

SYLVANIA

2.4 GHz WIRELESS
AUDIO/VIDEO SENDER
SY696



With remote control extender



296 05 600.6



FCC ID: LB3AV-RECEIVER
FCC ID: LB3AV-SENDER

PLEASE READ BEFORE USE

OWNER'S MANUAL

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Important-Safety Precautions

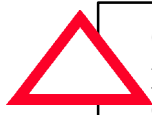
To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

To avoid electrical shock, do not open this product.

This product should be operated using only the power supply included with it or provided as an accessory.

Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

Refer servicing to qualified personnel only.



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 BZT, FCC and CE EMC directive. 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 instruction, 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.

H. Specifications

Transmitter: Output Level Operating Frequency Band Modulation Video Input Level Audio Input Level Video Input Impedance Audio Input Impedance Power consumption Dimensions Weight	90 dB microvolts/meter at 3 meters (comply with FCC, BZT) 2.4 to 2.4835 GHZ FM (video and audio) 1V p-p @ 75 ohm 1V p-p @ 600 ohm 75 ohms 600 ohms 12 Vdc, 350 mA 17.5 X 11 X 4.5 cm (6.9 X 4.4 X 1.8 inches) 370g (13 ounces)
Receiver: Output Level Noise Figure Power Consumption Remote Control Transmitter Frequency Dimensions Weight	1 volt p-p (video), 1 volt p-p (audio) 3.5 dB 12 Vdc, 450 mA 433.92 MHz (PAL) 418MHz (NTSC)* 17.5 X 11 X 4.5 cm (6.9 X 4.4 X 1.8 inches) 425g (15 ounces)

All specifications are subject to change without notice. E & O.E

For More Information

www.strategicvista.com

G. Troubleshooting, Care and maintenance

Please read this owner's manual carefully and follow the steps described in it. If you still have difficulties, consult the following table. It will guide you through the most common problems and their solutions.

Problem	Possible solutions
No picture or sound	Check the power on/off switches on the transmitter and receiver Check power switches on the remote TV and video source (VCR, laser disc player, satellite receiver, etc.) Make sure power plugs are pushed all the way in Check all cable connections
Interference: Noisy picture or audio	Adjust receiver and transmitter antenna orientation (see section on "Orienting Units for Optimal Performance" in this Manual) Select a different channel by pushing the channel selector button on both transmitter and receiver so that the channels match If using a microwave oven, turn it off Remove microwave oven from path between transmitter and receiver.
Remote control extender does not work	Check the path between the transmitter and the audio/video source and clear any obstructions. Check to see if the IR window on the bottom front of the transmitter is blocked Make sure IR extender is properly rotated in the A/V equipment you wish to control (see section on "Using the Remote Control Feature" in this manual) Adjust remote control antennas (see section on "Orienting Units for Optimal Performance" in this manual)



Clean the outside plastic packaging with a soft cloth lightly moistened with mild soap and water. Never use any abrasive scouring powder or solvent.

Table of Contents

A. Introduction to 2.4 GHz Wireless Video Sender.....	3
B. Description of Box Contents.....	4
C. Panel Controls and Features.....	5
D. Setting up System.....	9
Connecting the System Transmitter to:	
VCR.....	10
Satellite Receiver or Laser Disc Player/DVD.....	11
Connecting the System Receiver to:	
Television (or Video Monitor).....	12
VCR.....	13
E. Orienting System for Optimal Performance.....	14
F. Using The Remote Control Feature.....	16
G. Troubleshooting & Care and Maintenance.....	17
H. Specifications.....	18

A. Introduction to 2.4 GHz Wireless Video Sender

Thank you for purchasing the Sylvania 2.4 GHz Wireless Video Sender System. This system is equipped with the latest 2.4 GHz Wireless Technology providing exceptional quality and range. With SY696 you can transmit/receive up to 300 ft distance (open space).

SY696 also integrates an UHF remote control extender to allow you to control the audio or video source from another room using your existing TV remote control.

Using the system, you can enjoy greater convenience and security in many ways:

General Application

Watch the movie you rent on any TV in your home without moving you VCR, laser disc player or running messy cables.

Watch cable or satellite programs on any TV in your home.

