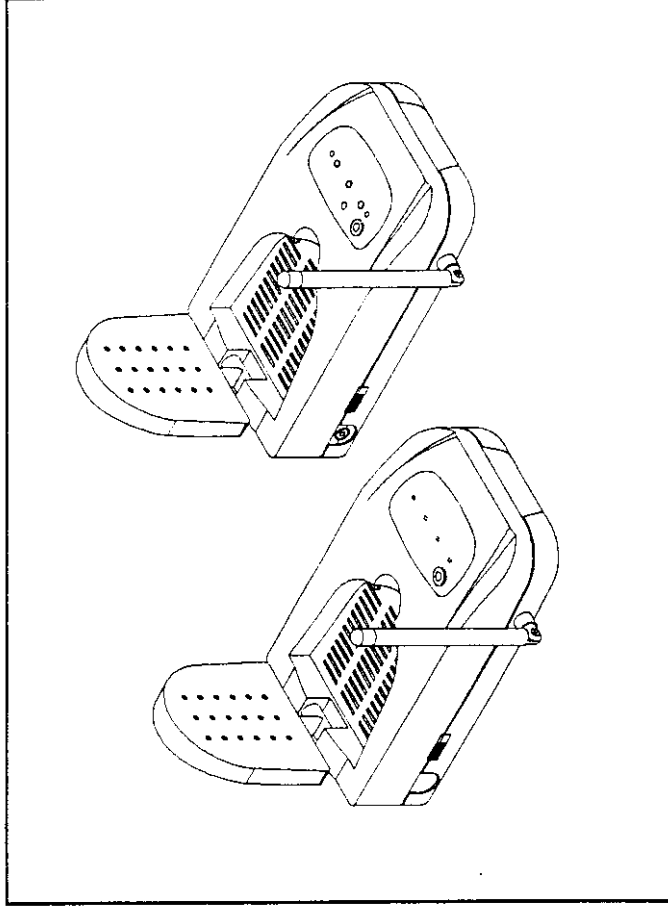


Exhibit E..... User's Manual

PCPresenter

2.4GHz WIRELESS SYSTEM



- Before operating the unit, please read this manual thoroughly.

— OPERATING INSTRUCTIONS —

SPECIFICATIONS

WIRELESS TRANSMITTER

Output Level	90 dB microvolts/meter at 3 meters (comply with FCC, BZT)
Operating Frequency Band	2.4 to 2.4835 GHz
Modulation	FM (video and audio)
Video Input Level	1V p-p @ 75 ohm
Audio Input Level	1V p-p @ 600 ohm
Video Input Impedance	75 ohms
Audio Input Impedance	600 ohms
Power consumption	12 Vdc, 700 mA
Dimensions	18.2 X 11 X 5.5 cm (7.2 X 4.4 X 2.2 inches)
Weight	370 g (13 ounces)

WIRELESS RECEIVER

Output Level	1 volt p-p (video), 1 volt p-p (audio)
Noise Figure	3.5 dB
Power Consumption	12 Vdc, 450 mA
Remote Control Transmitter	
Frequency	433.92 MHz (PAL), 418 MHz (NTSC)*
Dimensions	18.2 X 11 X 5.5 cm (7.2 X 4.4 X 2.2 inches)
Weight	425 g (15 ounces)

*For Model GN301 only

All specifications are subject to change without notice.

Basic system includes

- 1- Wireless Transmitter
- 1- Wireless Receiver
- 2- AC Adaptors
- 2- RCA A/V Cables or Scart to RCA Cable
- 1- mini - stereo to two RCA connector Cable
- 1- VGA Y - Cable
- 1- Infrared extender
- 1- Operating Instructions

9. Set **NORMAL/PASS** switch (located on the left side of the transmitter) to **NORMAL**.

Note : Transmitter RCA A/V connections are bidirectional (input/output). When set to **NORMAL**, RCA port receives (input) A/V signals from any source and transmits them to the receiver. When set to **PASS** (output), RCA port transmits A/V signals from the PC VGA card to the transmitter's RCA **VIDEO** port.

