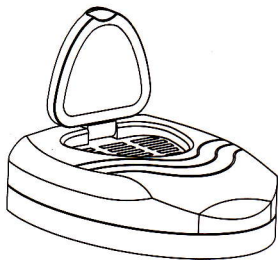
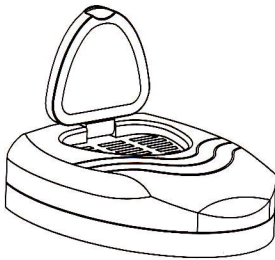


# Wireless A/V System

## User' s Manual



Sender



Receiver

2.4Ghz ☐ 5.8Ghz ☒

(PLEASE READ BEFORE USE)

## SAFETY INFORMATION



### **CAUTION**

RISK OF ELECTRONIC  
SHOCK DO NOT OPEN



### **CAUTION**

DO NOT REMOVE THE COVER FOR REDUCING THE  
RISK OF ELECTRIC SHOCK.  
NO USER-SERVICEABLE PARTS INSIDE REFER  
SERVICING TO QUALIFIED SERVICE PERSONNEL.

## 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 in the user instructions should be adhered to.
4. All operating and user 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 manufacturers if they may cause hazards.
7. Do not use this product near water-for example, near a bath tub, wash bowl ,kitchen sink, laundry tub, in a wet basement, or near a swimming pool; and the similar.
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.
- 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 adding 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 any kinds of objects 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 any kinds of liquid 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 instruction, 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 products 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.

## CE

This device complies with part 15 of the CE Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference .
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Warning:** changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

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## ① Introduction

### 1.1 Overview

Wireless 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.

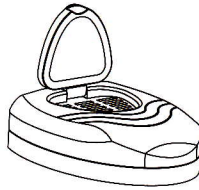
#### Main Features

- Wireless transmitter and receiver with 4-8 selectable channels (Dip Switch)
- Transmit the clear Audio/Video signal with radio frequency
- Compact size
- Antenna 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

## ② Check Package before Use

### 2.1 One unit of Sender

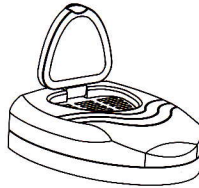
The Sender emits Audio and Video signals over radio frequency carrier and receives UHF remote control signal from the Receiver



Sender

## 2.2 One unit of Receiver

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

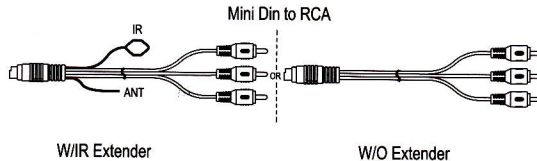


Receiver

## 2.3 Two units of Audio/Video(A/V) cables

These two pairs of cables are used to connect the Sender and the Receiver to your A/V devices.

### Mini Din to RCA



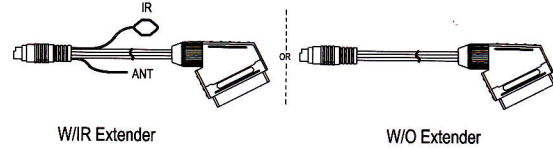
W/I/R Extender

W/O Extender

OR

### Mini Din to SCART

#### Mini Din to SCART

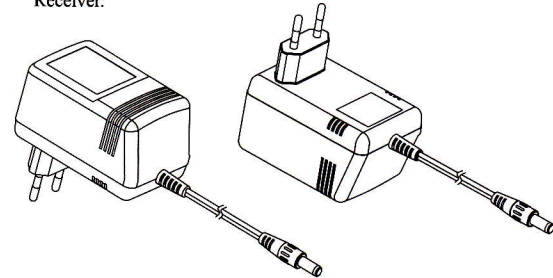


W/I/R Extender

W/O Extender

## 2.4 Two units of Power Adaptors

These power adaptors supply a +5v DC power to the Sender and the Receiver.

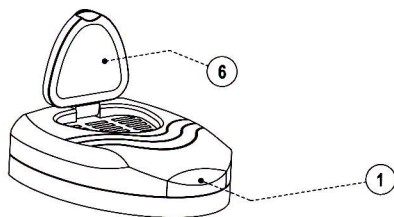


**Note:** If any accessories listed above are missing, contact the sales representative where you purchase this A/V System.

