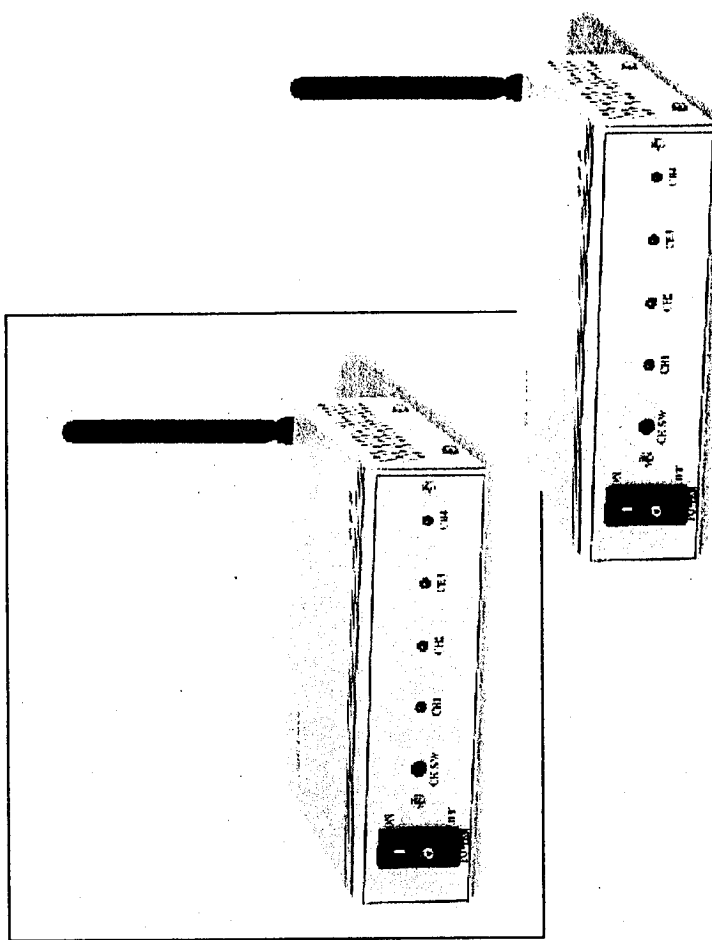


Before operating the system,
please read this manual thoroughly
and keep it for future reference



2.4GHz

2.4GHz WIRELESS TRANSMITTER
WITH COLOR CCD CAMERA &
WIRELESS RECEIVER

FCC Warning

Class B Computing Device

Information to the User

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to part 15 of 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 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 and for additional suggestions.

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

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

	PAGE
SUB - ASSY'S IN THIS UNIT	1
CONTROLS AND FUNCTIONS	2
INSTALLATION	4
1.1. INSTALL OF THE WIRELESS TRANSMITTER	6
2. INSTALL OF THE WIRELESS RECEIVER	14
MULTIPLE CHANNEL OPERATION	19
TROUBLESHOOTING	23
SPECIFICATIONS	24
WARRANTY	25

Basic system includes

- 1- Transmitter with color CCD camera
- 1- Receiver
- 2- UL Approved AC Adaptors
- 1- Installation stand
- 1- RCA AV cable
- 1- RF cable
- 1- User's manual

Optional Items
(Not included)

- Extra wireless transmitter
- Extra wireless receiver
- Lens
- Extra RCA AV cable
- Extra RF cable
- "L" lynch

CHECK LIST PRIOR TO USE

You can use it after checking below instructions

1. Keep a distance at least 10 feet between transmitter and receiver when you install it. Because high frequency radio wave of 2.4GHz may cause an interfering problem between channels, which is the reason of distorted picture on the monitor.
2. Turn and adjust the antenna of transmitter and receiver in order to optimize picture condition. Be aware that maximum turning scope of antenna is 90° toward right and left. Therefore, Do not turn it over 90° degrees to prevent breakage.
3. Be sure to set the adaptor is adjusted correctly to the exact power (120V or 220V you are using) before installation.

For efficient use

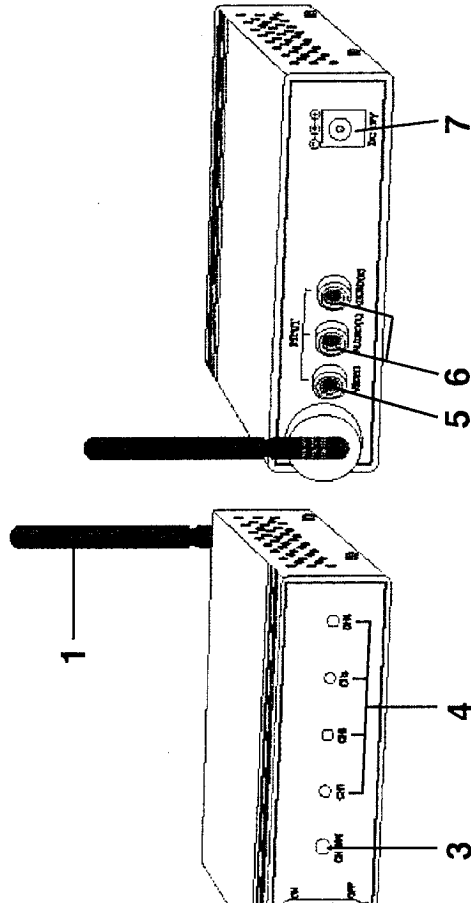
1. External radio wave may cause an interfering problem and geographical features may affect on communication distance.
2. Keep in mind the usage instruction for effective maintenance of your camera.

CONTROLS AND FUNCTIONS

WIRELESS TRANSMITTER

FRONT VIEW

REAR VIEW



1. 2.4GHz A/V ANTENNA
High gain directional dipole antenna receives RF signal to the receiver.

2. POWER SWITCH
Controls power on/off. Be sure to set the switch to OFF position before plugging the DC adaptor into the unit and DC outlet.

3. CHANNEL SELECTOR BUTTON
Push button switch for channel selection.

4. LED CHANNEL INDICATORS
Indicate channel selected.

5. VIDEO INPUT JACK (Yellow)
A jack for video input source connection.

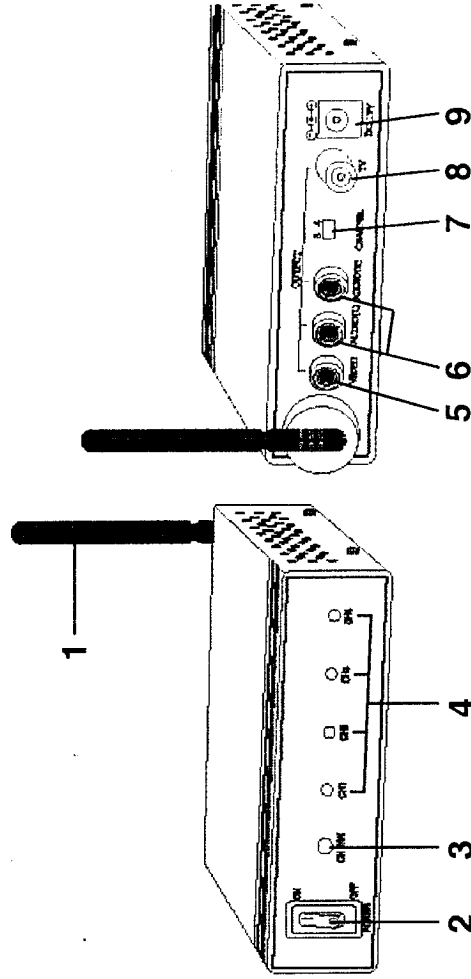
6. AUDIO INPUT JACKS
(Left : White, Right : Red)
RCA L/R jacks for Audio input source connection.

