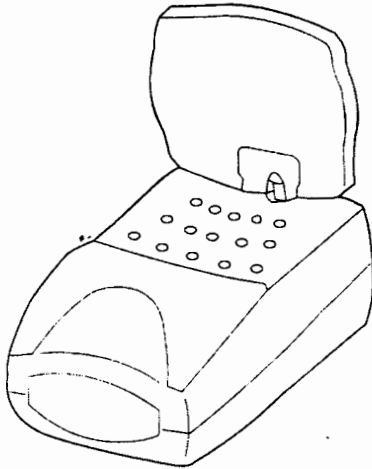


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# User's Manual

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## 2.4GHz Wireless Color A/V Receiver with Patch Antenna



### **PLEASE READ CAREFULLY AND SAVE**

This manual contains important information about this product's operation.

If you are installing this product for use by others you must leave this manual -or a copy- with the end user.

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## **Important!**

**Please read this booklet carefully before installing or using these units.**

**DANGER- HIGH VOLTAGE-** These units should ONLY be opened by an authorized technician if service is required.

### **Safety Precautions**

For correct and safe operation of this system, it is essential that installers, end-users and service technicians should follow *all* safety procedures outlined in this manual. Specific Warning and Caution statements (and/or symbols) are marked on the units where needed.

### **Warning and Caution Statements**

"WARNING" indicates a situation where failure to follow proper procedures can cause personal injury.

"CAUTION" indicates a situation where failure to follow proper procedures can cause damage to the equipment.

## **2.4 GHz Wireless Color A/V Receiver**

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## Important Safety Precautions

### Please read before Installing

Congratulations on your purchase of the 2.4GHz Wireless Color AV Receiver. Please read these safety and operating instructions carefully before installing and using this system.

- Keep the receiver and AC/DC adapter cords out of reach of children.
- Do not place the receiver or AC/DC adapter cords in a crib or playpen.
- Do not use the receiver near water or damp and wet environments, such as a bathtub, laundry tub, kitchen sink, or wet basements.
- Locate the receiver and AC/DC adapters where there is adequate ventilation.
- Do not locate the receiver and AC/DC adapters near heat sources such as heat registers, radiators, ovens, furnaces or other appliances with high operating temperatures.
- Do not use with extension cords. Use only the AC/DC adapters provided with this system. Use of other adapters may damage the units and void your warranty.
- Only plug components into standard household voltage outlets (110V - 240V AC, 50Hz or 60 Hz).
- Do not place cords from the AC/DC adapters receiver where they can be pinched or stepped on.

Protect the cords by keeping them out of the way of children, pets and routine household traffic.

Do not place heavy objects on power cords or cover cords with rugs or carpet.

- When cleaning, use a DRY, lint-free cloth. Unplug the receiver and AC/DC adapters before cleaning.

**NEVER** immerse any components in water and do not spray cleaners or solvents on the units.

Doing so may damage the units or cause electrical shock.

- Unplug the AC/DC adapters from the wall outlet when the system is not in use.
- Mishandling, alterations or modifications not approved by the manufacturer will void the warranty.

#### **▲ CAUTION!**

- Connect this unit **ONLY** to other compatible units. Do not connect it to any other type of alarm or auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly.

**Additional Notice-** Do not place the equipment on an unstable cart, stand or table. It may fall causing serious injury to a child or adult.

## FCC/CE WARNING

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacture's instructions, may cause interference to radio and television reception. It has been tested and found to comply with limits for a Class B digital device in accordance with Part 15 of FCC Rules and CE I-ETS 300 440, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient the TV/radio antenna.
2. Relocate the Receiver away from the TV/radio receiver.
3. Plug the Receiver into a different wall outlet so that the Receiver is on a different branch circuit.
4. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user may find the following booklet prepared by the Federal Communication Commission helpful: "How to Identify and Resolve TV Interference Problems." This booklet is available from the US Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

## FCC/CE NOTICE

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed.

The radios are required to comply with FCC Rules and Regulations as Part 15 devices and CE I-ETS 300 440. As such, they have limited transmitter power and therefore limited range. A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies. Changes or modifications to the device may void FCC and CE compliance. Infrequently used radio links should be tested regularly to protect against undetected interference or fault.

## Specifications

### RECEIVER:

RECEIVING DISTANCE	Up to 300 Feet (Clear Line of Sight)
VIDEO OUT	1 Vp-p 75 Ohm
AUDIO OUT	1 Vp-p 600 Ohm
POWER SUPPLY	12V DC, 200 mA
OPERATING TEMP.	32°F - 122°F / 0°C - 50°C
DIMENSIONS	Approx. 3.7" x 1.8" x 2.5" / 9.5 x 4.7 x 6.3cm (LxWxH)
WEIGHT	Approx. 0.5LB / 209.6g

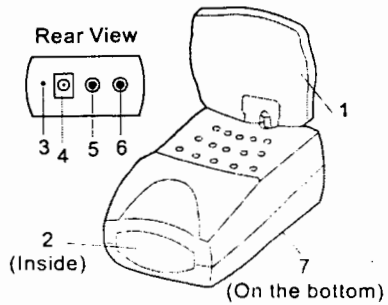
\*Design and specification are subject to change without notice.