Listen to stereo-quality music from your receiver on any powered speakers inside or outside the home.

Show computer images on a remote TV (additional equipment required)

- Send transmissions of video security cameras

Safety & Security Application:

Monitor your sleeping baby, your playing children, the elderly, or the disabled on your TV using your existing camcorder.

See who is outside your door on TV through your camcorder or CCD camera

And many more uses!

F. Using the Remote Control Feature

The system not only allows you to send crisp audio/video from one area to another, it also gives you the ability to control the source using your existing remote control device. It converts the infrared (IR) signal emitted by your remote control to a radio frequency (RF) signal in UHF band at the receiver and sends it back to the transmitter where the RF signal is converted back to the original IR signal and beamed to the audio/video source.

There are two ways to use the remote control feature to control your source A/V equipment to by using the existing remote control.

1. Orient the transmitter unit face to face the source A/V equipment. This will allow the converted IR signal from the IR remote control window to be sent to the source A/V equipment's front panel.
2. Simply connect the IR extender from the transmitter and locate this IR extender near the source A/V equipment front panel.

Sometimes, it may be difficult or even impossible to orient the transmitter unit such that it can be "seen" (face-to-face) by the A/V equipment you wish to control. (This happens when there is no good surface that allows for this or you wish to remotely control A/V equipment in different locations without re-orienting the Sylvania transmitter. In this case, using the extender will be more convenient.

How To Use the IR Extender Accessory

The IR extender connects to the transmitter through its own special connector plug. The extender emits an IR signal, bathing your AV equipment with the remote signal. To use the IR extender, follow the instructions below.

1. Plug the IR extender into the transmitter in rear panel.
2. Orient the end of the IR extender so that it points in the general direction of the IR sensors on the source AV equipment you wish to control. Cut a length of provided fastener strip to secure the IR extender in it's position.
3. Position the receiver so that your remote control signal can strike the IR window on the bottom front of the unit. To use your remote control, point it at the front of the receiver.

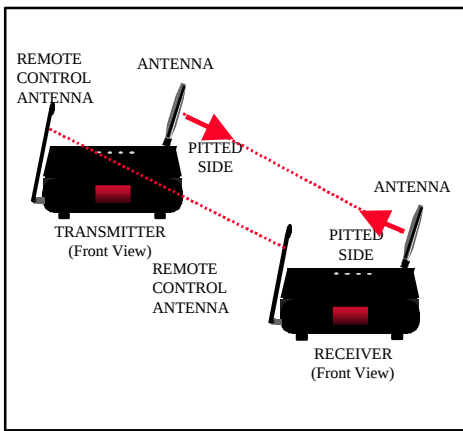


Fig-2:

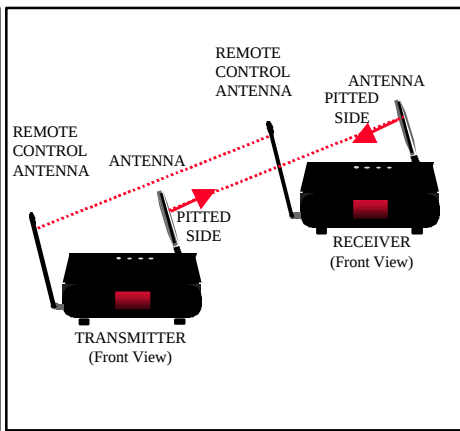


Fig-3:

Orienting the Remote Control Antennas

In order to obtain optimal performance of the remote control extender, the remote control antennas should also be oriented at a right angle to an imaginary line drawn between the transmitter and receiver units.

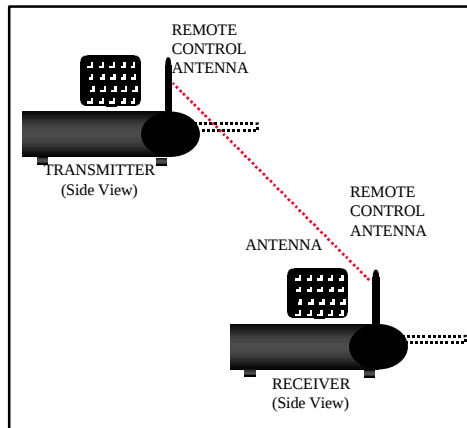


Fig-4

If your remote control extender is not working satisfactorily, rotate the remote control antenna on either the transmitter or receiver 90 degrees so that it is still perpendicular to the path between the units (see Fig-4)

If you notice improved performance, keep this orientation. Rotating the antenna on both units should have no effect.