7. DC IN JACK
Connect the supplied 12V 500mA AC adaptor.

WIRELESS RECEIVER

FRONT VIEW

REAR VIEW



1. 2.4GHz A/V ANTENNA
High gain directional dipole antenna receives RF signal.

2. POWER SWITCH
Controls power on/off. Be sure to set the switch to OFF position before plugging the DC adaptor into the unit and DC outlet.

3. CHANNEL SELECTOR BUTTON
Push button switch for channel selection.

4. LED CHANNEL INDICATORS
Indicate selected channel.

5. VIDEO OUTPUT JACK (Yellow)
RCA jack for video output.

6. AUDIO OUTPUT JACK
(Left : White, Right, Red)
RCA L/R jacks for Audio output.

7. RF CHANNEL SELECTOR SWITCH
Channel 3,4 selector switch to operate with TV.

8. RF OUTPUT CONNECTOR
Connector for TV connection.

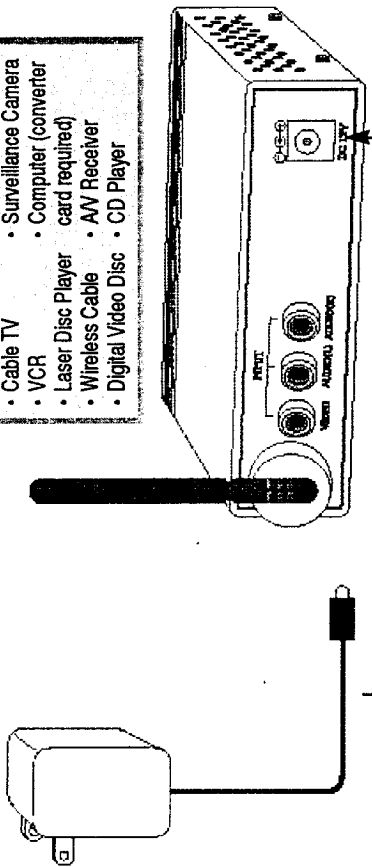
9. DC IN JACK
Power supply from 12V 500mA AC adaptor.

.....

.....

WIRELESS TRANSMITTER

DC 12V 500mA
AC ADAPTOR

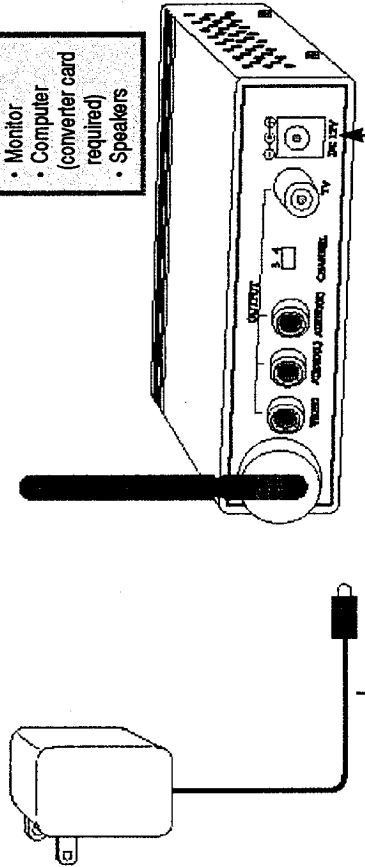


Use the wireless transmitter on or near the AV source unit.

Connect the supplied UL approved 500mA DC adaptor to the DC in jack on the rear panel of the receiver and plug it into the 120V AC outlet.

WIRELESS RECEIVER

DC 12V 500mA
AC ADAPTOR



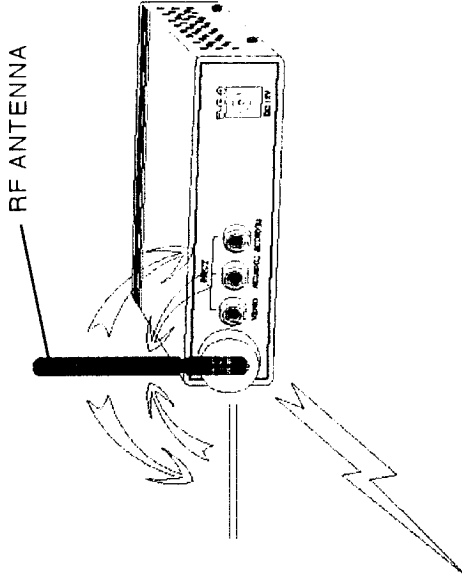
Use the wireless receiver on or near the TV, monitor or other AV unit.

Connect the supplied UL approved 500mA DC adaptor to the DC in jack on the rear panel of the receiver and plug it into the 120V AC outlet.

.....

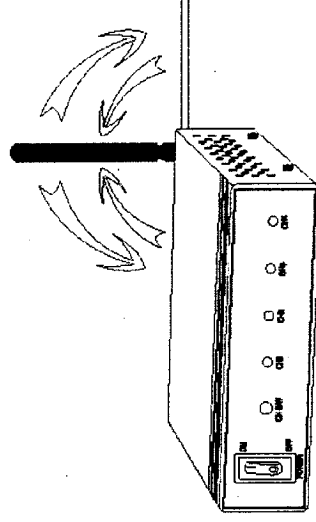
ADJUSTING THE ANTENNA OF THE UNIT

TRANSMITTER



WARNING!

Please do not turn the antenna toward same way more than 90 degrees.



RECEIVER

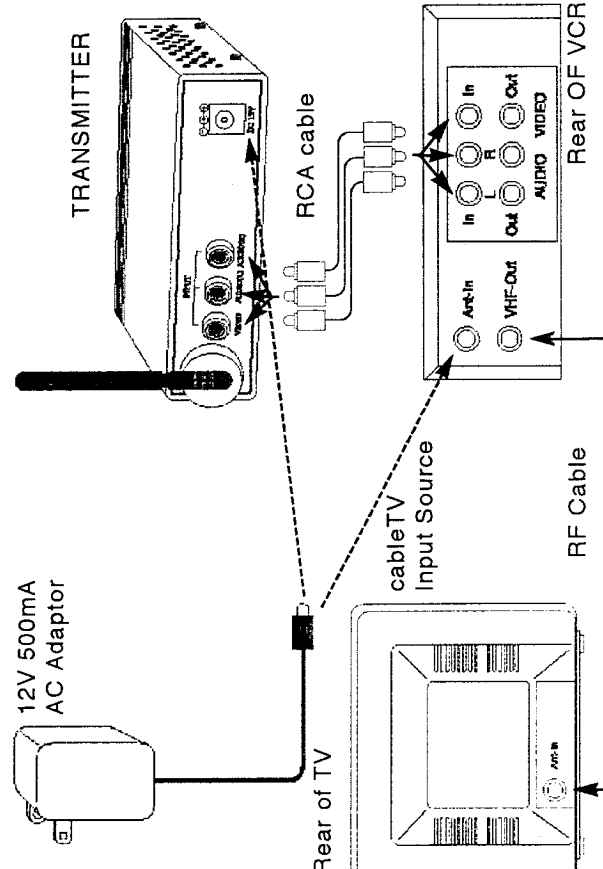
IMPORTANT NOTE FOR CHANNEL SELECTION

Search the CH 1-CH 4 and select best one for optimum reception in your area. Both Transmitter and Receiver must be set to same channel.

