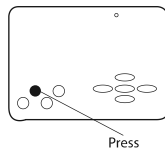
1. While in playback mode press the **Display** button to bring up the folder listing.



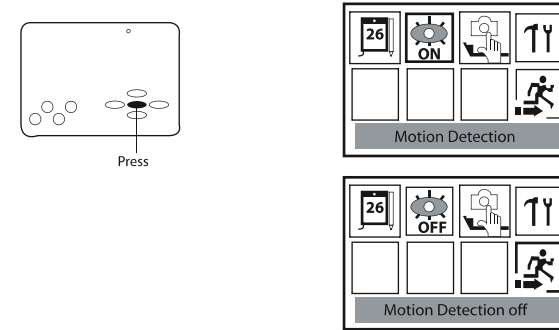
2. Press **Up/Down** to choose the folder you want to see, and then press **OK** to confirm.



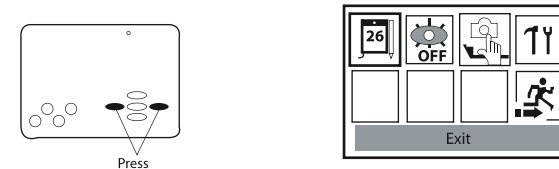
5. Press **Mode** to exit playback and return to live view.



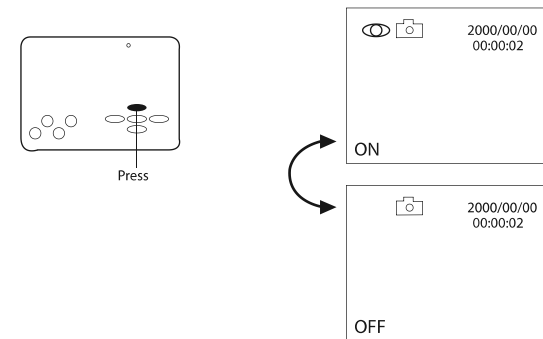
3. Press **OK** to toggle Motion Detection ON or OFF.



4. Press the **Left/Right** buttons to highlight **Exit** and then press **OK** to exit the menu.



**SHORTCUT:** When viewing your camera press the **UP** arrow to quickly toggle Motion Detection ON/OFF.



### Choosing Video or Photo Recording

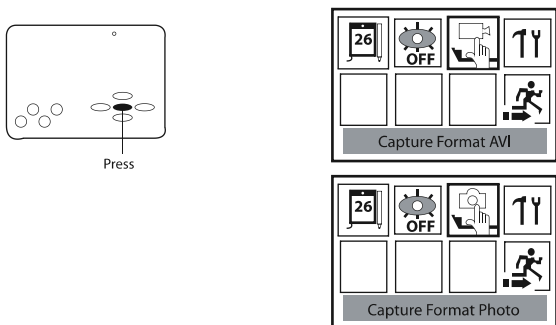
1. Press the **Menu** button to enter menu interface.



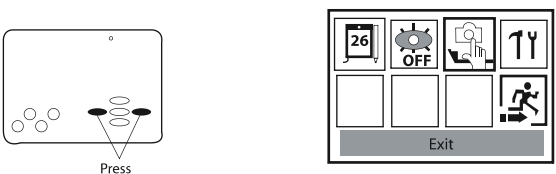
2. Press the **Left/Right** buttons to highlight **Capture Format Photo/AVI (Video)**.



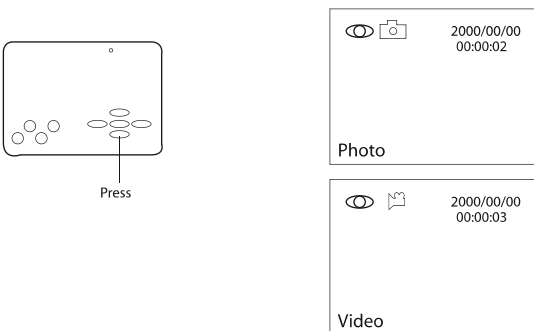
3. Press **OK** to toggle Photo or AVI (video) recording.



