

**Swann Technical Support**

All Countries E-mail: [tech@swann.com.au](mailto:tech@swann.com.au)

**Telephone Helpdesk**

UNITED STATES toll free

877-274-3695

(Sun-Thurs, 2pm-10.30pm PST)

800-627-2799

(Mon-Fri, 9am-1pm PST)

USA Exchange & Repairs

562-777-2551

(Mon-Fri, 9am-5pm PST)

AUSTRALIA toll free

1300 13 8324

(Mon-Fri, 9am-5.30pm Aus EST)

International

+61 3 8412 4610

(Mon-Fri, 9am-5.30pm Aus EST)

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

**Warranty Information**

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from its 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)



Wireless Mini Camera  
Wireless Camera & Receiver



**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 one of the Toll-Free numbers shown on the back cover of this booklet.*
- ✓ *Most problems can be quickly and easily fixed with a quick chat with one of our friendly technical staff.  
(Toll-Free available in the US and Australia only)*

**Note:** Wireless Networks (WiFi) may interfere with and/or experience interference caused by the transmitter in this unit. Changing the receiver to another channel/frequency or setting the Wireless Network (i.e. Wireless Access Point) to a frequency further away from the camera's set frequency can alleviate this problem. Consult the documentation of your Wireless LAN device for information on how to change the transmission frequency. These cameras work with most wireless camera receivers that support 2414MHz, 2432MHz, 2450MHz and 2468MHz.

**Installation Guide**

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**INTRODUCTION**

The Swann Mini Wireless Camera allows you to transmit pictures with ease. As the radio waves it uses have a frequency of 2.4GHz, they can be received within a radius of up to 328ft/100m in open line of sight. The Mini Wireless Camera comes with 2 power sources (9V battery adaptor and mains adaptor) so that you have the option of using different power methods for different locations and conditions, to ensure that you have the best options for your situation.

**Please note:** The Swann Mini Wireless Camera broadcasts video in the public domain. The video signal is not encrypted and could potentially be viewed by anyone with a similar 2.4GHz receiver unit. Please keep this in mind when positioning and using any wireless camera equipment.

**Mini Wireless Camera comes with...**

- 1 x Mini Wireless Color Camera / 2.4GHz Transmitter
- 1 x 2.4GHz Receiver
- 1 x Antenna for 2.4GHz Receiver
- 1 x 9V Battery Snap for Transmitter/Camera (battery not included)
- 2 x Mains Power Adaptor (8V for use with Camera and Receiver)
- AV socket to RCA adapter Cable
- Metal Camera stand
- This Instruction Sheet

If any of these items are missing, please contact your retailer.

**FCC NOTICE**

This device complies with Part 15 of FCC Rules. Operation is subject to the following 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

**Technical Specifications**

**CMOS Color Camera**

Sensor: 1/3"(8.5mm) Colour CMOS  
 Horizontal Resolution: 380 TV lines  
 Auto Electronic Exposure: 1/60 - 1/15000 sec.  
 Minimum Illumination: 3 Lux@ f1.2  
 Signal to Noise Ratio: >48dB  
 Board Lens: 7/32" ~ 5.6mm  
 View Angle: 60 degrees  
 Size: 3/8" x 23/32" ~ 16mm x 18mm, board lens  
 Video System: PAL 50Hz (Australia, UK/Europe), NTSC 60Hz (USA and Canada)  
 Automatic Exposure / Gain / White balance.

**2.4GHz Transmitter**

Fixed Channel: 2450MHz Frequency band  
 RF Output Power: CE, FCC and C-tick compliant  
 Operating Power: 8V DC  
 Power Consumption: 100mA  
 Size: 7/8" x 7/8" x 1" / 22 x 22 x 25 mm  
 Antenna: Omni-directional  
 Transmitting Range: Up to 328ft / 100M line of sight  
 Weight: 3/16oz / 20 grams  
 Operating Temperature: 32° ~ 122°F / 0° ~ 50°C

**2.4GHz Receiver**

Frequency: 4 Channels in 2.4 GHz frequency band\*  
 Video input/output: 1V p-p @ 75 ohm  
 Audio input / output: 1Vp-p @ 600 ohm  
 Antenna: 50ohm SMA  
 Operating Power: 8V DC  
 Power Consumption: 150mA  
 Size: 3 1/2" x 2 3/4" x 5/8" / 89 x 70 x 15mm

**FCC Notice**

We, Swann Communications of 10612 Shoemaker Avenue, Bldg A, Santa Fe Springs, CA 90670 USA, declare under our sole responsibility that the product:

**SW-P-MWC**

This product meets the requirements specified in Part 15 of FCC Regulation. Operation rests with the following two conditions:

- (1) The equipment should not cause any harmful interference;
- (2) The equipment must receive and process any interference, including any possible interference caused by operation mistakes. After testing the product, we confirm that it complies with the provision for class C digital equipment in the 15th part in FCC regulation; and the receiver complies with the limitations for class B digital equipment in Part 15 of FCC regulation. The product generates, applies and emits radio waves. It might cause harmful interferences to wireless communication if not be installed and used following the description of the manual. The product may cause interference in residential area, and the customer should take remedies to eliminate the interference at their own costs. If the product causes any harmful interference to wireless equipment or disturbs the receiving of TV signals (it can be identified by turning on and off the product), you can solve the trouble by following methods:  
 (1) Re-adjust the product or put it in another place;  
 (2) Extend the distance between the equipment interfered and the product; and  
 (3) Refer to dealers or experienced radio electrician for help.

**CE Notice**

This product complies with standards including Low Voltage Device Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive 1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear CE mark.

**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 (CH3).*

**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 AV 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 1.*

**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.*

**IMPORTANT:** In accordance with privacy regulations in some countries this camera does not have any audio transmission capability where this is prohibited by law. Please consult your privacy regulations, or contact the relevant government department for more information.

