

TECHNICAL SPECIFICATIONS

General Specifications:

Operation Frequency:	2400 - 2472 Mhz ISM
US, UK and Europe	2400 - 2452 Mhz ISM
Australia	300ft/100 m
Useable Range:	5 - 50°C
Operation Temperature:	

Video

- TV System:	PAL (Aus/UK) or NTSC (USA)
- Input Impedance:	75 OHM
- Interface Level:	1 Vp-p

Audio:

- Input Impedance:	600 Ohm
- Interface Level:	600 mVp-p
- Frequency Response:	300 - 3400 Hz

Monitor Receiver:

- Picture tube	5" (12.7CM) B&W
- Receiver Antenna:	Directional Plate
- Receiver Sensitivity:	-25 ~ -90 dBm
- Maximum Audio Output:	600mW
- Horizontal Pull-in:	+/- 200Hz
- Horizontal Hold:	+/- 400Hz
- Vertical Range:	6Hz
- Maximum Luminance:	100cd/m ²
- Centre Horizontal Resolution:	300 lines
- Centre Vertical Resolution:	250 lines
- Scan Display Rate:	90%
	Vertical/Horizontal
- Current Consumption:	-1200 mA
- Power Supply:	13.5V DC

Swann Technical Support

All: tech@swann.com.au

UK: uksupport@swann.com.au

Europe: europesupport@swann.com.au

AUS (outside Melbourne Metro):

1300 13 8324 (Mon-Fri, 9am-6pm Aus EST)

0418 146 434 (Mon-Fri, 6pm-9pm Aus EST)

Melbourne Metro: 03 9421 3273

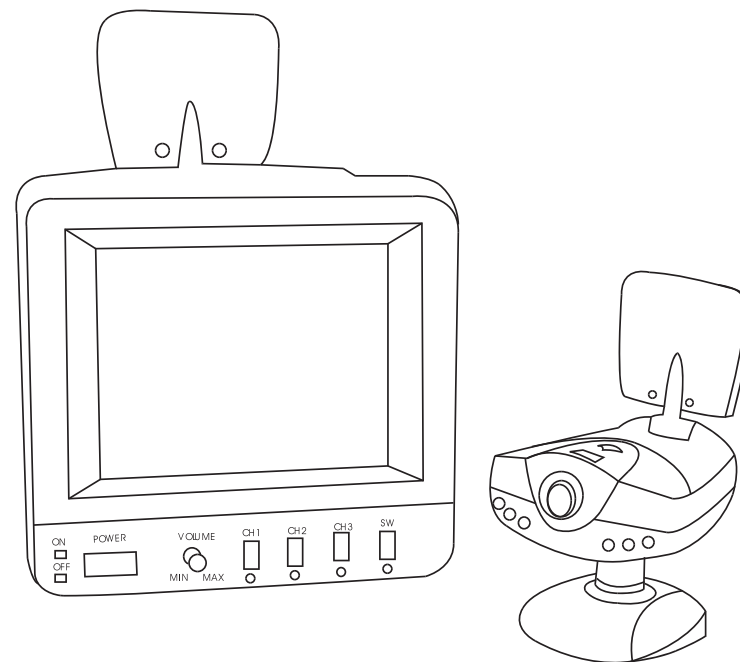
USA (Melbourne Australia time): 877-274-3695

NZ: +61 3 94213273



Guardian Angel

Wireless Baby Monitoring Kit



USER'S GUIDE



www.swann.com.au

IMPORTANT INFORMATION

TRADEMARKS

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INTRODUCTION

The Swann Guardian Angel Wireless Baby Monitoring Kit incorporates the latest in advanced technology. We feel confident that you will be pleased with the quality and features of this product.

The Swann Guardian Angel Wireless Baby Monitoring Kit allows you to transmit pictures and sound with ease. As the radio waves it uses have a frequency of 2.4GHz, they can be received within a radius of up to 300ft/100 m, and also through walls and ceilings. However, the range depends on the construction of the walls and may be reduced, for example, by reinforced concrete walls.