10. Connect 12V DC power adapter to transmitter and power on transmitter.

Note : If VGA input and A/V input are connected at the same time, the transmitter automatically switches to VGA input and disables the A/V input. To use the transmitter only as an A/V program sender, disconnect VGA cable.

11. Press transmit (TX) button (located on top of transmitter).
 12. Power on computer.
- Proceed to Receiver Installation to Video Display Device.

Receiver Installation to Video Display Device

Warning : Electrical hazard present. Power to all devices must be off before connecting.

Cautions : IR antenna is fragile. Handle with care and grasp only at its base to position upward.
Should you need to replace the 12V power adapter for transmitter or receiver, new adapter must match the transmitter or receiver voltage and polarity.
Use of the wrong voltage and /or polarity can destroy the PCPresenter system.

Receiver and video display device (such as a TV or VCR connected to a TV) hookup (Figure 1-6 through Figure 1-9).

To connect the receiver to a TV or VCR

1. Power off video display device and receiver.

Note : If connecting to a TV that doesn't have RCA A/V inputs, use the TV's terminal lug connections.

2. Using A/V RCA cable, connect yellow (**VIDEO**), red (**AUDIO RIGHT**), and white (**AUDIO LEFT**) plugs to both the receiver and TV or VCR.

Installing PCPresenter Hardware

When PCPresenter is connected between your computer (PC or Notebook) and monitor, it must remain powered on (that is, leave the 12V DC adapters attached) or your VGA monitor will lose its display. When the VGA signal is no longer being sent, PCPresenter automatically switches off while retaining its last settings.

Transmitter and Receiver Connections and Functions

Figure 1-1 through Figure 1-5 illustrate the connections and functions of the PCPresenter transmitter and receiver.

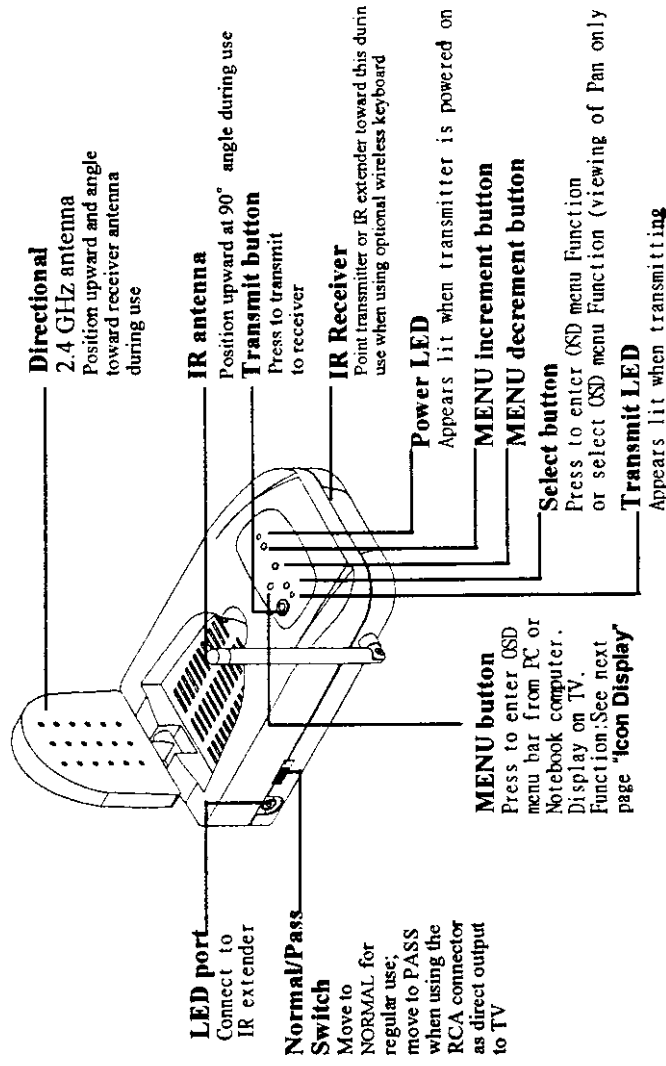
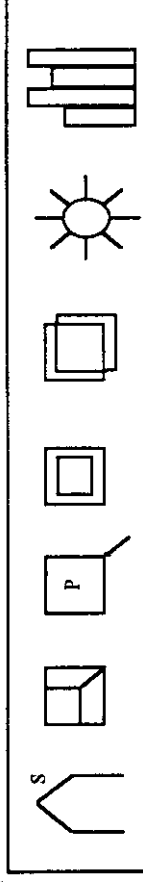
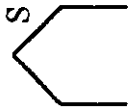