.....

INSTALL OF THE WIRELESS TRANSMITTER

MAXIMUM RANGE IS 300 FT, WITHOUT LOSS OF ANY
PICTURE / SOUND QUALITY



Be sure to set the Power on the transmitter to the OFF position before processing
following steps.

1. Connect one end (triple plugs) of the RCA cable to the Audio/Video jacks at the rear of
Transmitter. Plug the other end of RCA cables into the Audio/Video Out jacks on
VCR. Be sure to match the plug color on the cables in both connection. If your VCR
only one audio out jack (mono sound), connect the white plug (Audio-L) to your

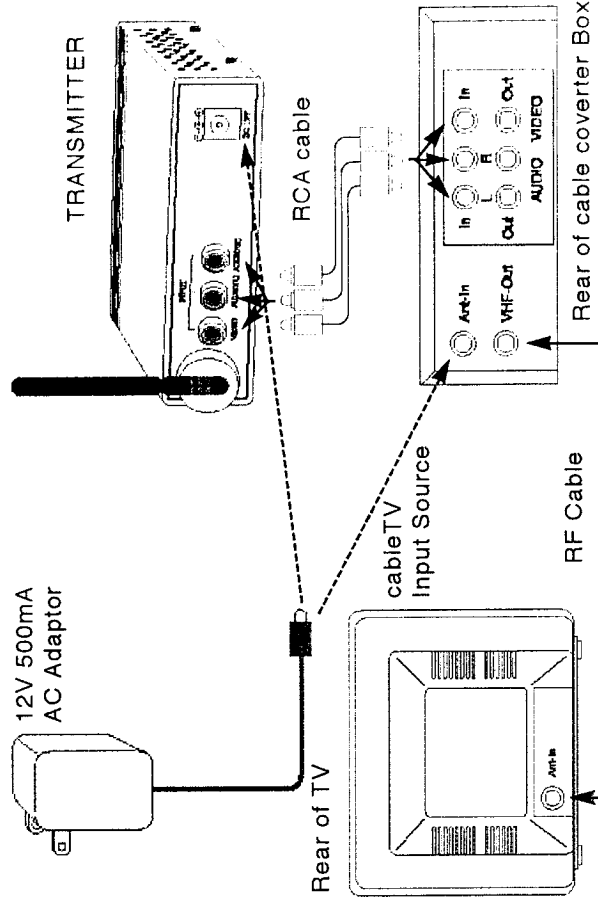
2. If you want to use the system with a nearby TV, plug one end of the supplied RF cable
the VHF Out jack at your VCR. Connect the other end of the RF cable to the
Antenna in jack on your TV.

3. Connect cable transmission on your TV without cable converting box, plug cable TV
it source to the VHF in jack on your VCR.

4. Turn on the transmitter by setting the Power Switch to the ON position. Search the
channel 1-4 by selecting Channel Selector Switch on the Transmitter and select best
for optimum reception in your area.

5. Adjust the antenna direction as necessary.

.....



Note : Be sure to set the Power on the transmitter to the OFF position before processing
following steps.

1. Connect one end of RCA cable to the Audio/Video jacks at the rear of the transmitter.
Plug the other end of RCA cables into the Audio/Video Out jacks on your cable
converter box. Be sure to match the plug color on the cables in both connection.
If your cable converter box has only one audio out jack on your cable converter box.

2. For viewing cable signal through the nearby TV, connect the supplied RF cable to the
Antenna Out jack on your converter box and plug it into the Antenna in jack on your TV.

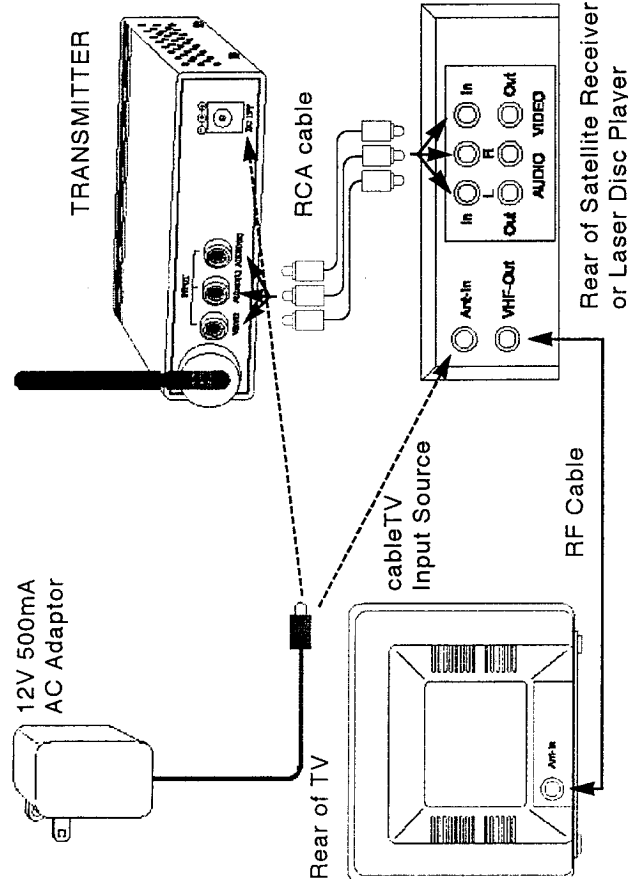
3. Turn on the transmitter by setting the Power Switch to the ON position. Search the
channel 1-4 by pressing Channel Selector Switch on the transmitter and select best one
for optimum reception in your area.

Note : Both transmitter and Receiver units must be set to same channel.

4. Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS TRANSMITTER



Note : Be sure to set the Power Switch on the transmitter to the OFF position before processing following steps.
Connect one end of RCA cable to the Audio/Video Out jacks at the rear of the transmitter. Plug the other end of RCA cables into the Audio/Video Out jacks on your satellite receiver or laser disc player. Be sure to match the plug color on the cables in both connection.

Connect the supplied RF cable to Antenna Out jack on satellite receiver or laser disc player and connect it into Antenna in jack on your TV.

Turn on the transmitter by setting the Power Switch to the ON position. Search the channel 1-4 by pressing Channel Selector Switch on the transmitter and select best one optimum reception in your area.