B. Description of Box Contents

Check to make sure that all of the items shown as below are included with your system. If something is missing, please contact your dealer as soon as possible.



1. Transmitter w/ Remote Receiver



2. Receiver w/ Remote Transmitter



3. Two Power adapters (110VAC to 12VDC)



4. Two Audio/Video RCA cables



5. 75 ohm RF coaxial cable



6. a) IR extender to connect to transmitter's rear panel

b) fastener strips X 2

C. Panel Controls and Features

The following illustrations show the names of each component, button and switch connectors on the transmitter and receiver.

FRONT VIEW

UHF antenna sends and receives remote control signal

Directional 2.4GHz antenna sends or receives audio and video.

Channel indicator lights must be set to same number on both transmitter and receiver

Channel selection button to find optimal reception



Remote control window - infrared passes through this to remotely control audio/video source

E. Orienting Units for Optimal performance

NOTE

The system should be placed on a flat, stable surface to prevent damage to it from falling. For uneven or slick surfaces, such as the top of your TV, audio/video equipment, or entertainment center, fastener strips have been provided to secure the units (cut the strips into smaller squares with scissors).

For optimal performance, both the audio/video and remote control antennas should be carefully oriented as described below. In addition, to use the remote extension feature, the transmitter itself must be specially oriented so it can relay the converted remote control signal back to the audio/video source (see following section titled "Using The Remote Control extension Feature"). For maximum operating range, try to minimize the number of obstacles (e.g. your TV, other electronics, or large furniture) between the transmitter and receiver units.

Orienting the Audio/Video Antennas

The system 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 pitted 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 Fig-1, Fig-2 and Fig-3. Since all homes are different, additional slight pivots or rotations may be necessary for optimum reception. If the transmitter and receiver are less than 10 feet apart, we suggest you keep the antennas flat in their casings since the distance is so short.

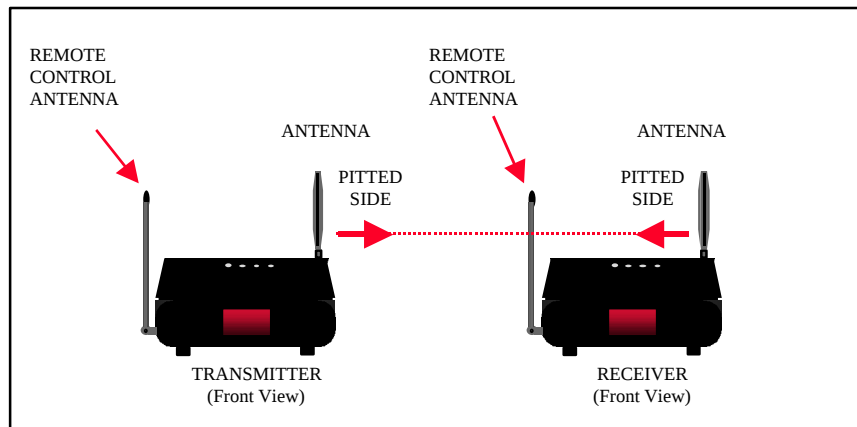


Fig-1: How to orient the 2.4GHz audio and video antennas.

Connecting Receiver to Remote TV through 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 at the same time.

1. Connect one set of audio/video (A/V) cables to the A/V output jacks of the receiver and to the A/V input jacks on your VCR. Be sure the yellow, red and white plugs match the yellow, red and white jacks on both the system receiver and the VCR. If the VCR has only a single jack for audio input, connect the white plug to it.
2. If your TV has A/V input jacks, connect another set of A/V cables to the TV's A/V input jacks and to the A/V output jacks on your VCR.
3. If your TV does not have an A/V input jack, connect the 75 ohm coaxial cable from the TV's antenna in VHF/UHF to the VCR's modulator output.

