

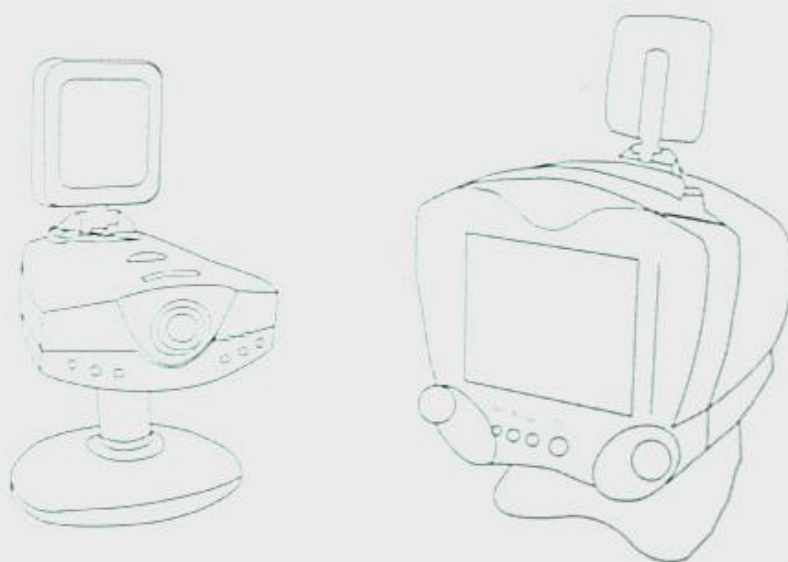
USER'S INSTRUCTION

2.4 GHz WIRELESS CAMERA SYSTEM

5.5" MONITOR WITH 4 CHANNEL SEQUENCING RECEIVER

AND 2.4 GHz WIRELESS PORTABLE B/W CAMERA

MODEL: WW5000 (Including WW2000)



Important Safety Precautions

- To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bathtub, washbowl, sink or laundry tub; do not use in a wet basement or around a swimming pool.
- To avoid electrical shock, do not open the case of this product.
- Operate this product using only the power supply included with it.
- Do not overload electrical outlets or extension cord as this can result in fire or electric shock.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

INTRODUCING 2.4GHZ WIRELESS SYSTEM

WW5000 uses the latest in wireless communication technology to deliver consistently sharp audio B/W and color video images up to 350 feet away. By transmitting at a very high frequency (2.4GHZ), the FCC - approved WW5000 avoids the crowded 900 MHZ band used by many cordless telephones and other wireless audio/video transmitters. Its superior quality is due to FM rather than AM signal modulation. The use of state-of-the-art circular polarized high-gain directional transmitting and receiving antennas maximizes the signal range and minimizes interference from unwanted signals.

HOW TO USE WW5000 FOR OPTIMAL PERFORMANCE

1. WW5000 should be placed on a flat stable surface to prevent damage to it from falling.
2. For maximum operating range, try to minimize the number of obstacles (TV, other electronics, large steel structures) between the transmitter and the receiver units.
3. It broadcasts high-quality audio and video, using directional antennas which must be oriented in certain configurations for best results. The antennas have been designed to pivot and rotate in almost any direction. In most situations, the flat face of the antennas on both the transmitter and receiver should be facing one another and perpendicular (at a right angle) to an imaginary line drawn between the two units. Three examples are shown on the next page, labeled Figures 1, 2 and 3. If the transmitter and receiver are less than 10 feet apart, keep the antennas flat in their casings.
4. Avoid pointing the camera directly into light or extreme sunlight. This will interfere with your ability to obtain a proper image.
5. To receive optimum image performance, always make sure lenses are kept clean.
6. This camera is not waterproof. Do not use in wet or high humidity environments, as this can cause camera damage or electrical shock.