## Parts Included with This Package

- 2.4 GHz Audio/Video Receiver
- Audio/Video Cable
- 12V AC/DC adaptor for Receiver

## Parts of the Receiver

- |                      |                      |
|----------------------|----------------------|
| 1. Antenna           | 2. Channel LED       |
| 3. Power LED         | 4. 12V DC Input Jack |
| 5. Video Output Jack | 6. Audio Output Jack |
| 7. Channel Switch    |                      |



## Installing the Wireless Color A/V Receiver

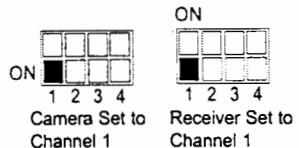
To install the system, follow these steps:

1. Plug the AC/DC adapter cord into the DC input jack on the back of the receiver.
2. Plug the audio/video cord to the audio/video output jack of the receiver. Plug the other end of the cord to the audio/video input jacks on your TV or monitor.
3. Plug the AC/DC adapter into a standard (110V-240V) outlet. The power indicator LED located on the top of the receiver should light.
4. Select the channel (Channel 1-4) to be used on the receiver.

**NOTE: Make sure the camera and receiver are set to the same channel (1, 2, 3 or 4).**

For example, to set both the camera and receiver on Channel 1:

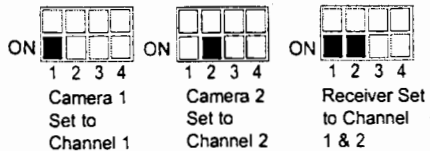
- (a) Push the Channel 1 dip-switch located on the camera and the side of the receiver to the ON position.
- (b) Make sure the remaining dip-switches are in the OFF position. In this case, channels 2, 3 and 4 should be in the OFF position.



**If more than one camera/radio is to be installed and operated at the same time:**

Simply follow steps (a) and (b) and set the dip-switches for the other channels on the camera and receiver to ON.

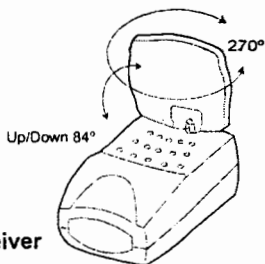
For example, to receive signals from 2 cameras: Set Camera 1 to Channel 1 (other channels off), set Camera 2 to Channel 2 (other channels off), On the receiver, set channels 1 and 2 to ON.



5. Position and Rotate/adjust the receiver antenna toward the camera/radio for best performance.

## Rotating the Antenna for Best Performance

This system broadcasts its high-quality audio and video using directional antenna. The antenna can rotate in either clockwise or counterclockwise directions to obtain the best signal and picture clarity. In most situations, additional adjusting of the antenna may be necessary to get optimal performance. If the camera and receiver are less than 10 feet apart, leave the antenna in the closed (down) position. See the instructions shown on the right to rotate the antenna.



## The Auto Sequence Feature

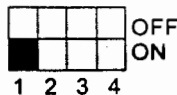
The wireless receiver can be set up to monitor a series of rooms in a home or office. The receiver can connect up to four cameras on four different channels for both Audio/Video reception, and display them in auto sequence. The system has dip-switches for 4 channels to allow various monitoring options.

When the channel dip-switches are set in the "ON" position, that channel is active on the receiver and can be seen on the TV or monitor. Channel dip-switches in the "OFF" position are inactive and will not be shown on the TV or monitor.

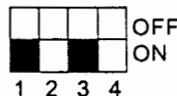
The auto-sequence feature is activated when more than one channel is switched ON. The channels switched ON will display on the monitor at five second intervals. For example, if you have two cameras, one set to Channel 1 and the other set to channel 3, the dip-switch on the receiver must be set for both channels 1 and 3. Then camera one [CH1] and camera two [CH3] will start to display on the TV or monitor in sequence at five seconds intervals. This interval time is preset by the factory and cannot be adjusted by the user.

### To stop the auto-sequence function:

Slide the dip-switch of the channel(s) you do not want displayed to OFF on both that camera and the receiver. Channels in the OFF position will no longer be displayed.



Channel Dip-Switch  
Diagram Channel 1 ON



Channel Dip-Switch Diagram  
Channel 1 & 3 ON

## Connecting the Receiver to a TV or Monitor

The receiver has an audio/video output which is for transferring the picture and sound from the camera/radio to a TV or monitor. Connect the A/V outputs to the A/V input on a TV or monitor for a screen display, or connect the A/V outputs to the A/V inputs on a VCR to record transmissions from the camera/radio.