SAFETY INSTRUCTIONS

Read Instructions: All the safety and operating instructions should be read before the Guardian Angel Wireless Baby Monitoring Kit is operated.

Retain Instructions: The safety and operating instructions should be retained for future reference.

Water and Moisture: The item should not be used near water or in locations where water may enter the unit.

Ventilation: The Guardian Angel Wireless Baby Monitoring Kit should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings, or placed in an enclosed installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat: The Guardian Angel Wireless Baby Monitoring Kit should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.

Power Source: The Guardian Angel Wireless Baby Monitoring Kit should only be connected to the power adaptors supplied with the units.

Cleaning: Use a dry cloth to keep the Guardian Angel Wireless Baby Monitoring Kit free of dust. Do not use water or harsh abrasive cleaners!

Non-Use Periods: Always unplug the AC adaptors from wall outlets during long periods of non-use.

Object and Liquid Entry: Care should be taken so that objects do not fall into, and liquids are not spilled into the enclosure through the openings.

Warranty: Please note that damage to either unit caused by any misuse or abuse will void warranty. This includes water damage and damage caused by foreign objects entering the casing.

Cautions:

- This product cannot replace responsible adult supervision of a child or person in ill health.
 - Never use this Guardian Angel Wireless Baby Monitoring Kit to a degree where your life or health or the life or health of others or integrity of property depends on its function!
- Swann Communications will not accept any responsibility or claim for death or injury of any person or loss and damage of any property due to malfunction or misuse of the product.

HINTS AND TIPS

1. Rotate the antenna for better reception: Poor quality display, may be due to bad reception of signals. Adjust this by rotating the antenna of the Camera and/or Monitor to optimise the reception.
2. Change the Camera and Monitor to a different channel. In some cases interference may be caused by another device on a similar frequency to the channel you are using. Change to one of the other channels and check the signal quality again.
3. Use the infrared lighting facility to pick up picture inside a dark environment. If your monitor does not display a picture in a dark environment, check the camera to be certain that infrared lighting is within range of the subject. Try to move the item within the 2m (6ft) range of the Camera or place the Camera nearer to the object until a clear picture displayed on the Monitor.
4. Some home appliances such as Microwave ovens operate on or near the 2.4GHz frequency. If you receive interference from such an appliance, try moving the Camera or Monitor to location further away from the appliance to improve the signal quality.
5. If your image appears out of focus, turn the wheel at the top of the Camera to rotate the lens and improve the focus.

WARRANTY INFORMATION

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from it's original purchase date. Please keep your receipt as proof of date of purchase. 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. You are responsible for all freight charges incurred to send the product to Swann's repair centres. The warranty does not cover any incidental, accidental or consequential damages from the use of or the inability to use this product. This warranty applies to the original purchaser of the product only, and is not transferrable to any third party.