Figure 1-1 Front view of the PCPresenter transmitter.

Menu Bar



on Display

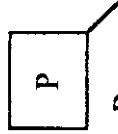


To adjust the TV display for optimal viewing, or to set the color of the TV.

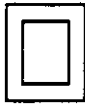
Sharpness



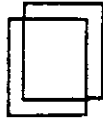
Zoom



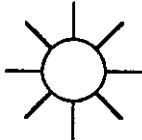
Pan



Under/Over Scan



Position



Brightness



Color Bar

Action

To split the display into four enlarged divisions. Each division can be displayed individually by pressing the Increment or the Decrement button.

To move the display in up/down or right/left direction. Used in conjunction with a Zoomed display. Change ▲ or ▼ by pressing the Select button.

To reduce size of display

To move the existing screen display in up/down or right/left directions.

To adjust brightness of the display.

To show a test picture pattern.

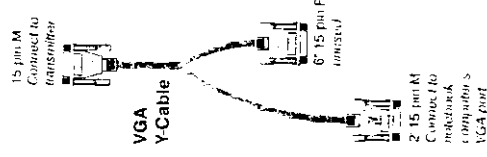
Transmitter Installation to Notebook

Warning : Electrical hazard present. Power to all devices must be off before connecting.

Cautions : Ir antenna is fragile. Handle with care and grasp only at its base to position upward. Should you need to replace the 12V power adapter for transmitter or receiver, new adapter must match the transmitter or receiver voltage and polarity. Use of the wrong voltage and/or polarity can destroy the PCPresenter system.

To connect the transmitter to a Notebook computer

1. Power off computer and transmitter.
2. Connect 15 pin male VGA Y-cable to transmitter.
3. Connect 15 pin male end of VGA Y-cable (2 foot section) to 15 pin female connection on Notebook computer (**MONITOR**). It is unnecessary to take any action with the 6 inch section, as it is for PC use only.
4. Connect mini din end of audio cable to the Notebook computer's **HEADPHONE** port.
5. Connect RCA ends of audio cable to transmitter's **AUDIO LEFT** and **AUDIO RIGHT** ports.
6. Angle directional antenna toward receiver location (point side marked "Backside" away from receiver).
7. Grasp IR antenna at its base and position upward at 90 degree angle.
8. Using the channel selection switch (located on underside of the transmitter), select a channel.