Figure 1

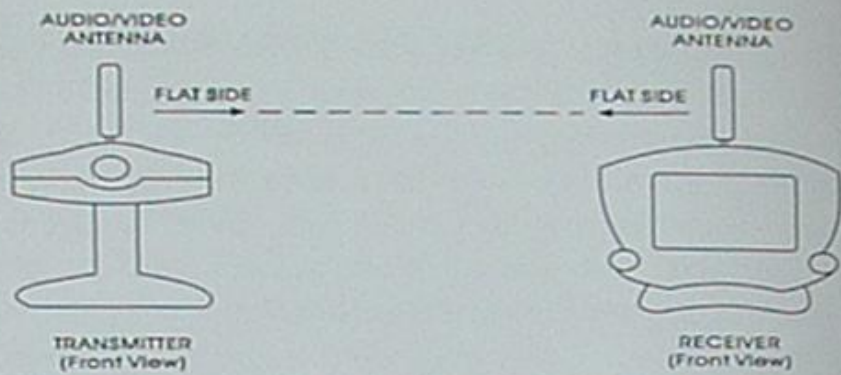


Figure 2

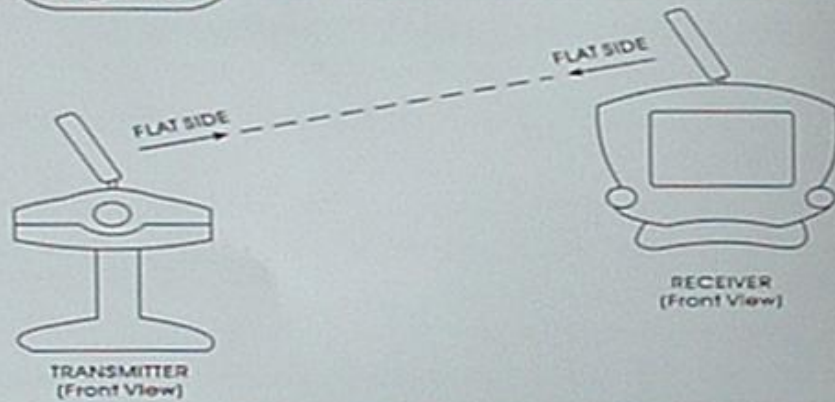
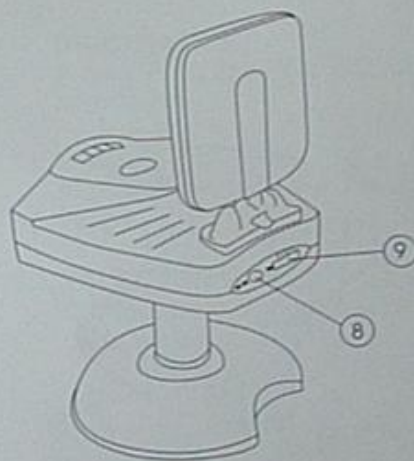
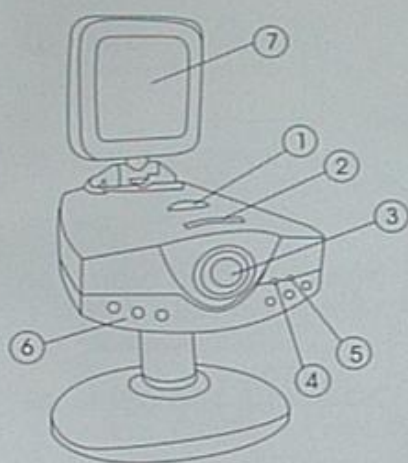


Figure 3



WIRELESS CAMERA --- WW2000



- 1. POWER ON/OFF SWITCH**
Switch for the power on/off.

- 2. LENS ADJUSTOR**
Adjust the lens for optimal image.

- 3. LENS**
1/3" CMOS Image sensor.

- 4. POWER INDICATOR LIGHT**
Indicate the power is working or not.

- 5. MICROPHONE**
High sensitivity condenser microphone with stereo sound (one-way audio)

- 6. IR EMITTING TUBE**
Help work at night and dark place.

- 7. DIRECTIONAL 2.4 GHZ ANTENNA**
Sends audio and video signals.

- 8. DC IN**
Plug the 10 volt adaptor (supplied).

- 9. CHANNEL SELECTOR**
Use to find optimal reception. Must select same channel on both transmitter and receiver.

- | | |
|--|--|
| 11. DC IN
Plug the 12 volt adaptor
(supplied) | 16. CONTRAST
Adjust it to get the best
gradation. |
| 12. HEADPHONE JACK
Connect headset. | 17. BRIGHTNESS
Adjust it to get the suitable
brightness |
| 13. EXT. ANTENNA JACK
Connect the cord with TV
signal for clear receiving | 18. V-HOLD
Fix frame for the stable
image. |
| 14. AUDIO OUT RCA JACK
RCA video out jack for wire
mode operation | 19. SELECTOR BOX
Channel selection and set the
dwell time |
| 15. VIDEO OUT RCA JACK
Audio out jack for wire mode
operation | |