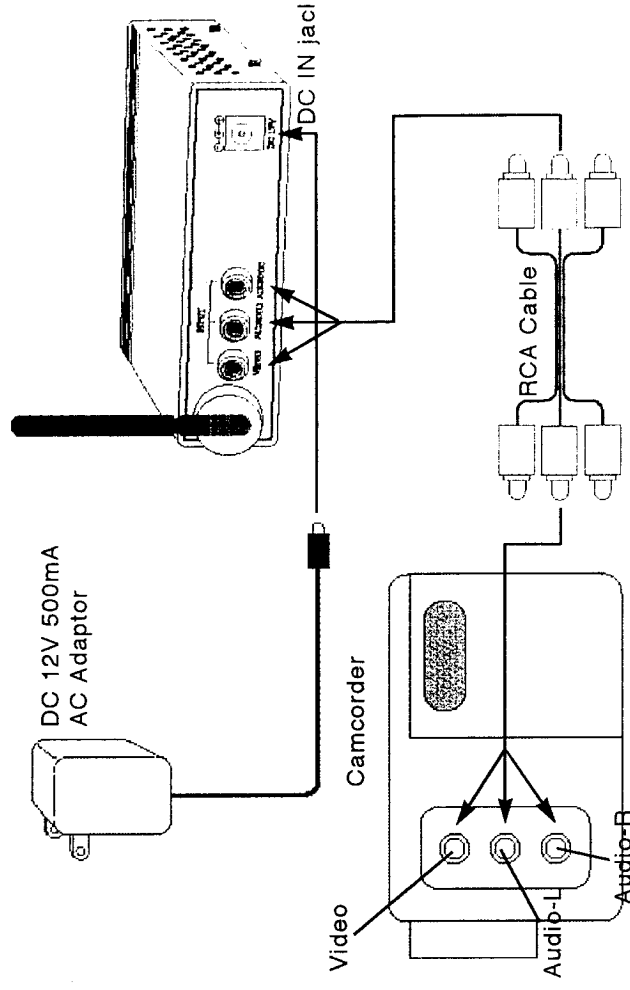
Note : Both transmitter and Receiver units must be set to same channel.

Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS TRANSMITTER TRANSMITTING AUDIO/VIDEO FROM CAMCORDER

The system can be used with any camcorder as a wireless monitoring system.



Note : Be sure to set the Power Switch on the transmitter to the OFF position before processing following steps.

Place your camcorder near the object you want to monitor, such as a sleeping baby, the playing children, the elderly, or the disabled.

Connect one end(triple plugs) of the RCA cable to the Audio/Video Out jacks at the rear of the transmitter. Plug the other end of RCA cables into the Audio/Video Out jacks on your camcorder. Be sure to match the plug color on the cables in both connection.

If your camcorder has only one audio out jack (mono sound), connect the white plug(Audio-L) to single audio out jack on your camcorder.

Note : Some camcorders require to use an adaptor patch cable that supplied with camcorder.

Turn on the transmitter by setting the Power Switch to the ON position. Search the channel 1-4 by pressing Channel selector Switch on the transmitter and select best one optimum reception in your area.

Note : Both transmitter and Receiver units must be set to same channel.

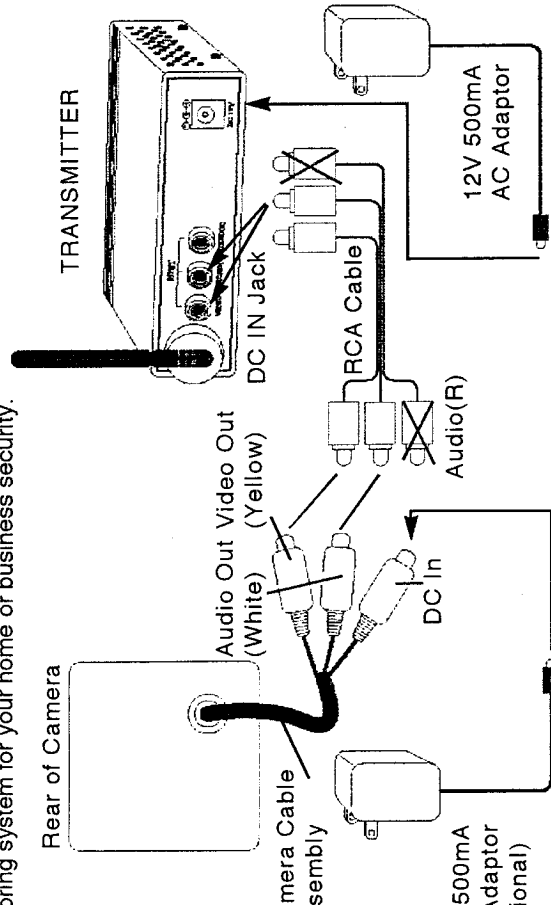
Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS TRANSMITTER

TRANSMITTING AUDIO/VIDEO FROM CCD VIDEO CAMERA

You can transmit signals from several AV sources to a remote location using the Wireless Transmitter as most AV receivers have multiple input and output jacks.



Note : Be sure to set the Power Switch on the transmitter to the OFF position before processing following steps.
1. Connect the RCA cable (1) to the Audio/Video Out jacks on any source units you want to use and plug the other end into the Audio/Video jacks on your AV receiver.
Be sure to match the plug color on the cables in both connection.

2. Plug another set of RCA cables (2) into the Audio/Video jacks on the transmitter and connect the other end to the Audio/Video Out jacks on your AV receiver.

3. If you also want to connect your CD player to the system, plug one end of RCA cables (3-optional) into the Line-Out (L/R) jacks on your CD player and connect the other end to the CD in (L/R) jacks on your AV receiver.

4. Turn on the transmitter. Search the channel 1-4 by pressing Channel Selector Switch on the transmitter and select best one for optimum reception in your area.

Note : Both transmitter and receiver units must be set to same channel.

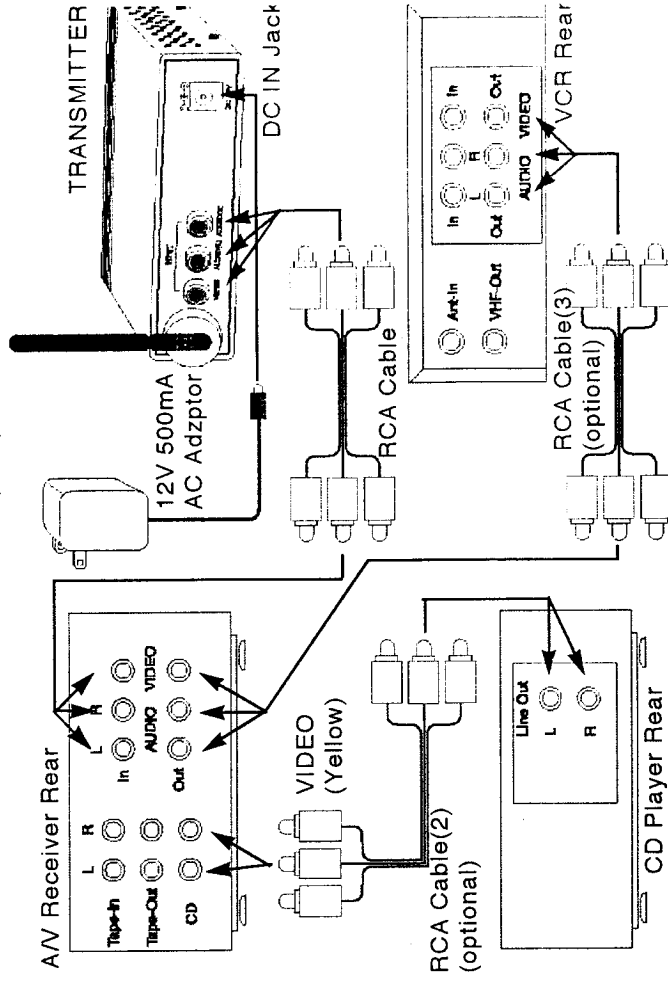
Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS TRANSMITTER

TRANSMITTING AUDIO/VIDEO FROM CCD VIDEO CAMERA

You can transmit signals from several AV sources to a remote location using the Wireless Transmitter as most AV receivers have multiple input and output jacks.