NOTE

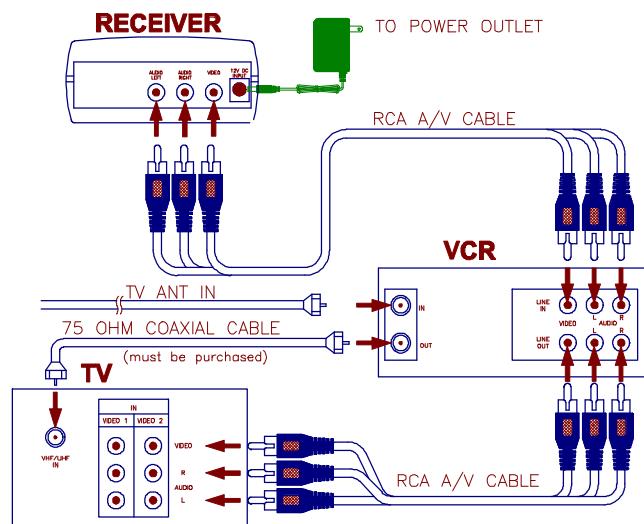
this feature is optional

4. Plug one end of the power adapter into the back of the receiver and the other end into any wall outlet. Use only the adapter provided.

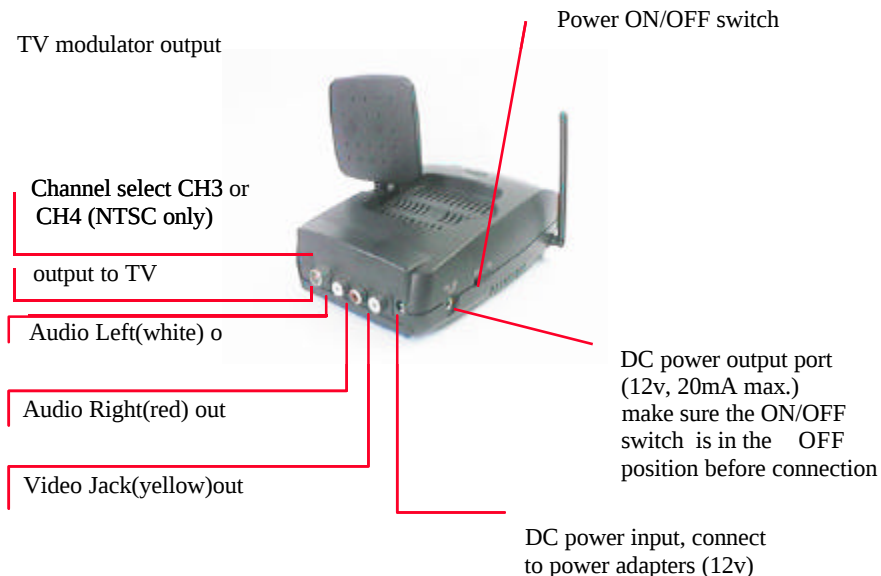
NOTE

make sure the ON/OFF switch is in the OFF position before connection

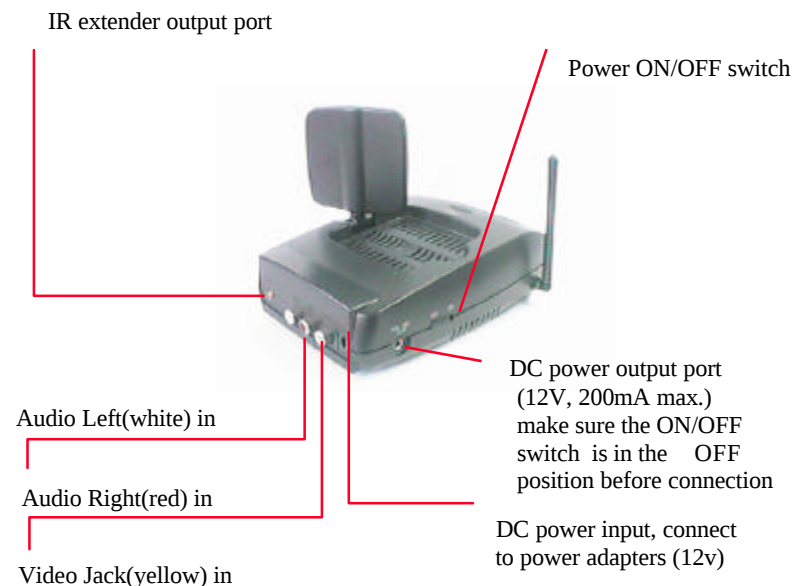
5. Locate and orient the receiver for the best video and sound quality according to the section of this manual titled "Orienting Units for optimal Performance."



