

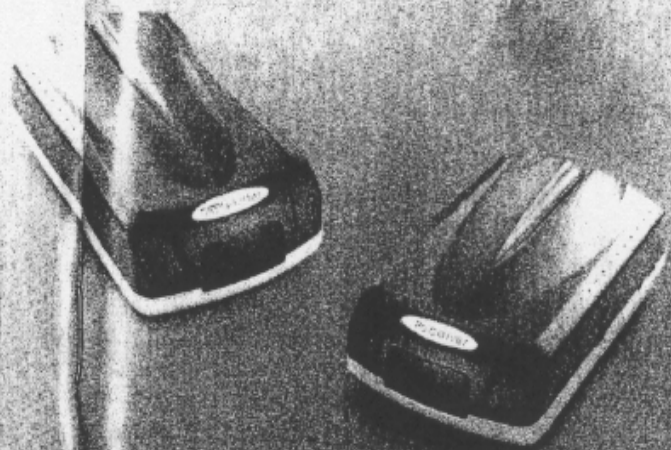
**2.4 GHz WIRELESS**

**AUDIO/VIDEO SYSTEM**

USER'S MANUAL



**2.4 GHz WIRELESS**

**AUDIO/VIDEO SYSTEM**



**FCC ID: PNK2G4-AV**  
**PNK4M9-EXT**  
This device complies with Part 18 of the FCC Rules.  
Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received,  
including interference that may cause undesired operation.




**SAFETY INFORMATION**

	<b>RISK OF ELECTRONIC SHOCK DO NOT OPEN</b>	
<p><b>CAUTION:</b> DO NOT REMOVE THE COVER FOR REDUCING THE RISK OF ELECTRIC SHOCK. NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

**WARNING :**

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

**Safety term and Symbols**

-  **Warning:** Warning statements identify conditions or practices that could result in injury or loss of life.
-  **Caution:** Caution statements identify conditions or practices that could result in damage to this product or other property.
-  **Danger:** Do not remove the cover for reducing the risk of electric shock.

## IMPORTANT SAFETY INSTRUCTIONS

1. All the safety and operating instructions should be read before the product is operated.
2. The safety and operating instructions should be retained for future reference.
3. All warnings on the product and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.
5. Unplug this products from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for the cleaning.
6. Do not use attachments not recommended by the products manufacturer if they may cause hazards.
7. Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool; and the like.
8. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type or power supply to your home, consult your product dealer or local Power Company. For products intended to operate form battery power, or other sources, refer to the operating instruction.
10. Power supply cord should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, or other sources, refer to the operating instructions.
11. For added protection for this product during a lightning storm, or it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect cable system. This will prevent damage to the product due to lightning and power-line surges.
12. Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electronic shock. Never spill liquid of any kind on the product.
13. Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
  - When the power-supply cord or plug is damaged.
  - If liquid have been spilled, or objects have fallen into the products
  - If the product does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often

require extensive work by a qualified technician to restore this product to its normal operation.

- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance - this indicates a need for service.

15. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
16. Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
17. The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products including amplifiers that produce heat.

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## 1. Introduction

### 1.1 Overview

Magic Audio / Video System uses the latest wireless technology to send stereo audio and video pictures around your home. Watch your favorite TV programs or listen to Hi-Fi quality stereo sound in any part of your home without the need to run extension cables.

### 1.2 Main Features

- 2.4 GHz wireless transmitter and receiver with 4 selectable channels (Tact Switch)
- Transmit the crisp Audio / Video signal with radio frequency
- Compact size
- All antennas (2.4 GHz & 433 MHz) are embedded into housing inside
- Remote control the A/V source with IR Extender
- Compatible with Camcorder or CMOS camera application
- Low power consumption
- NTSC / PAL video format available

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## 2. Check Package before Use

### 2.1 One unit of Transmitter

The Transmitter emits Audio and Video signals over 2.4GHz radio frequency carrier and receives UHF remote control signal from the Receiver



### 2.2 One unit of Receiver

The Receiver receives 2.4GHz wireless Audio and Video signals from the Transmitter and sends UHF remote control signal to the Transmitter.



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**2.3 Two units of Audio/Video (AV) cables**

These two pairs of cables are used to connect the Transmitter and the Receiver to your AV devices.

RCA to RCA



OR

RCA to SCART



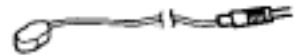
**2.4 Two units of Power Adaptors**

These power adaptors supply a + 9V DC power to the Transmitter and the Receiver.



**2.5 One unit of Infrared Extender**

Emits infrared remote control signal to control your AV devices.

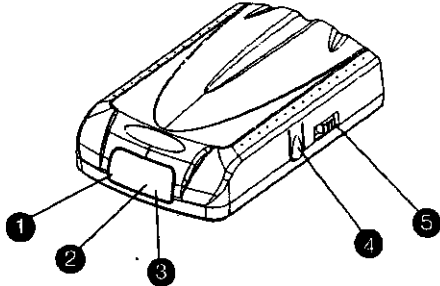


Note: If any accessories listed above are missing, contact the sales representative where you purchase this AV System.