Note : Be sure to set the Power Switch on the transmitter to the OFF position before processing following steps.

1. Connect the RCA cable (1) to the Audio/Video Out jacks on any source units you want to use and plug the other end into the Audio/Video jacks on your AV receiver.
Be sure to match the plug color on the cables in both connection.

2. Plug another set of RCA cables (2) into the Audio/Video jacks on the transmitter and connect the other end to the Audio/Video Out jacks on your AV receiver.

3. If you also want to connect your CD player to the system, plug one end of RCA cables (3-optional) into the Line-Out (L/R) jacks on your CD player and connect the other end to the CD in (L/R) jacks on your AV receiver.

4. Turn on the transmitter. Search the channel 1-4 by pressing Channel Selector Switch on the transmitter and select best one for optimum reception in your area.

Note : Both transmitter and receiver units must be set to same channel.

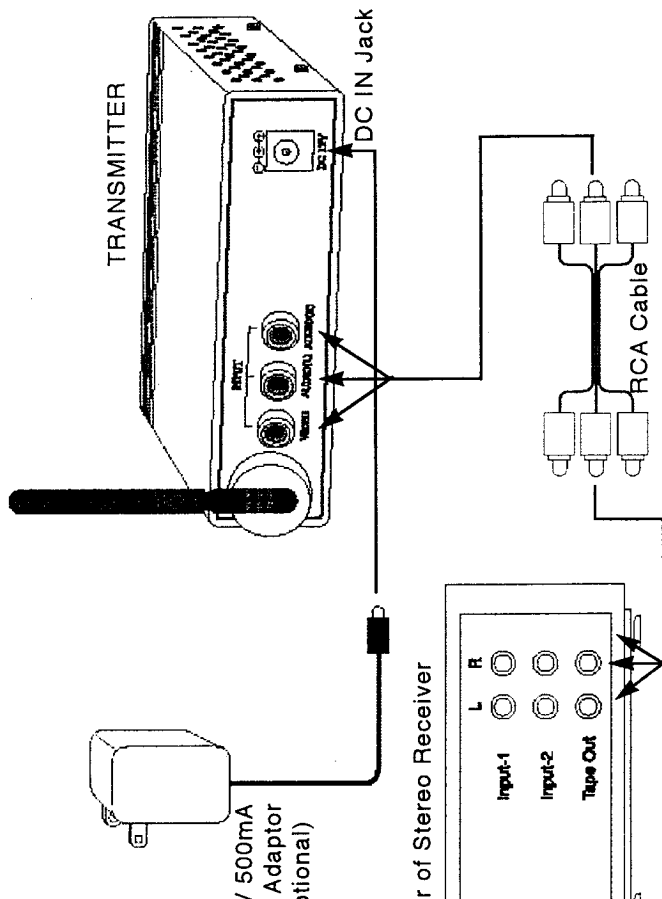
5. Adjust the antenna direction as necessary.

.....

INSTALLATION OF THE WIRELESS TRANSMITTER

TRANSMITTING SOUND FROM STEREO RECEIVER

You can transmit sound from your CD player, cassette deck, or radio to your speakers in your room using the Wireless Transmitter.



1. Be sure to set the Power Switch on the transmitter to the OFF position before proceeding following steps.

2. Connect the RCA cables to the Audio (L/R) jacks on your transmitter and plug it into the Line Out (L/R) jack on your stereo receiver. (Connect to Line-Out jacks, in case of cassette deck or CD player)

3. Turn on the transmitter. Select the channel 1-4 by pressing Channel Selector switch on the transmitter and select best one for optimum reception in your area.

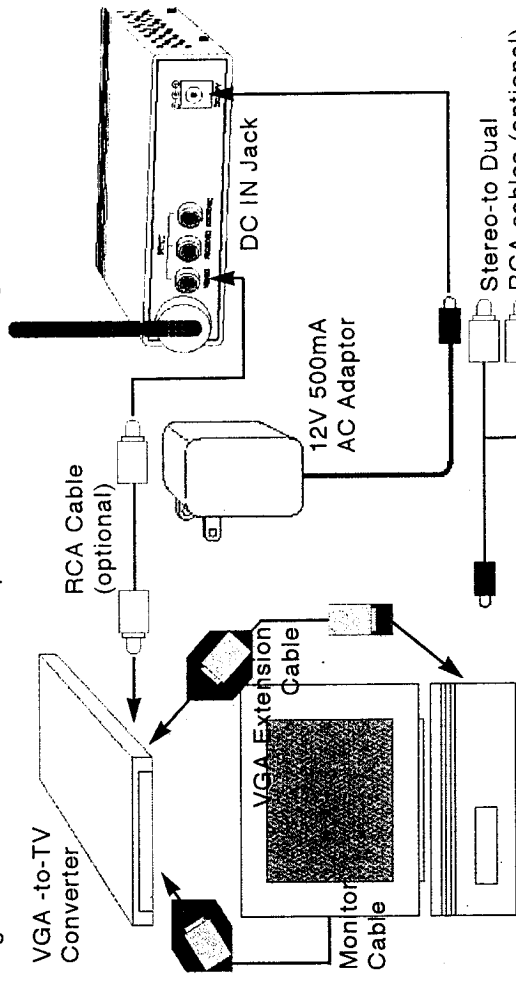
Note: Both transmitter and receiver units must be set to same channel. Adjust the antenna direction as necessary.

.....

INSTALLATION OF THE WIRELESS TRANSMITTER

TRANSMITTER AUDIO/VIDEO FROM YOUR COMPUTER

System also sends image and sound from computer to any TV in your home or office using a sound card and a VGA-to-TV converter (both can be purchased at local computer store). This feature allows you to send A/V signals from your desktop or laptop computer to a large TV screen in another room for presentation without running cables.



Note: Be sure to set the Power Switch on the transmitter to the OFF position before proceeding following steps.

1. Connect the monitor cable from your computer to the VGA Out port on the VGA-to-TV converter.

2. Plug a VGA extension cable (supplied with converter) to the VGA port on your CPU unit and connect it to the VGA In port on VGA-to-TV converter.

3. Connect one end of the RCA cable (Yellow Plug) to the Video jack on VGA-to-TV converter and plug the other end (Yellow plug) into the Video jack on the transmitter.

4. Connect 3.5mm stereo-to-dual RCA plug cables from sound card to the transmitter. Plug 3.5mm stereo plug into the sound card and connect dual RCA plug to the Audio-L and Audio-R jacks at the rear of the transmitter.

5. Turn on the transmitter. Search the channel 1-4 by pressing Channel Selector switch on the transmitter and select best one for optimum reception in your area.