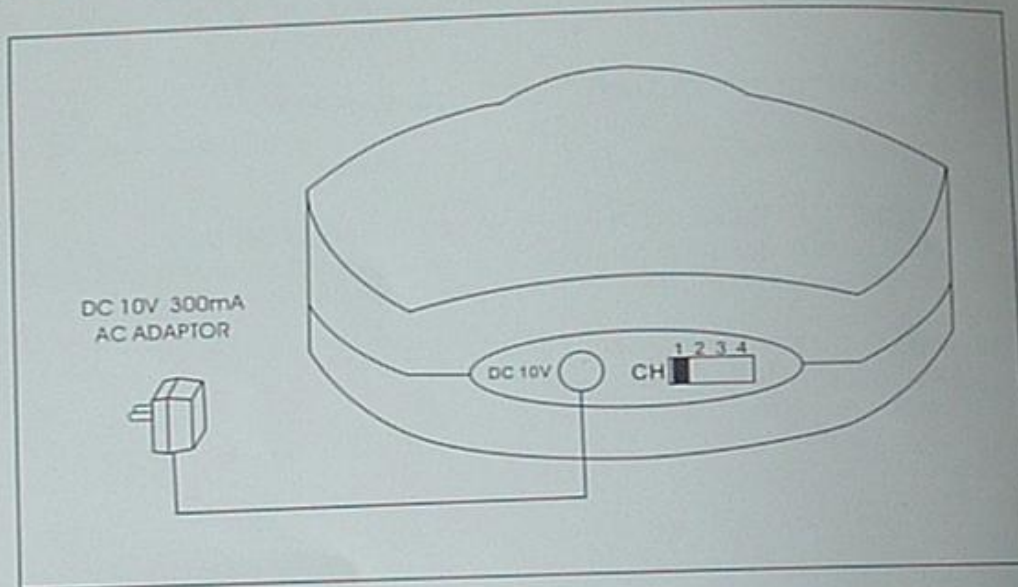
This Model WW5000 Wireless Camera System can also be set up to use another three camera (not Included) with the same monitor.

- | | |
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This Model WW5000 Wireless Camera System can also be set up to use another three camera (not Included) with the same monitor.

INSTALLATION & RECEIVING

WIRELESS CAMERA -- WW2000



1. Place the camera in where you want to observe something around.
2. Make the camera lens aim to something that you want to observe.
3. Connect the supplied 300mA adaptor to the DC IN jack on the rear of the camera and plug it into AC power outlet. The red LED (power indicator light) on the front of the camera will indicate that the unit is turned on.

HOW TO SET UP AUTOMATIC/MANUAL SWITCHING MODE

Your WW5000R is a flexible 4-channel receiver with many options built-in. It may be operated in the manual mode with the channels being changed by pressing the PAUSE button on the front of the receiver case.

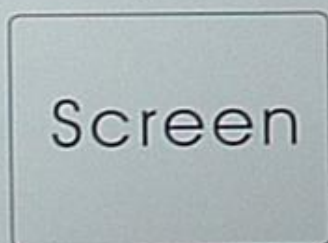
AUTOMATIC MODE OPERATION:

When turn on the receiver, it is on SCANNING status. Slide any two or above (full is 4 channel) channel of selector box on the back of receiver to ON position. And select the alternative DWELL TIME 2S or 4S to ON position, then the unit start scanning according to the sequence channel (CH1 to CH4) that you had set to ON position. The scanning work is circulatory and the picture dwell time is 2 seconds or 4 seconds that you had selected.

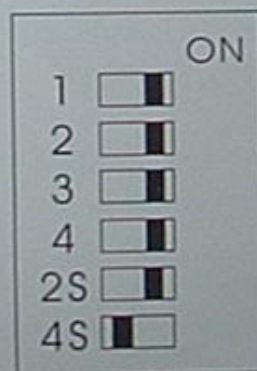
MANUAL MODE OPERATION:

Press down the PAUSE button, the picture is just stayed on the channel that being scanned to. Press this button to PAUSE status again, the stayed picture will shift to next selected channel.

If only set one channel to ON position, then there is no need to press the PAUSE button, the picture will stay automatically on the selected channel.

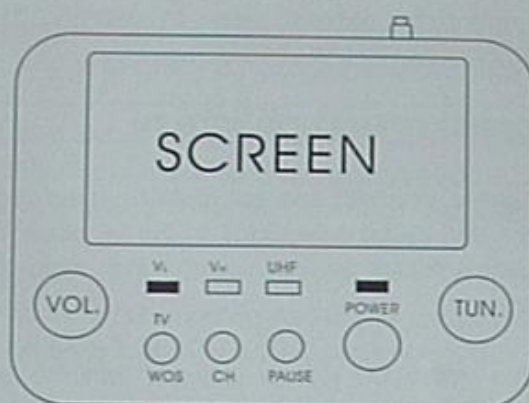


PAUSE BUTTON



Selector Box

TV RECEIVING OPERATION



RECEIVER FRONT PANEL

This receiver has the function of TV receiving. When turn on the receiver, press TV/MON button to TV status, and then press CH button to select the desired TV band VL, VH or UHF. Adjust the fine tuning control to the available and desired TV program, and adjust the TV antenna to suitable angle and direction for receiving the optimal image and sound. Turn the volume control to the desired degree. Then can enjoy the wonderful TV programs.