INSTALLATION

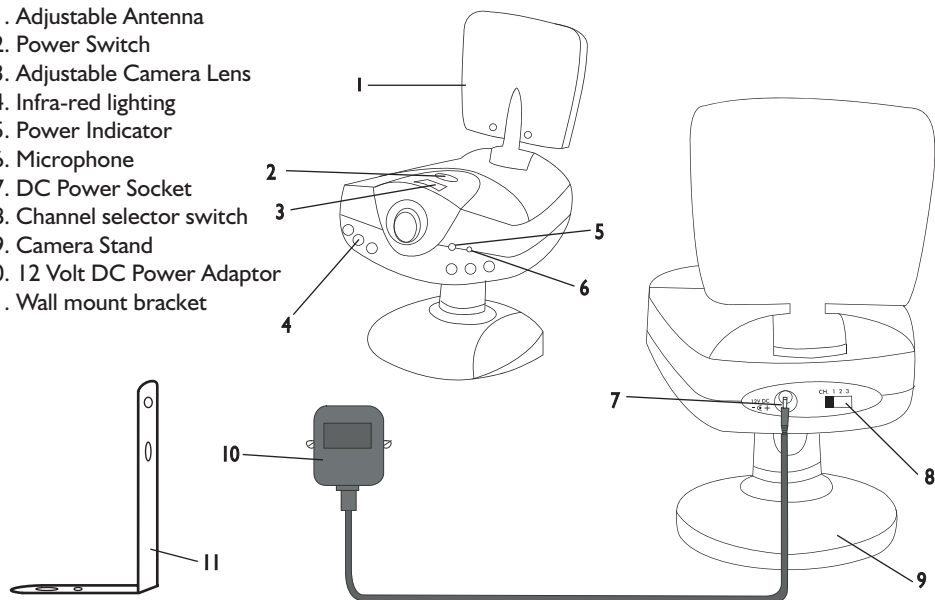
Preparation:

Regular testing of the video and sound reception of the Guardian Angel Wireless Baby Monitoring Kit is recommended to ensure the best performance of the system. It is important to test video reception and sound quality in each location in which you intend to use both the Monitor and Camera.

1. Place the Camera in the most appropriate location for monitoring (tabletop, dresser or wall mount), and position your monitor in the location you will be using it.
2. Connect the larger of the two power adaptors (13.5Volt) to the monitor unit, and the smaller power adaptor (12Volt) to the camera unit. Once this is done, turn on both units and set both to the same channel (Channel selector found at the back of the camera, and on the front panel of the monitor)
3. Point the Camera Lens toward the area you want to monitor.
4. Check the video reception on the screen of Monitor.
5. Adjust the quality of the picture by using the Focus Wheel on the camera, and the Contrast, Brightness and V-Hold adjustment knobs on the back of the Monitor.
6. In case of poor display quality, rotate the antennas, change the channel on both units or reposition each unit until you obtain optimal picture transmission.
7. The Infrared lighting of the Camera is designed to allow the Camera to pick up images clearly during darkness or periods of very low levels of light. Please remember that if you intend to use the camera in the dark, it will only monitor objects placed within 6ft/2m of its Infrared sensor.
8. To test sound reception quality, place the Camera at least 1m (3ft) away from the person to be monitored. Speak in both a whisper and a normal conversation level or trying placing a radio or other sound emitting device in the desired viewing area.
9. To prevent feed back noise, it is recommended that you place the monitor more than 3metres (9ft) away from the Camera.
10. If the picture rolls from top to bottom or vice versa, the V-Hold control located on the back of the Monitor needs to be adjusted.
11. Once you have a clear and crisp picture displayed on the screen you can adjust the brightness and contrast by using the controls on the back of the Monitor until you achieve the desired result.

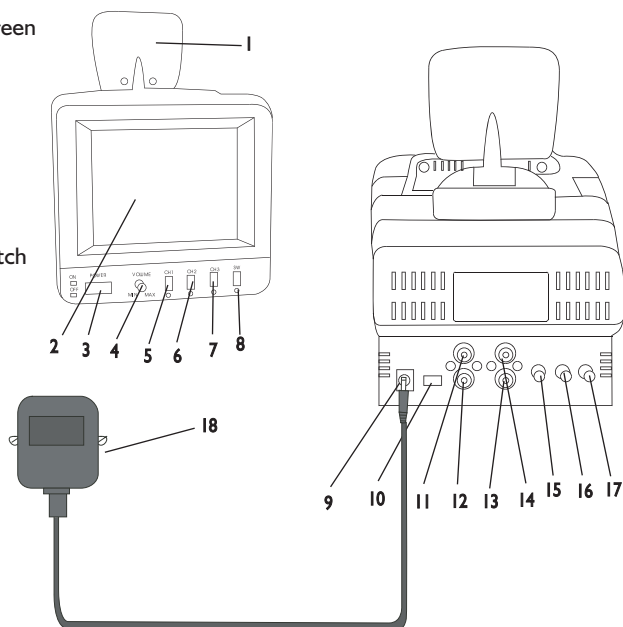
CAMERA FEATURES

1. Adjustable Antenna
2. Power Switch
3. Adjustable Camera Lens
4. Infra-red lighting
5. Power Indicator
6. Microphone
7. DC Power Socket
8. Channel selector switch
9. Camera Stand
10. 12 Volt DC Power Adaptor
11. Wall mount bracket