Note: Both transmitter and receiver units must be set to same channel.

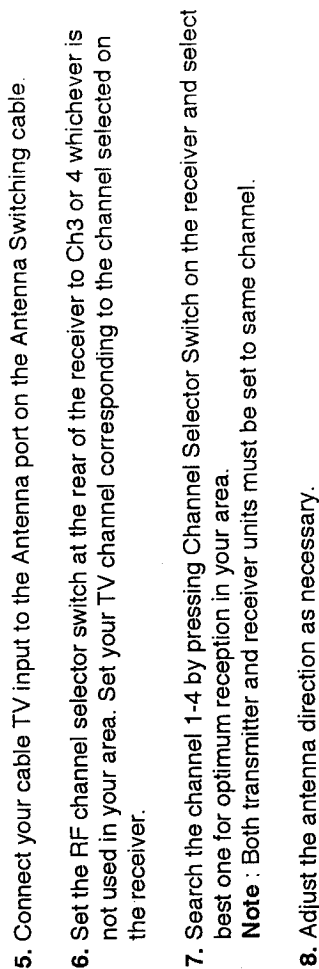
6. Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS RECEIVER

RECEIVING AUDIO/VIDEO ON REMOTE TV (Cont'd)

4. Connect one end of another RF cable (2) to the RF Out jack on the receiver unit and the other end into the receiver port on the Antenna Switching cable.



Be sure to match the plug color on the cables in both connection.

turn on the receiver. Set your TV to Video mode to view the receiving A/V signal from a receiver.

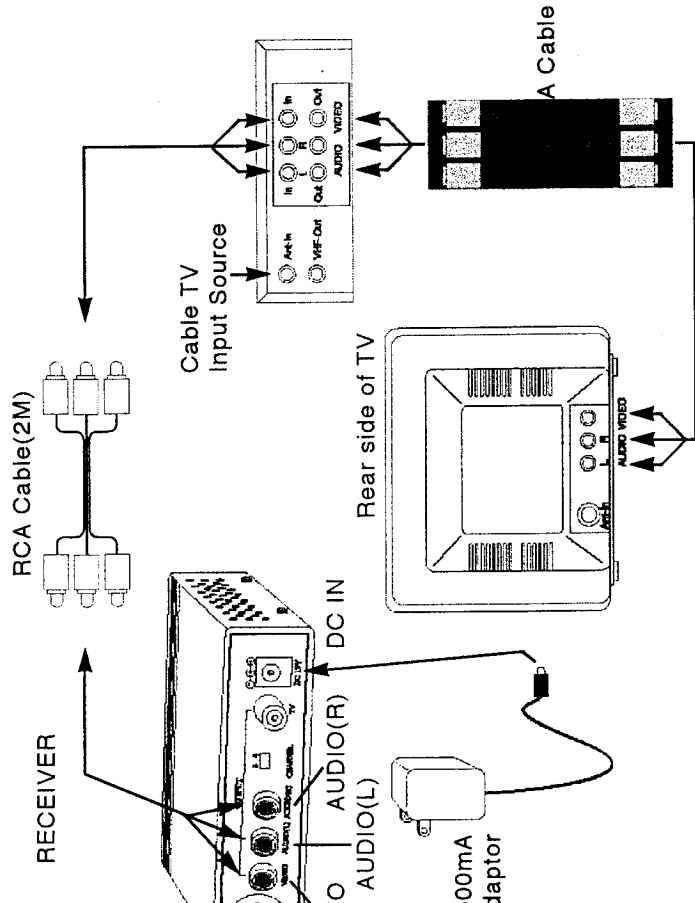
Note: System includes only one RF cable and additional RF cable is optional. Please check enclosed order form for additional order.

.....

INSTALL OF THE WIRELESS RECEIVER

RECEIVING AUDIO/VIDEO ON REMOTE TV THROUGH VCR

You can connect both units with either RCA cables or RF cables.



Note : Be Sure to set the Power Switch on the receiver to the Off position before processing followings by steps.

1. Connect one end (triple plugs) of the RCA cables to the Audio/Video jacks at the rear of the receiver. Plug the other end of RCA cables into the Audio/Video jacks on your TV.

2. If your VCR has single audio input jack, connect white RCA plugs (Audio-L) in both connection.

3. Connect one end of another RCA cable to the Audio/Video jacks on your TV. Plug the other end of RCA cable into the Audio/Video jacks on your VCR.

4. Turn on the receiver. Set your TV to the Video mode to view the receiving signal from the receiver.

5. Search the channel 1-4 by pressing Channel Selector Switch on the receiver and select the one for optimum reception in your area.

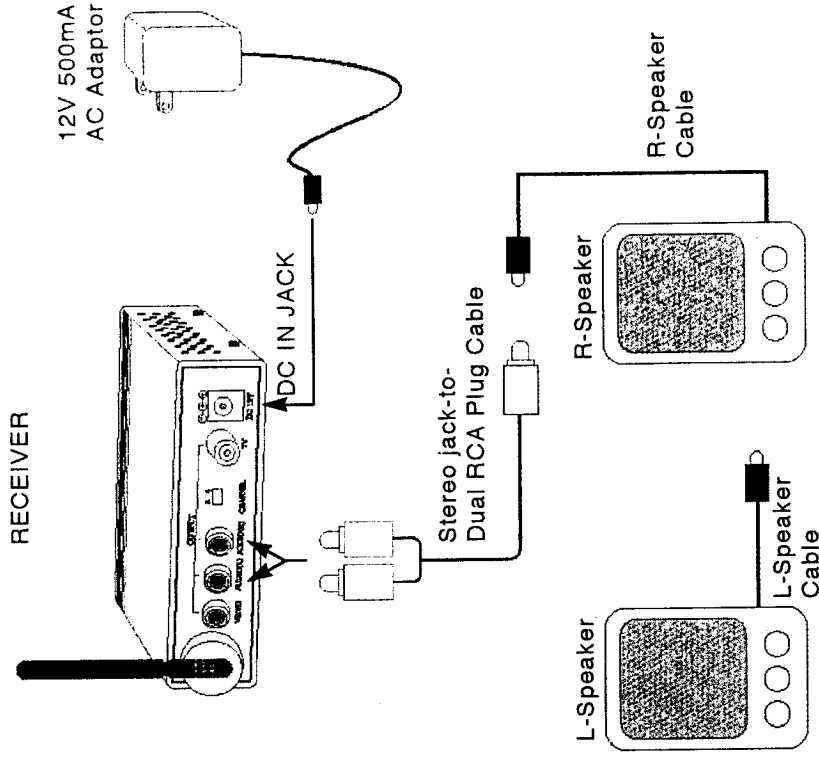
Note : Both transmitter and Receiver unit must be set to same channel.

6. Adjust the antenna direction as necessary.

.....

INSTALL OF THE WIRELESS RECEIVER

RECEIVING AUDIO ON REMOTE AMPLIFIED SPEAKERS



Note : Be Sure to set the Power Switch on the Receiver to the OFF position before processing following steps.

1. Connect a 3.5mm stereo jacks-to dual RCA plug cable(optional) to the receiver and right speaker. Connect the red and white plugs to the Audio L/R jacks on the receiver and connect 3.5mm stereo jacks to the R-Speaker cable.