OBSERVATION RECEIVING OPERATION

Make sure the monitor is turned on before using WW5000

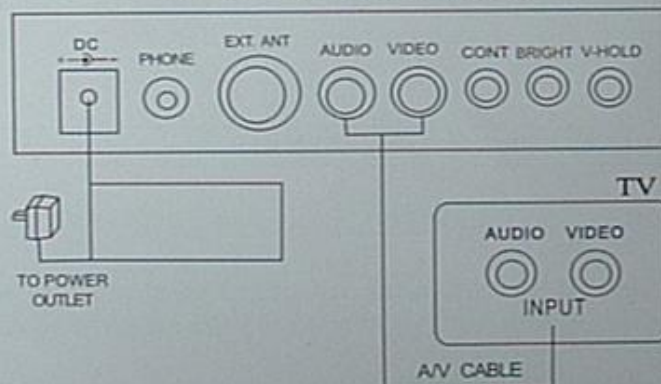
1. The flat face of the antennas on both the transmitter and receiver should be facing one another to get the best picture and sound.
2. Each home or office has different reception. Different construction products, such as foil insulation, heating ducts, steel studs, etc., will create difference reception conditions. It may be necessary to set the right angle of the antenna or move the wireless camera and wireless receiver to get the best reception.

3. When the receiver is working, press TV/MON button to MON status, the unit starts auto scanning. Make sure at least one channel is turned on. Others operation please refer to HOW TO SET UP AUTOMATIC/MANUAL SWITCHING MODE.

OBSERVATION RECEIVING OPERATION WITH TV

1. If your TV has A/V jacks, connect one set of A/V cables (not included) to the TV's A/V jacks and to the A/V jacks on the receiver. Be sure the plugs and jack is yellow match yellow, white match white on both the TV and the receiver.
2. Plug one end of the WW5000 power adaptor into the back of the receiver and the other end into AC outlet. Use only the adaptor provided. Make sure the POWER switch is on the OFF position beforehand.
3. Locate and orient the WW5000 receiver according to the section of this manual titled "HOW TO USE WW5000 FOR OPTIMAL PERFORMANCE."

RECEIVER REAR PANEL



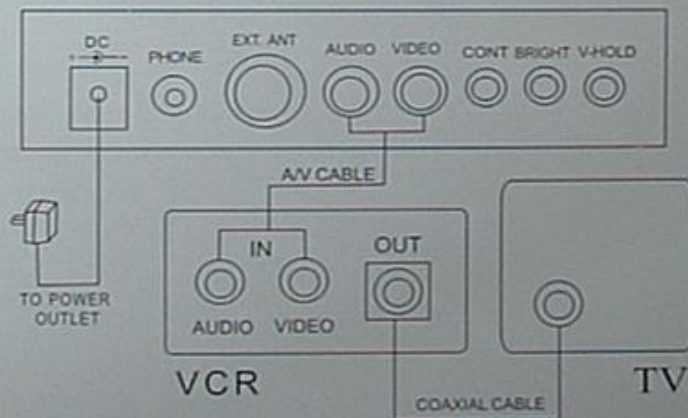
- Each VCR manufacturer uses different method to record.
- Refer to VCR S for specific instructions.

OBSERVATION RECEIVING OPERATION WITH TV & VCR

This setup enables you to record transmitted audio and video on your remote VCR and also enjoy the picture and sound on a remote TV.

1. Connect one set of audio/video (A/V) cables (not included) to the A/V jacks of the receiver and to the jacks on your VCR labeled LINE IN. be sure the yellow and white plugs match the yellow and white jacks on both the WW5000 receiver and the VCR.
2. Use a coaxial cable (not included) to connect the A/V jack on your VCR labeled OUT and TV's EXT. antenna jack.
3. Plug one end of the WW5000 power adaptor into the back of the receiver and the other end into any wall outlet. Use only the adaptor provided. Make sure the POWER switch is on the OFF position beforehand.
4. Locate and orient the WW5000 receiver according to the section of this manual titled "HOW TO USE WW5000 FOR OPTIMAL PERFORMANCE."

RECEIVER REAR PANEL



TROUBLE SHOOTING

If the system does not function properly, check the following points for consulting:

Problems	Cause and remedies	
	Receiver	Camera
No power (no picture/sound)	AC adaptor was not plugged into the outlet properly.	AC adaptor was not plugged into the outlet properly.
Poor reception	Improper antenna direction; improper channel setting	Improper antenna direction
Picture flicking	-----	Strong spotlight in the field of view
Dim picture, picture too bright, too dark	Improper brightness control setting on your TV/Monitor	Lighting source in the field of view
Picture rolls and jumps scrambled picture	Improper V-hold control setting on your TV/Monitor	-----
Picture smaller than screen or volume weak	House current may be too low	House current may be too low