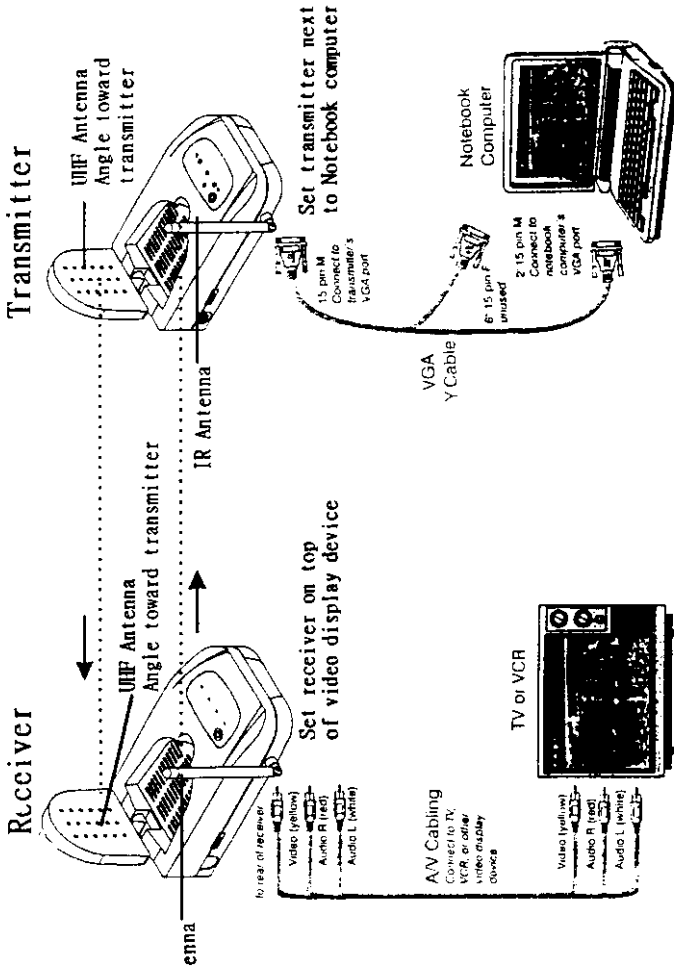


Figure 1-8 System Hookup to Notebook Computer-Front View.

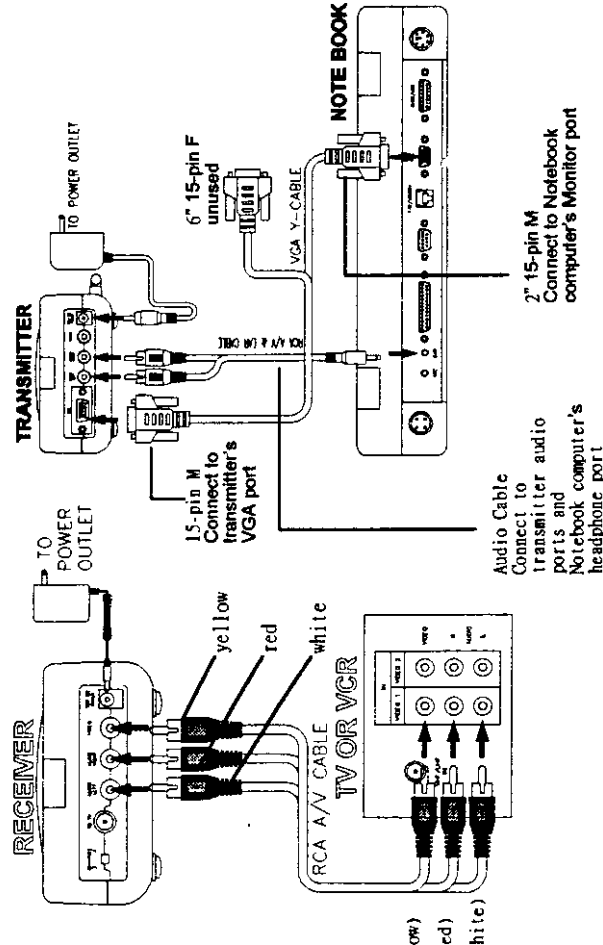


Figure 1-9 System Hookup to Notebook Computer-Rear View.