2. Plug the speaker cable to the R-Speaker.

3. Turn on the receiver. Search the channel 1-4 by pressing Channel Selector Switch on the receiver and select best one for optimum reception in your area.

Note : Both Transmitter and receiver unit must be set to same channel.

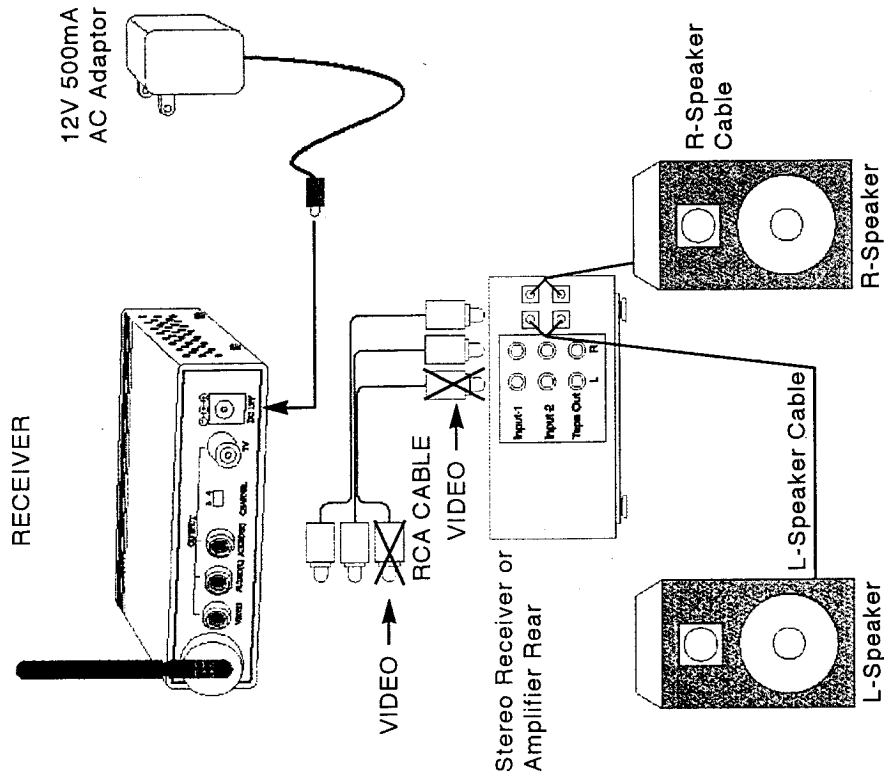
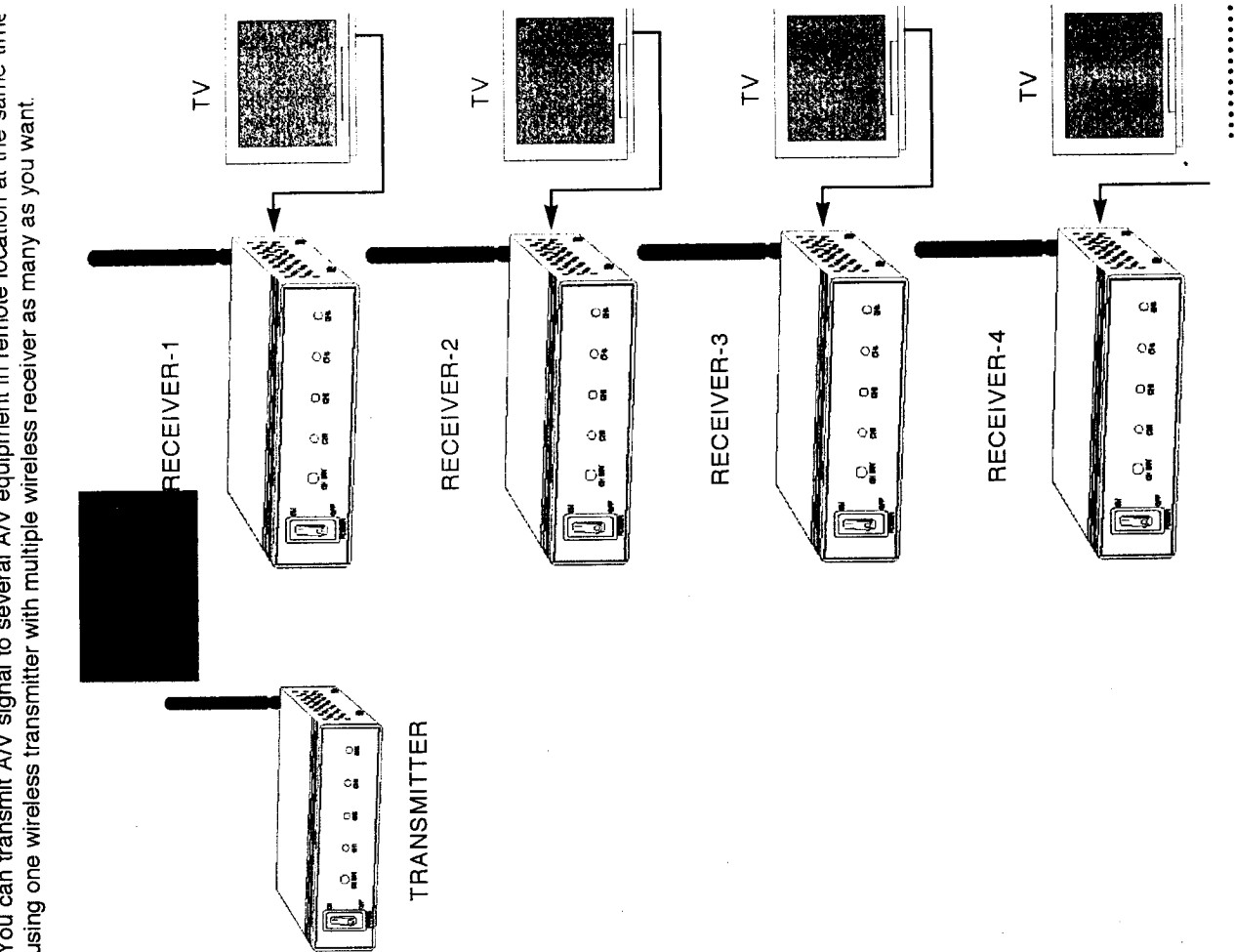
4. Adjust the antenna direction as necessary.

.....

MULTIPLE CHANNEL OPERATION

ONE TRANSMITTER AND MULTIPLE RECEIVER OPERATION

You can transmit A/V signal to several A/V equipment in remote location at the same time using one wireless transmitter with multiple wireless receiver as many as you want.



3. Be Sure to set the Power Switch on the receiver to the OFF position before pressing following steps.

Connect one end of another RCA cable to the Audio L/R jacks on the receiver and plug the other end into the Audio L/R jacks on your stereo receiver or amplifier unit.

connect speaker cable from your speakers to your stereo receiver or amplifier as usual.

Turn on the receiver. Search the channel 1-4 by pressing Channel Selector Switch on receiver and select best one for optimum reception in your area.

Note: Both transmitter and receiver unit must be set to same channel.