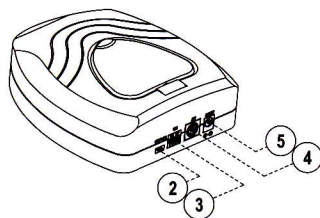
### ③ Controls/Functions

#### 3.1 Sender & Receiver

Front & Side Panel



Rear Panel

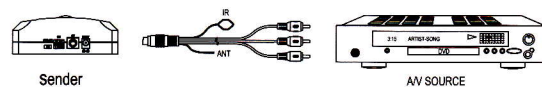


- 1 IR Window
- 2 Power switch
- 3 Channel Selector
- 4 Mini Din Connector
- PA L: Tx—Green  
Rx—Purple
- NTSC: Tx—Black  
Rx—Purple
- 5 Adaptor Connector
- 6 Antenna

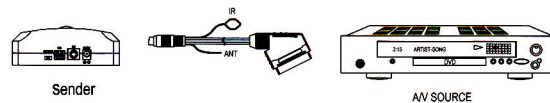
### ④ How to Connect

#### 4.1 Connect the Sender to the A/V Sources and TV with Audio/Video cable

##### Mini Din to RCA

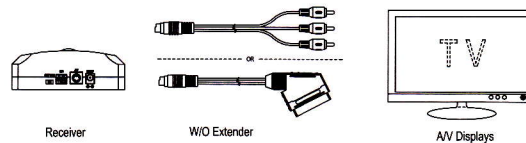


##### Mini Din to SCART



A/V Sources: DVD VCR, PVR, Set-top box, Satellite Receiver, IPTV, Camcorder, Stereo Receiver, Digital TV, Hi-Fi System, Video Recorder CCD Camera etc.

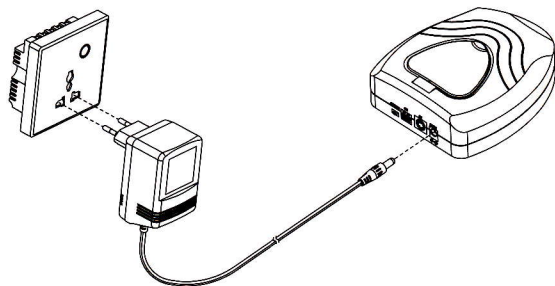
#### 4.2 Connect the Receiver to the A/V Displays



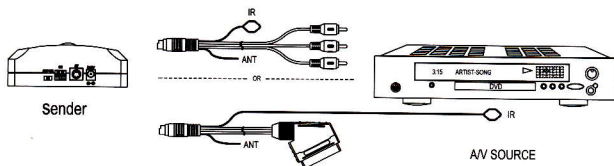
A/V Displays: Computer Monitor(Converted card required), Powered Speakers, TV Monitor etc.



4.3 Plug the Sender and Receiver into the power outlet using attached Adaptor



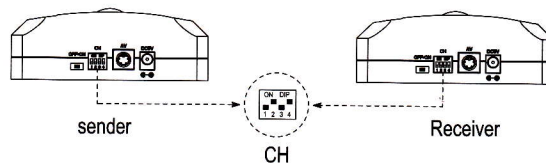
4.4 Put the IR Extender headed in front of the A/V source's IR sensor



## ⑤ Operations

- 5.1 Turn on the Sender and Receiver power
- 5.2 Turn on the A/V sources and A/V display
- 5.3 Erect up the Antenna
- 5.4 Adjust the Channel Selector to the same channel

Ex: CH3, 5.8Ghz Channel Selection Diagram as below :

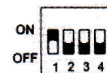


## CHANNEL SELECTION DIAGRAM

Channel	Channel selector	Frequency	Channel	Channel selector	Frequency
CH1		5725MHz	CH5		5805MHz
CH2		5745MHz	CH6		5825MHz
CH3		5765MHz	CH7		5845MHz
CH4		5785MHz	CH8		5865MHz

Ex: CH1, 2.4Ghz Channel Selection Diagram as below :

EX: CH1



5.5 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 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 Sender or Receiver slowly to find a best reception position for your A/V System.
- Shorten the distance between your Sender 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 Sender 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 & Sender are within the valid range.