Transmitter-Underside

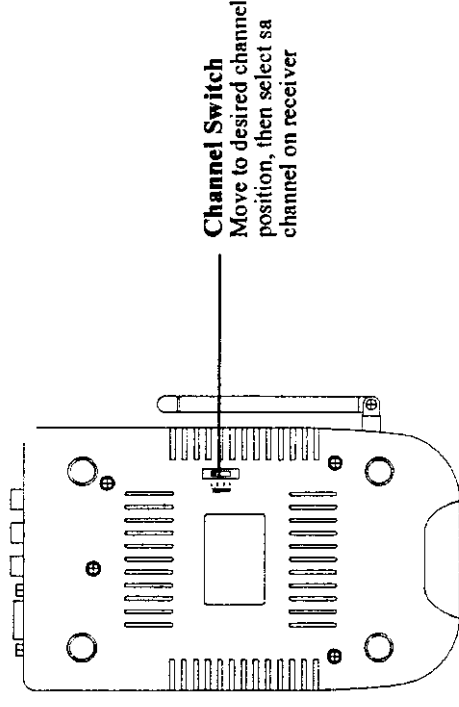


Figure 1-2 Underside view of PCPresenter transmitter.

Transmitter-Rear (Enlarged)

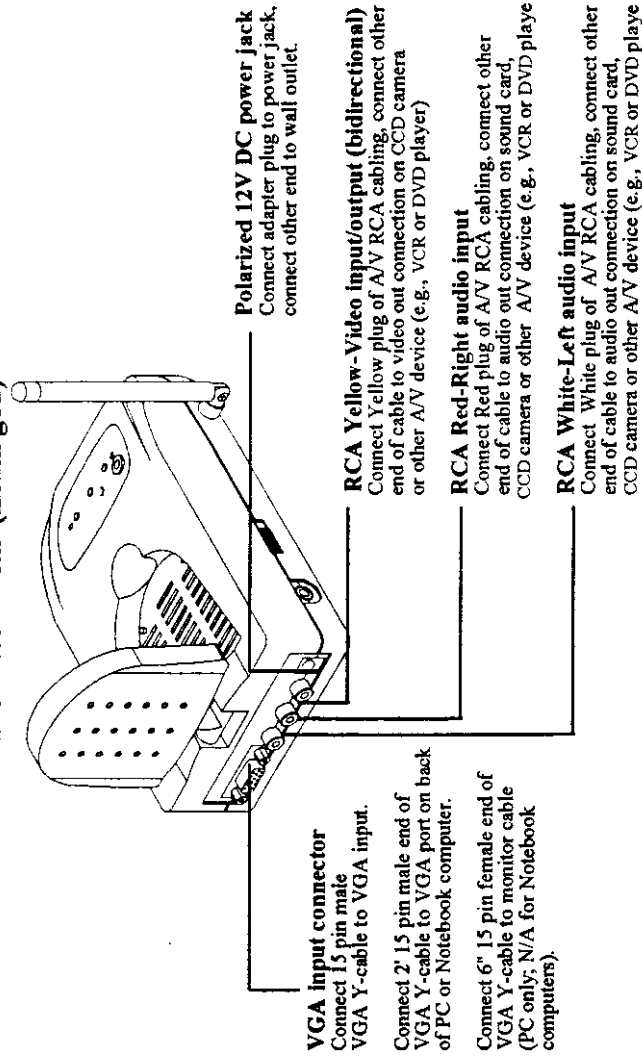


Figure 1-3 Rear view of the PCPresenter transmitter.