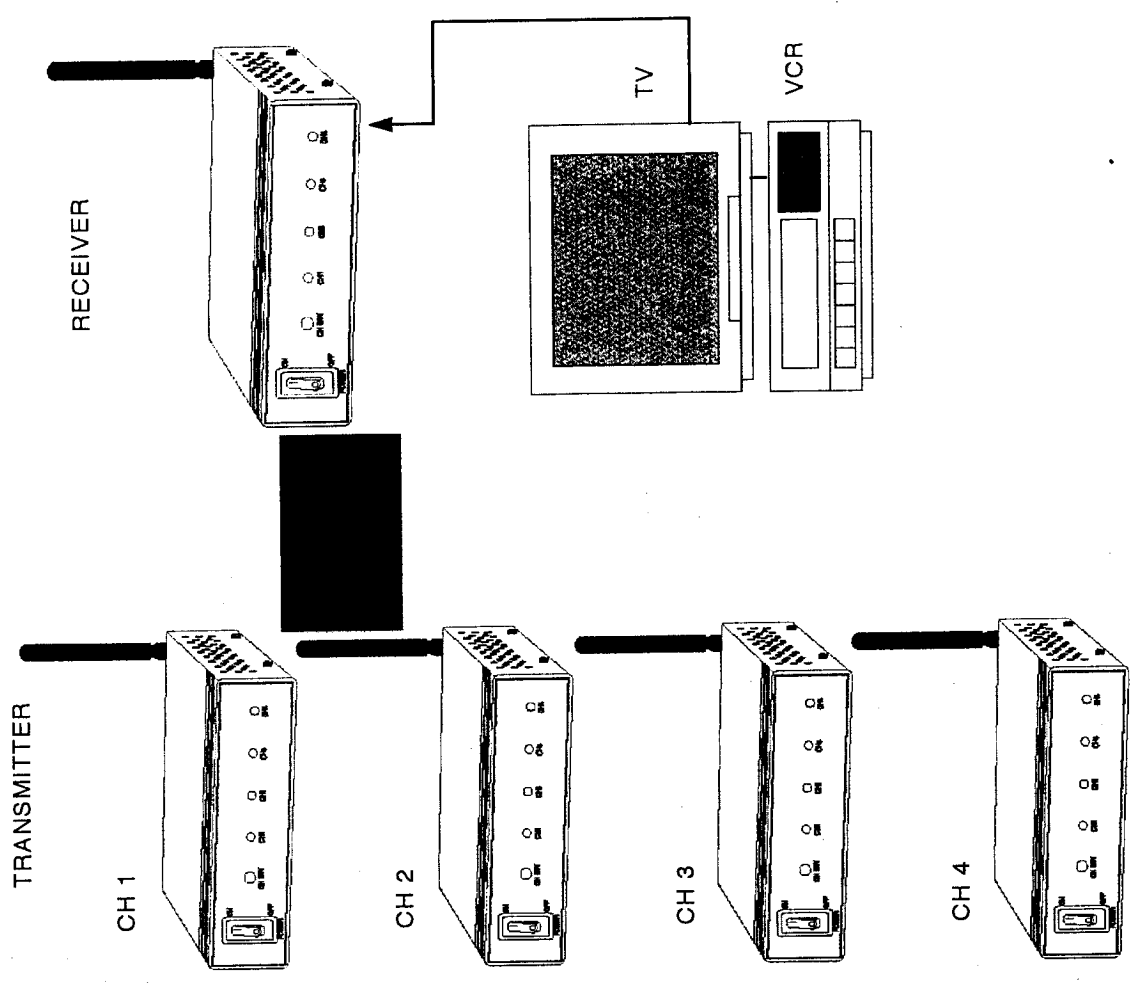
Just the antenna direction as necessary:

•
•
•
•
•
•
•
•

MULTIPLE CHANNEL OPERATION

ONE RECEIVER AND MULTIPLE TRANSMITTER OPERATION (Con'd)

You can transmit signals from several transmitters to a remote location with one wireless receiver as this system has 4 wireless channel capability. You can watch 4 different A/V's by pressing the channel selection switch on the receiver.



.....

MULTIPLE CHANNEL OPERATION

ONE TRANSMITTER AND MULTIPLE RECEIVER OPERATION (Con'd)

Be sure to set the Power Switch on the transmitter and the receiver to the OFF position before processing following steps.

Connect all receiver units to your TV with or without VCR using RCA cables (see instructions on page 8).

Note: System includes only one receiver unit, and additional units are optional. See closed order form for additional order.

Turn on your transmitter. Select one of the transmission channel 1-4 (corresponding to receiver) by pressing Channel Selector switch on the transmitter unit.

Turn on all TVs which are connected to the receiver unit. Set your TV to video mode.

Turn on all receiver units. Search the channel 1-4 by pressing Channel Selector Switch on the receiver and select best one for optimum reception in your area.

Note: All receiver and transmitter unit must be set to same channel.

Adjust the antenna direction as necessary.

.....

PLE CHANNEL OPERATION

RECEIVER AND MULTIPLE TRANSMITTER OPERATION (Con'd)

Be sure to set the Power Switch on the transmitter and receiver to the OFF position processing following steps.

Connect the receiver unit to your TV with or without VCR using RCA cables as instructions on 8)

on on all of transmitters. The transmitters must use different channel. Select the channel 1-4 for each unit by pressing Channel Selector Switch on each transmitter.

on on your remote TV that is connected to the receiver. Set your TV to video mode. on on the receiver.

u can select the channel 1-4 one by one manually by pressing Channel Selector tch on the receiver. Your TV will display the signal from different transmitter as ected.

ust the antenna direction as necessary.

TROUBLESHOOTING

IF THE SYSTEM DOES NOT FUNCTION PROPERLY, CHECK THE FOLLOWING POINTS BEFORE CONTACT OF THE SERVICE CENTER

Problem	Causes and remedies
No power (no picture/sound)	- AC adapter not plugged in or improper adapter connection - Power switches on transmitter and receiver not turned on. - Power switches on TV not turned on. - Improper AV cable connection.
Poor reception	- Adjust transmitter & receiver antenna direction. - Improper channel 1-4 selection.

.....

.....

IFICATIONS

TRANSMITTER WITH CAMERA

UENCY RANGE	2410 ~ 2483.5 MHz
ER SUPPLY	DC 12V
UTPUT POWER	10mW
IOUS EMISSION	-40 dBc
UT IMPEDANCE	50Ω NOMINAL
ATING TEMPERATURE	-10°C ~ +60°C
ER CONSUMPTION	360 mA
HT	310g
(except antenna)	116(L) X 111(W) X 32(H)

WARRANTY

The warranty of this product is specified by separate warranty registration card.

HOW TO OBTAIN FACTORY SERVICE

RECEIVER

IVING METHOD	HETERODYNE
ODULATION METHOD	FM
ILLATION METHOD	PLL
IO RESPONSE	300-3000Hz
SITIVITY	≤ -80 dBm
MODULATOR	NTSC OR PAL
EO OUTPUT	1V P-P (COMPOSITE SIGNAL)
IO OUTPUT	1V P-P
WER SUPPLY	DC 12V
WER CONSUMPTION	360 mA
GHT	440g
E (except antenna)	116(L) X 111(W) X 32(H)

.....

.....