REAR VIEW FOR RECEIVER

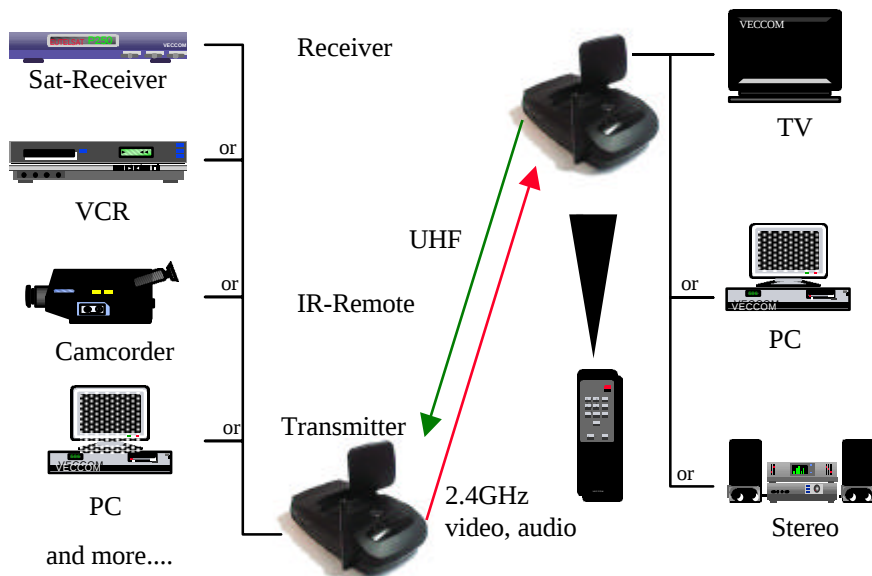


REAR VIEW FOR TRANSMITTER



D. Setting Up System

To enjoy wireless video and audio, just connect the transmitter to whatever audio/video source you want to enjoy from another location, and connect the receiver to the TV, monitor or powered speakers in that other location.



The system is can connect to the following A/V equipment:

Video sources:

- VCR
- Cable box (with A/V output)
- Satellite Receiver
- Laser Disc Player
- Camcorder or Miniature CCD Camera
- Computer

Audio sources:

- Compact Disk Player or Changer
- Stereo Receiver
- Cassette Deck

The following pages will show you how to connect the transmitter to some of this A/V equipment and then demonstrate how to find and connect a good position for the receiver.

Connecting the Receiver

How To Receive Wireless Audio/Video on Your TV

There are two ways to receive wireless audio/video signals on your remote TV (TV in another location such as the bedroom or kitchen):

Connect the receiver directly to the remote TV

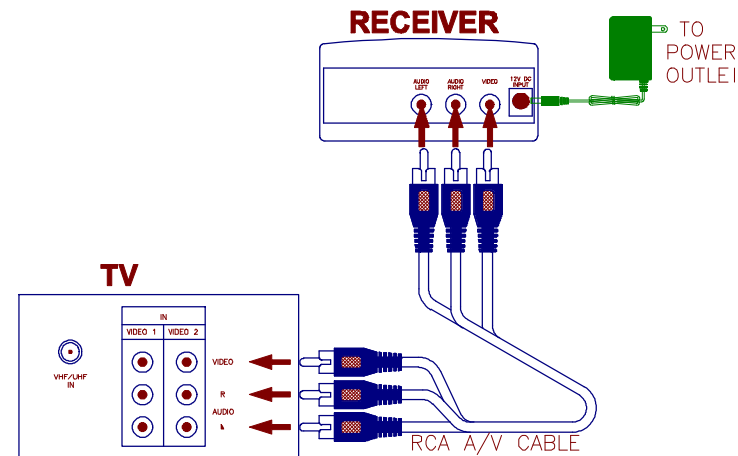
Connect the receiver to a VCR, which is then connected to the TV.