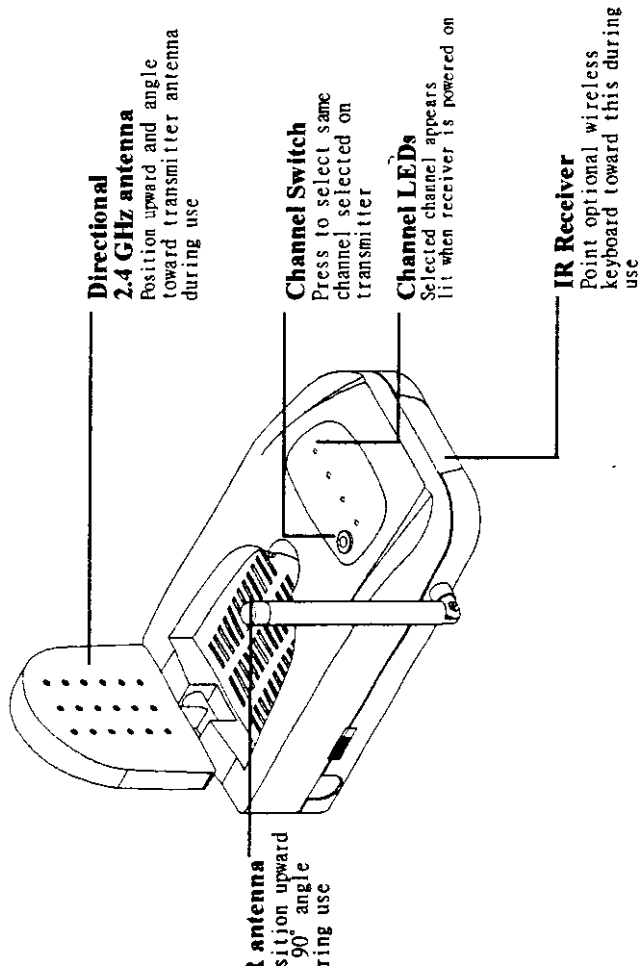


Figure 1-4 Front view of Presenter receiver.

11. Set **NORMAL/PASS** switch (located on the left side of the transmitter) to **NORMAL**.

Note : Transmitter RCA A/V connections are bidirectional (input/output). When set to **NORMAL**, RCA port receives (input) A/V signals from any source and transmits them to the receiver. When set to **PASS** (output), RCA port transmits A/V signals from the PC VGA card to the transmitter's RCA **VIDEO** port.

12. Connect 12V DC power adapter to transmitter and power on transmitter.

Note : If VGA input and A/V input are connected at the same time, the transmitter automatically switches to VGA input and disables the A/V input. To use the transmitter only as an A/V program sender, disconnect VGA cable.

13. Install the four AA batteries in the wireless keyboard

14. Locate the RS-232 serial pointing device connector at the split end of the IR keyboard receiver cable (Figure 1-6 and Figure 1-7).

Connect this to an available RS-232 serial port at the back of the computer. If computer is equipped with an older style 25 pin serial port, a 9-pin M to 25-pin F adapter is required.

Note : If serial port is occupied by the standard mouse, disconnect the mouse device. Simultaneous connection of both the IR keyboard receiver and computer's standard mouse is only possible if standard mouse is a PS/2 mouse and computer has a PS/2 mouse and an RS-232 serial port available and your system is running Windows 95.

To use a PS/2 mouse, install it, then choose **START/ Settings / Control Panel / Add New Hardware**. This allows our system to determine the current device settings and make both pointing devices operable.

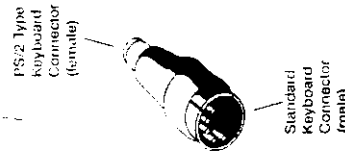
15. Locate the PS/2 keyboard connector at the other end of the split IR keyboard receiver cable.

Connect to the computer's PS/2 keyboard port. If computer has a large size 5 pin AT keyboard port, use the included PS/2 to 101 keyboard adapter.

16. Connect IR extender to transmitter. Face toward IR keyboard extender.

17. Press transmit (TX) button (located on top of transmitter).

18. Power on computer.



Proceed to Receiver Installation to Video Display Device on page 1-12.

Transmitter and Wireless Keyboard Installation to PC

Warning : Electrical hazard present. Power to all devices must be off before connecting.

Cautions : IR antenna is fragile. Handle with care and grasp only at its base to position upward.
Should you need to replace the 12V power adapter for transmitter or receiver, new adapter must match the transmitter or receiver voltage and polarity.
Use of the wrong voltage and/or polarity can destroy the PCPresenter system.