### ⑦ Specification for 5.8GHz-17Dbm

TRANSMITTER		RECEIVER	
Item	Specification	Item	Specification
Frequency Range	5725MHz-5865MHz	Frequency Range	5725MHz-5865MHz
Optional Channel Number	8CH5725.5745.5765.5785.5805.5825.5845.5865MHz	Optional Channel Number	8CH5725.5745.5765.5785.5805.5825.5845.5865MHz
Video Input Level	1 Vp-p	Video Output Level	1 Vp-p
Supply Voltage	5 V	Supply Voltage	5 V
Operating Temperature	-10°C~+60°C	Operating Temperature	-10°C~+60°C
Transmitter Power	17dBm (Typical)	Receiver Sensitivity	-85dBm (Minimum)
Frequency Stability	±100KHz (Typical)	Frequency Stability	±100KHz (Typical)
Audio Input Level	1 Vp-p (Typical)	Audio Output Level	1 Vp-p (Typical)
Current Consumption	400mA (Typical)	Current Consumption	200mA (Typical)
INFRARED RADIO-CONTROL			
Frequency	433.92MHz	Receiver Sensitivity	-100dBm
Modulation/ Demodulation	ASK	Transmitter Power	10dBm (Typical)

### ⑧ Specification for 2.4GHz-17Dbm ☐

TRANSMITTER		RECEIVER	
Item	Specification	Item	Specification
Frequency Range	2400MHz-2483MHz	Frequency Range	2400MHz-2483MHz
Optional Channel Number	4CH(2414, 2432, 2450, 2468MHz)	Optional Channel Number	4CH(2414, 2432, 2450, 2468MHz)
Video Input Level	1 Vp-p	Video Output Level	1 Vp-p
Supply Voltage	5 V	Supply Voltage	5 V
Operating Temperature	0°C~+60°C	Operating Temperature	0°C~+60°C
Transmitter Power	17dBm (Typical)	Receiver Sensitivity	-85dBm (Minimum)
Frequency Stability	±100KHz (Typical)	Frequency Stability	±100KHz (Typical)
Audio Input Level	1 Vp-p (Typical)	Audio Output Level	1 Vp-p (Typical)
Current Consumption	200mA (Typical)	Current Consumption	200mA (Typical)
INFRARED RADIO-CONTROL			
Frequency	433.92MHz	Receiver Sensitivity	-100dBm
Modulation/ Demodulation	ASK	Transmitter Power	10dBm (Typical)

## ⑨ Specification for 2.4Ghz-28DBM ☐

TRANSMITTER		RECEIVER	
Item	Specification	Item	Specification
Frequency Range	2400MHz-2483MHz	Frequency Range	2400MHz-2483MHz
Optional Channel Number	4CH(2414、2432、2450、2468MHz)	Optional Channel Number	4CH(2414、2432、2450、2468MHz)
Video Input Level	1 Vp-p	Video Output Level	1 Vp-p
Supply Voltage	5 V	Supply Voltage	5 V
Operating Temperature	0℃~+60℃	Operating Temperature	0℃~+60℃
Transmitter Power	28dBm (Typical)	Receiver Sensitivity	-85dBm (Minimum)
Frequency Stability	±100KHz (Typical)	Frequency Stability	±100KHz (Typical)
Audio Input Level	1 Vp-p (Typical)	Audio Output Level	1 Vp-p (Typical)
Current Consumption	350mA (Typical)	Current Consumption	200mA (Typical)
INFRARED RADIO-CONTROL			
Frequency	433.92MHz	Receiver Sensitivity	-100dBm
Modulation/ Demodulation	ASK	Transmitter Power	10dBm (Typical)

### Note:

\*☒ For 5.8Ghz and 2.4Ghz 17Dbm Sender :Signal can transmit up to 200 meters under unobstructed circumstance. If it is obstructed, the signal can transmit through two walls, but transceiving distance will be within 10 meters.

\* ☐ For 2.4Ghz 28Dbm Sender :Signal can transmit up to 500 meters under unobstructed circumstance. If it is obstructed, the signal can transmit through three walls, but transceiving distance will be within 15 meters.

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