If your TV has picture-in-picture capabilities, you can view any image transmitted by the system, such as your sleeping baby, in a small inset picture while enjoying other programming on the rest of the screen. Consult the owner's manual of your TV for instructions on using these capabilities.

Connecting Receiver Directly to Remote TV

1. If your TV has A/V jacks, connect one set of A/V cables to the TV's A/V jacks and to the A/V output jacks on the receiver. Be sure the yellow, red and white plugs match the yellow, red and white jacks on both the TV and the receiver. If the TV has only a single jack for audio input, connect the white plug to that jack.



2. If your TV does not have an A/V input jack, it's not possible to send the audio/video signal through the receiver's A/V output. Please connect the 75 ohm RF coaxial cable from the system receiver's modulation output to the TV antenna input, and then tune your TV to UHF CH: 36.

How To Transmit Audio/Video from Your Satellite Receiver

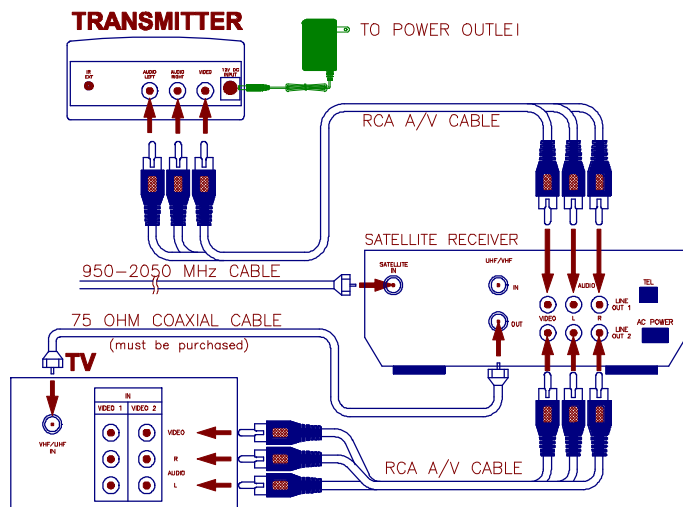
You can transmit audio/video either directly from your satellite receiver, or by connecting it to your VCR. To transmit directly from your satellite receiver, follow the instructions below.

1. Connect one set of audio/video (A/V) cables to the A/V jacks of the transmitter and to the AUDIO/VIDEO OUT jacks of the satellite receiver or laser disc player. Be sure the yellow, red and white plugs match the yellow, red and white jacks on both the satellite receiver/laser disc player and the transmitter.
2. Plug one end of the power adapter into the back of the transmitter and the other end into any wall outlet. Use only the adapter provided.



make sure the ON/OFF switch is in the OFF position before connection

3. If your satellite receiver or laser disc player has only one set of A/V output jacks, please connect the 75 ohm RF coaxial cable from satellite receiver's modulator output port to the TV's VHF/UHF input terminal.
4. Locate and orient the transmitter according to the section of this manual titled "Orienting Units for Optimal Performance" for best transmitter performance.



How To Transmit Audio/Video from Your VCR

1. Connect one set of audio/video (A/V) cables to the A/V jacks of the transmitter and to the A/V output jacks on the back of your VCR. Be sure the yellow, red and white plugs match the yellow, red and white jacks on both the VCR and the transmitter. If the VCR has only one output for audio (mono sound only), connect the white plug to that single audio output and to the transmitter's AUDIO LEFT jack.
2. Plug one end of the power adapter into the back of the transmitter and the other end into any wall outlet. Use only the adapter provided.



make sure the ON/OFF switch is in the OFF position before connection

3. If your VCR has only one set of A/V output jacks and you want to use it with a nearby TV, connect 75 ohm RF coaxial cable from the modulator signal OUT port on your VCR to the VHF/UHF IN port on your TV. (Note: In order to also view cable programs on that TV, connect your incoming cable TV source to the IN port of the VCR.)
4. Locate and orient the transmitter according to the section of this manual titled "Orienting Units for Optimal Performance" for best performance of transmitter.