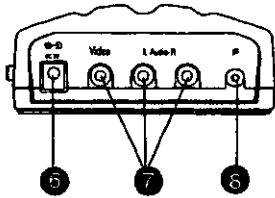
### 3. Controls/Functions

#### 3.1 Transmitter

Front & Side Panel



Rear Panel

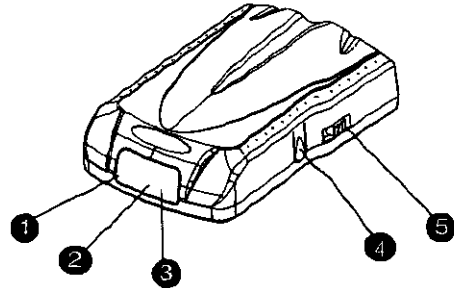


- 1. LED for IR Controller active indication
- 2. IR Window
- 3. LED for Channel number indication
- 4. Channel Selector
- 5. Power Switch
- 6. Adaptor Connector
- 7. RCA Connector
- 8. IR Extender Connector

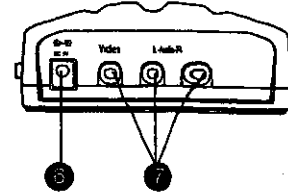
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#### 3.2 Receiver

Front & Side Panel



Rear Panel



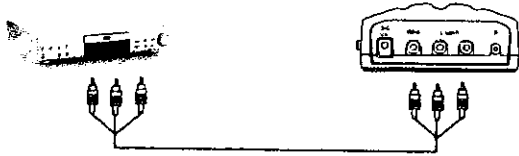
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- 5. Power Switch
- 6. Adaptor Connector
- 7. RCA Connector

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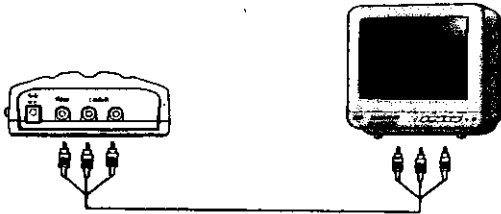
## 4. How to Connect

### 4.1 Connect the Transmitter to the A/V Sources with Audio / Video cable



**A/V Sources :** Video Recorder, Digital Video Disc., Compact Disc Player, Satellite Receiver, Camcorder, Stereo Receiver, Security Camera, Hi-Fi System, Laser Disc Player, Computer, Cassette Deck etc.

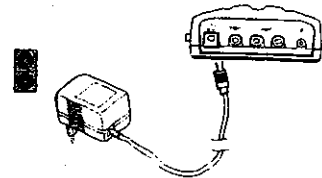
### 4.2 Connect the Receiver to the A/V Displays



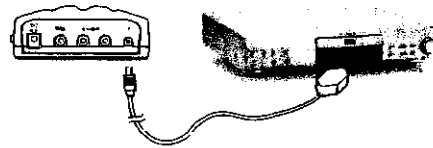
**A/V Displays :** Computer Monitor ( Converted card required ), Powered Speakers, TV Monitor etc.

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### 4.3 Plug the Transmitter and Receiver into the power outlet using attached Adaptor



### 4.4 Plug the IR Extender to the Transmitter IR port and put the IR Extender headend in front of the A/V source's IR sensor



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## 5. Operations

5.1 Turn on the Transmitter and Receiver power

5.2 Turn on the A/V sources and A/V display

5.3 Press the Channel Switch ④ to the same channel

### 5.3.1 View the Channel Selection LED ③

Channel I : Flash once in one time

Channel II : Flash twice in one time

Channel III : Flash thrice in one time

Channel IV : Flash quartic in one time

5.4 Enjoy the wireless A/V entertainment

## 6. Trouble Shooting

Please read this user manual carefully before using the A/V system. If you still have difficulties to use the A/V system, consult the following syndrome, which will guide you to solve most common problems.

### 6.1 No Picture or Sound

- Check the adaptor is rightly connected.
- Power ON/OFF switch is in right position.
- Check all the cables well and rightly connected.

### 6.2 Interference in the Image and Sound

- Move your Transmitter or Receiver slowly to find a best reception position for your A/V system.
- Shorten the distance between your Transmitter and Receiver.
- Check if there is any interference radio frequency source near your Receiver source such as microwave oven.
- If there is any interference radio frequency source near your Receiver, try to switch your channel to get a best performance.
- Check if the Transmitter and Receiver are in the same channel.

### 6.3 Remote Control Function does not Work

- Check if the Remote Control is out of battery.
- Make sure your Remote Control is able to align the Receiver IR window.
- Make sure the distance between your remote control & Receiver window; Receiver & Transmitter are within the valid range.

## 7. Specification

### Transmitter:

Item	Specification	Remark
Frequency	2400 MHz ~ 2483 MHz	
Transmitter Power	10 dBm	Typical
Channel Number	4	2414,2432,2450,2468MHz
Frequency Stability	±100 KHz	Typical
Video Input Level	1 Vp-p	Typical
Audio Input Level	1 Vrms	Typical
Supply Voltage	9 V	Typical
Power Consumption	90 mA	Typical
Antenna	F-Type	
Dimension	145 D x 92 W x 40 H	Unit is mm
Operating Temperature	-10°C ~ +60 °C	

### Receiver:

Item	Specification	Remark
Frequency	2400 MHz ~ 2483 MHz	
Receiver Sensitivity	-88 dBm	Minimum
Channel Number	4	2414,2432,2450,2468MHz
L.O. Stability	±100 KHz	Typical
Video Output Level	1 Vp-p	Typical
Audio Output Level	1 Vrms	Typical
Supply Voltage	9 V	
Power Consumption	200 mA	Typical
Antenna	F-Type	
Dimension	145 D x 92 W x 40 H	Unit is mm
Operating Temperature	-10°C ~ +60 °C	

To provide the latest technologies product to our customer is our responsibility, therefore, we reserve the right to change the specifications without prior notice.