MONITOR FEATURES

1. Directional Antenna
2. 12.7 cm (5") Video Display Screen
3. Power On/Off switch
4. Volume Control
5. Channel 1 Button
6. Channel 2 Button
7. Channel 3 Button
8. Screen Flip Button
9. DC Power jack
10. Wire/Wireless input select switch
11. Video In jack
12. Audio In jack
13. Audio Out jack
14. Video Out jack
15. V-Hold adjustment knob
16. Contrast adjustment knob
17. Brightness adjustment knob
18. 13.5 DC Power Adaptor



WALL MOUNT BRACKET

Drill a suitable sized hole through the surface of the position you wish to mount your camera and fit a suitable wall anchor, screw or similar to engage the elongated hole on the short side of the bracket. Hang the bracket and tighten the screw to hold the camera securely. Slide the hook on the wall mount bracket into the elongated hole on the base of the camera, and line up the hole in the bracket with the hole in the camera base. Using the screw enclosed with the bracket, secure the bracket to the base of the camera.

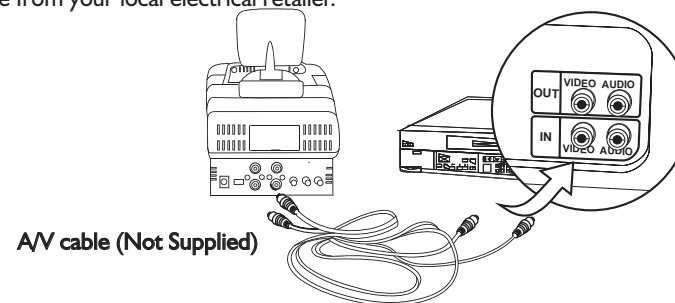
SCREEN FLIP SWITCH

This switch will flip the image on your monitor screen to allow you to view the image from a camera that is mounted upside down, eg. on a ceiling or the eave of a house.

AUDIO/VIDEO LINK OPTION

An additional security feature of the Guardian Angel Wireless Baby Monitoring Kit is that you can link the Monitor to a VCR to record what you are monitoring. You can also link to a television allowing you to switch briefly to the monitoring area whilst watching your favourite TV program.

The Video and Audio output jacks are located at the back of the Monitor. These need to be connected to the Video and Audio Input jacks on your VCR or television with the two "RCA type" A/V cables available from your local electrical retailer.



CHANNEL SELECTION

Once you set the required channel on the Channel Selector switch(8) on the rear of the camera, push the button for the same channel on the front panel of the monitor and the light under that button will light up. If you purchase a second camera at a later stage, the monitor can switch between the camera channels automatically if you push more than one channel in at a time. eg. If channel 1 and 3 buttons are both depressed and the light for these are both on, the monitor will automatically switch between the two signals. To stop either of the cameras being scanned, simply push the appropriate button for the channel the camera is transmitting on and the light will go out. The monitor will now stay on the camera channel you have selected.

INPUT SELECTION

To use the Video In input(11) on the rear of the monitor unit to view a wired composite video type CMOS or CCD camera, connect the wired camera with suitable RCA connectors to the Video In(11), and if applicable Audio In(12) sockets on the rear of the monitor, then move the Wire/Wireless switch(10) to the Wire position and you will see the image from your wired camera. To again view your Wireless camera(s) move the switch back to the Wireless position.