4. Press the **Left/Right** buttons to highlight **Exit** and then press **OK** to exit the menu.

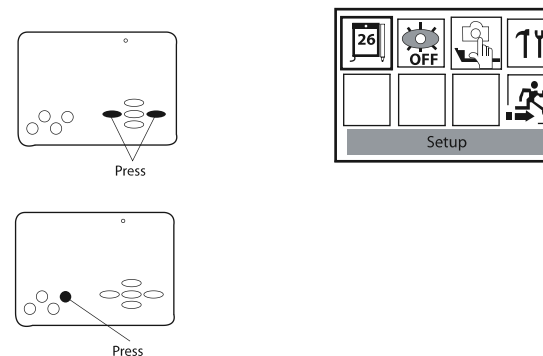


**SHORTCUT:** When viewing your camera press the **DOWN** arrow to quickly toggle between Photo or Video.



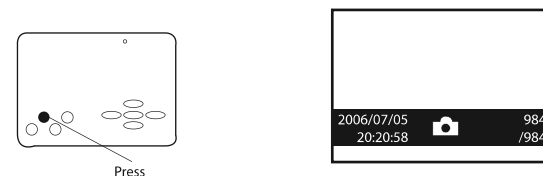
11. Press **Left/Right** to highlight the **Exit** option and then press **OK** to return menu interface.

**SHORTCUT:** To exit or go to previous menus press the **Menu** button on the DVR

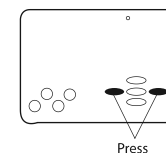


### Viewing and Deleting Saved Images

1. When viewing a live image press **Mode** to enter playback mode and view saved images.



2. Press **Left/Right** to switch between images.



3. To delete an image, in playback mode press **Menu** to bring up the delete menu.



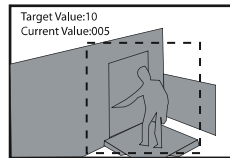
8. Press **Left/Right** in the **Setup** menu and highlight **Motion Detect Sensitivity** and press **OK**.



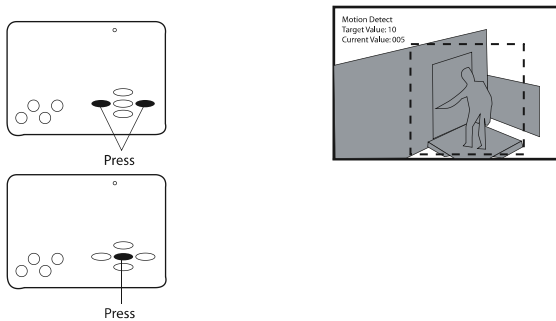
9. This screen shows the bounding box where motion will be detected.

**Current Value** is the level of motion that is currently being detected on a scale of 0~99 where 0 is no motion and 99 is the highest level of motion.

**Target Value** is the level of motion required to set off motion detection. For motion to be detected the **Current Value must be higher than the Target Value**.



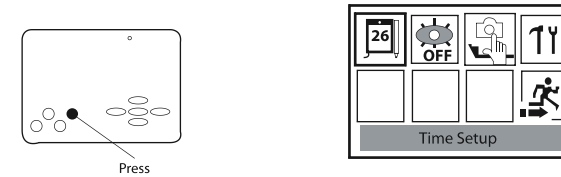
10. Press **Left/Right** to set the Target Value (or sensitivity) between 0~99. Adjust the sensitivity to the level needed for your conditions. Press **OK** to return to the **Setup** menu.



**Note:** In our example above, Target Value is set to 10. Motion will only be recorded when the level of motion (Current Value) in the bounding box reaches 10 or more.