The Following describes connecting the PCPresenter transmitter to a PC (Figure 1-6 and Figure 1-7).

To connect the Transmitter and Wireless Keyboard to a PC

1. Power off computer and transmitter.
2. Connect 15 pin male VGA Y-cable to transmitter's VGA port.
3. Disconnect monitor video cable from back of computer.
4. Connect 15 pin male VGA Y-cable (2 ft section) to 15 pin female connection of computer (MONITOR).
5. Connect 15 pin female VGA Y-cable (6 in section) to 15 pin male video cable attached to Monitor.
6. Connect mini stereo end of audio cable to sound card's speaker port.
7. Connect RCA ends of audio cable to transmitter's **AUDIO LEFT and AUDIO RIGHT** ports.

8. Angle directional antenna toward receiver location (point side marked "ACKSIDE" away from receiver).

9. Grasp IR antenna at its base and position upward at 90 degree angle.

10. Using the channel selection switch (located on underside of the transmitter), select a channel.

Receiver-Rear (Enlarged)

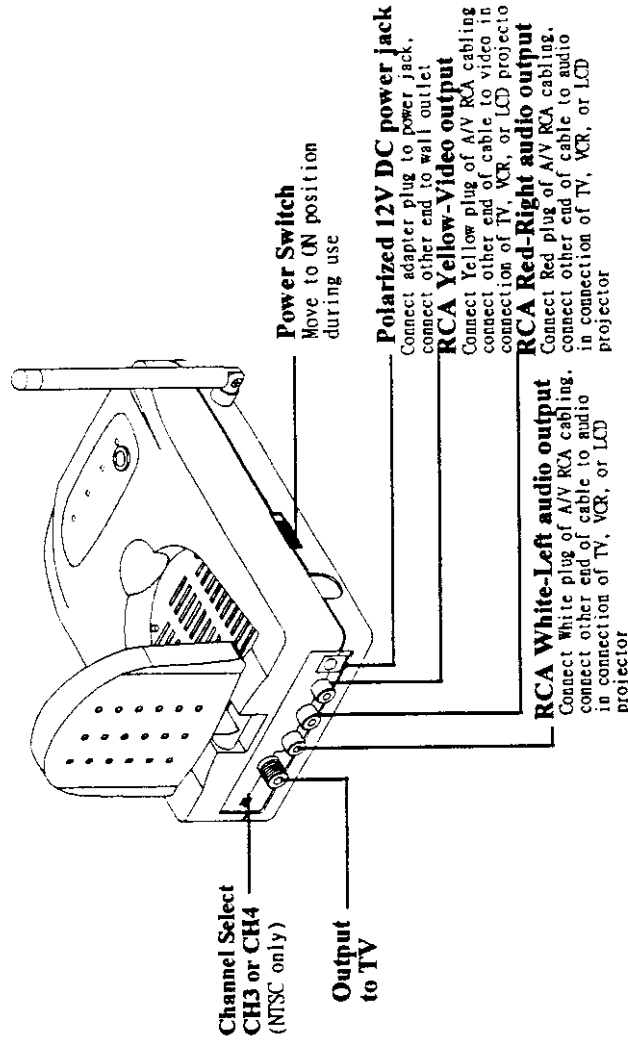


Figure 1-5 Rear view of PCPresenter receiver.

A/V RCA cabling is not needed for the transmitter unless connecting to another input source at the transmitter end, such as a DVD drive, or when not using the system with a PC, such as to send A/V signals.

Refer to Operating Instructions, "Specifications and Interface," for additional information on PCPresenter system connections.

Installation Diagrams

Figure 1-6 and Figure 1-7 illustrate the front and back views for connecting the PCPresenter system with a PC. Figure 1-8 and Figure 1-9 illustrate the front and back views for connecting the PCPresenter system with a Notebook computer.