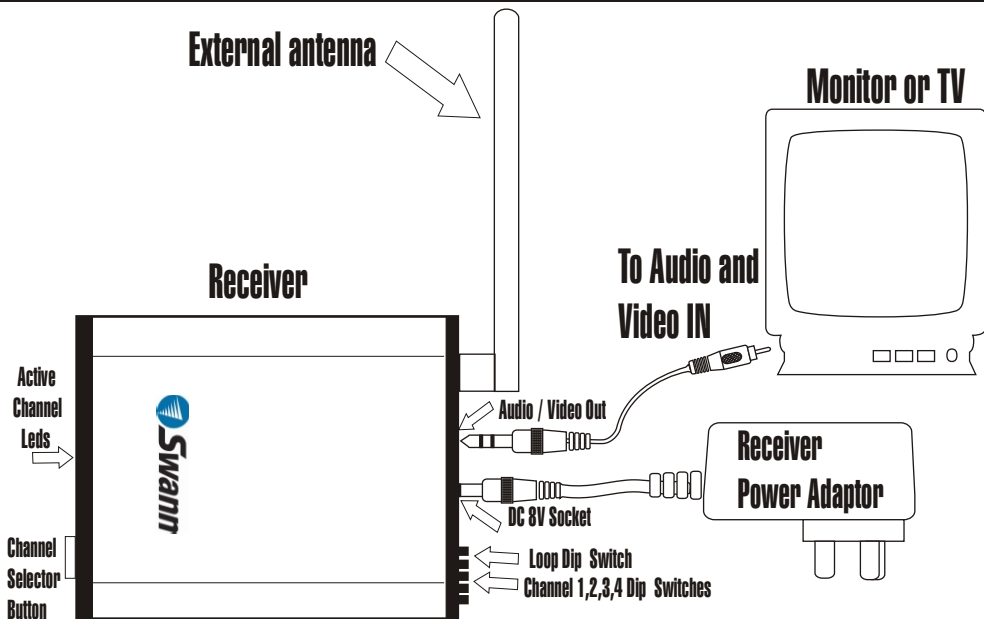
The Mini Wireless Camera features an omni-directional antenna which is most effective when used in the UPRIGHT position.

- 1) *Connect both the Mini Wireless Camera and the Receiver to their respective power adaptors.*
- 2) *Connect the Receiver to the equipment you wish to view the camera on (monitor, TV, VCR etc) using the supplied RCA cable.*
- 3) *After connecting both the Mini Wireless Camera and the Receiver make sure the channel 1 dip switch on the receiver is moved down to the ON position. Press the **SEL** button on the receiver until the Red LED for CH1 is lit. If the channel LEDs flash and the receiver scans through all 4 channels, move the **L** dip switch up into off position. Obtain the best picture by adjusting the position of the Mini Wireless Camera and Receiver unit to suit. Try slightly different locations of either unit for optimum results.*
- 4) *If required, place the Mini Wireless Camera into the Camera Stand by first placing the cable through the bracket and then gently push the camera in until it is correctly seated. Tighten the screw on the stand until firm.*
- 5) *Align the antenna of the receiver toward the antenna of the Mini Wireless Camera. The antenna can be swivelled to face in the appropriate direction by loosening the nut connecting it to the antenna socket. Once the antenna is correctly positioned, finger tighten the nut to lock the antenna in place.*

**Please note:** Channels 2, 3 and 4 are not used with this camera. Accessory cameras to take advantage of the other channels are available for separate purchase. We suggest the Night Hawk Extra Camera (SW-P-WOCEX) which is a Wireless Weatherproof Outdoor Camera with Night Vision or the MicroCam IV (SW-P-MC4) Indoor Color Camera. Both of these camera models have DIP switches to allow them to use of any of the other available channels on your Mini Wireless Camera receiver.

**IMPORTANT:** Due to the power consumption of this product, we highly recommend the use of a 9 volt battery for short term portable use only.

## Receiver Features



## Important Information about this product

- **DUE TO GOVERNMENT PRIVACY REGULATIONS RELATING TO THE USE OF COVERT LISTENING DEVICES IN SOME COUNTRIES, THE MINI WIRELESS CAMERA TRANSMITTER SENDS VIDEO ONLY - IT DOES NOT HAVE AUDIO TRANSMISSION CAPABILITY WHERE THESE RESTRICTIONS ARE IN PLACE.**
- *Best Results are achieved where there is a clear "line of sight" between the Mini Wireless Camera transmitter and Receiver.*
- *Try to avoid obstacles such as trees, walls, cars, trucks and buildings when maximum range is required.*
- *Interference from certain electronic equipment or the moving human body can also affect the range obtainable.*
- *Please test all devices before final installation because transmission quality can often be improved by moving the components slightly.*
- *Turn off the transmitter and receiver if the system is not in use.*
- *Do not touch the antennas when the system is switched on.*
- *Do not place the receiver behind a monitor or TV.*
- *To avoid the risk of damage to Mini Wireless Camera, use only the supplied power adaptors.*
- *Don't place above or near a heat source which may cause the equipment to overheat.*
- *Microwave ovens can cause interference and diminish the quality of the signal if the Mini Wireless Camera or Receiver are located close by.*
- *Beware of humid locations. Water droplets or spray may damage the units. If condensation does occur, do not use until the equipment has dried out.*
- *Never paint or attach metallic labels or stickers of any kind.*
- *Do not use two Mini Wireless Camera systems operating at the same time in the same area. This will result in picture interference.*
- *Do not cut the DC power cable of the Mini Wireless Camera to fit with another power source. This may result in damage to the Mini Wireless Camera & any unauthorised modifications will void your warranty.*

## Camera Features