**TV Mode and Picture Quality Settings**

1. Press the **Menu** button to enter menu interface.

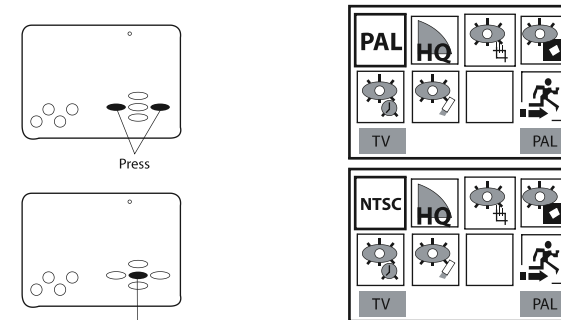


2. Press **Left/Right** to highlight **Setup** and then press **OK**.



3. Press **OK** to toggle TV mode from **PAL/NTSC**.

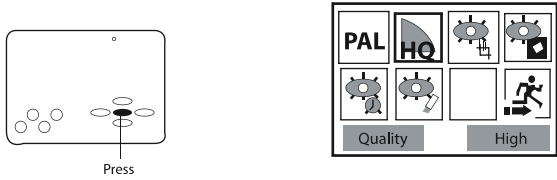
**NOTE:** The default setting is NTSC in North America and PAL for Europe/Australasia



4. Press **Left/Right** to highlight the picture **Quality** option.

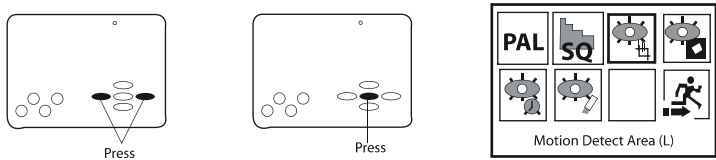


5. Press **OK** to toggle **High/Low** image quality. If you are trying to conserve memory space use **Low** otherwise the **High** setting is recommended.

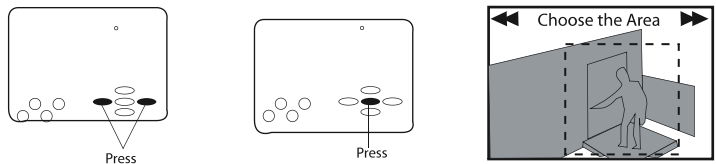


**Advanced Motion Detection Setup**

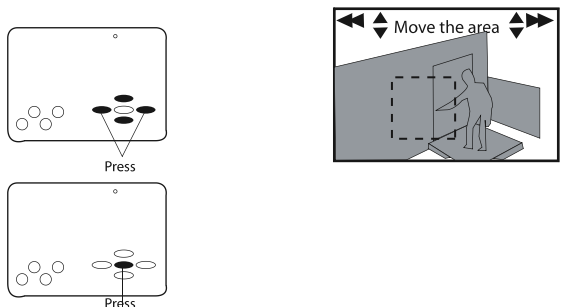
1. From the **Setup** menu, press the **Left/Right** buttons to highlight **Motion Detection Area** and press **OK**.



2. Press **Left/Right** to change the size of the area of detection (Large, Medium or Small Box) and then press **OK**. Motion will be detected only within the box selected.

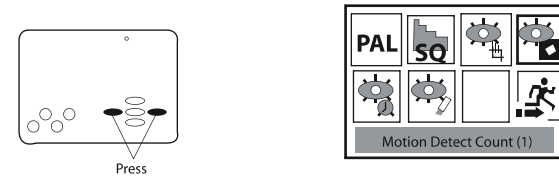


3. Press **Up/Down/Left/Right** to move detection box to a region you would like to detect motion and then press **OK** to confirm and return to the **Setup** menu.



4. Press **Left/Right** to highlight **Motion Detect Count** in the **Setup** menu. Motion Detect Count indicates how many photos will be taken per motion detection.

**Note:** This feature applies to photo recording only



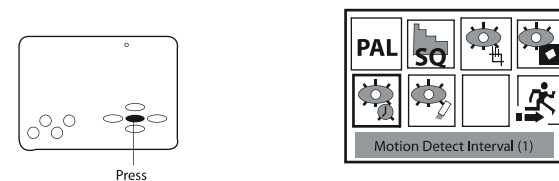
5. Press **OK** to change the **Motion Detect Count**. This value can be set to 1, 3 or 5 photos taken per motion detection event.



6. Next, press **Left/Right** to highlight **Motion Detect Interval**. This setting indicates the pause in seconds between two separate motion events.



7. Press **OK** to change the pause or delay to 1, 3 or 5 seconds between motion events.





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