

# **5.1CH Surrounding RF Wireless Headphone**

## **RF-2500**



### **INSTRUCTIONS**



**TV** **PC** **DVD** **Gaming**

Please read carefully all safety instructions before using this device

# Function Description



## Transmitter (Tx set)

### 1. Power ON/OFF LED Indicator:

To indicate the power ON/OFF status. The LED will light blue when power on.

### 2. Channel Button:

Used to select RF channel. There 8 channels to be selected for superior transmitting.

When hearing noise or intermittent music from headphone, you can push this channel button to select another non-interfered channel automatically.

### 3. Power ON/OFF Button:

To turn on/off the transmitter.

### 4. Signal Selection Switch:

Switch up to connect the digital signals from optical source. Switch down to connect the digital signals from coaxial source.

### 5. S/PDIF Input Jack: (Optical)

To input S/PDIF signals from optical connection.

### 6. S/PDIF Input Jack: (Coaxial)

To input S/PDIF signals from coaxial connection.

### 7. DC 7V Input Jack:

To plug in the enclosed power adapter for DC 7V power supply.

## Receiver (Rx set)

### 8. Receiver Indicator:

The LED will light green to indicate the headphone successfully received the RF signal from transmitter.

### 9. DC 7V Charge Input:

To plug in the DC 7V power adapter for charging the built-in

### 10. Volume Control:

For volume up /down control.

### 11. Power ON/OFF Button:

To turn on/off the headphone power.

### 12. Mute Button

To mute the voice of the headphone.

### 13. Charge Indicator:

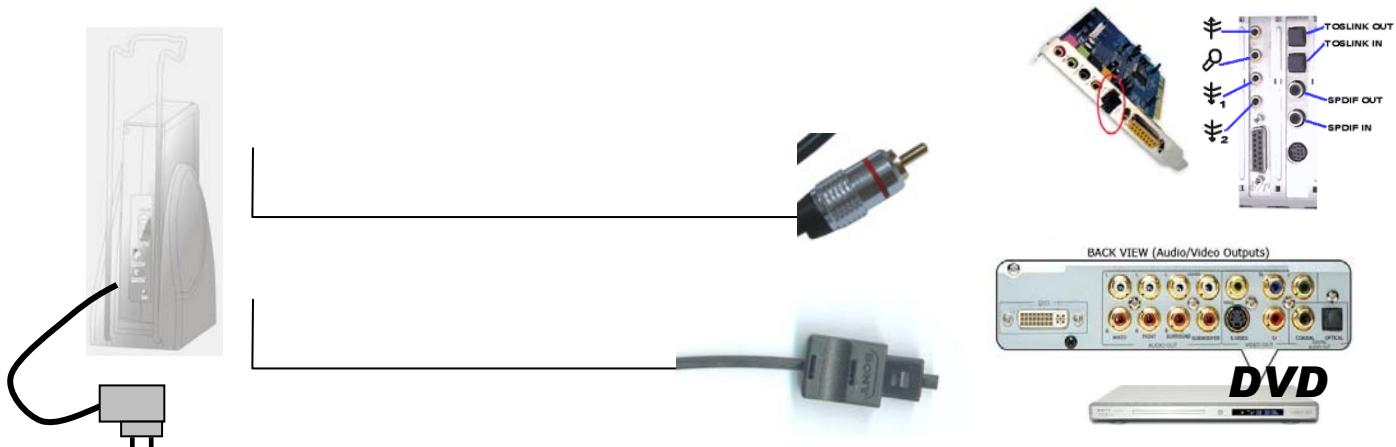
To indicate the status of built-in Li Polymer rechargeable battery.

Red Light: The LED will light red when the battery is charging.

Green Light: The LED will light green when the battery is full.



# Installation



1. Connect the attached DC 7V/700mA adapter to the Transmitter as Fig. 2
2. Connect the audio source (e.g. PC, laptop, CD player, DVD player, TV, etc) through the optical or coaxial access. Please switch up the Signal Selection Switch if you connect the audio device by optical; on the other hand, switch down the Signal Selection Switch if you connect the audio device by coaxial.

## NOTE:

Please ensure that the batteries are fully recharged before using the headphone at the first time. This will enable the rechargeable batteries a longer lifetime.

# Specification

## Headphone Receiver Specification:

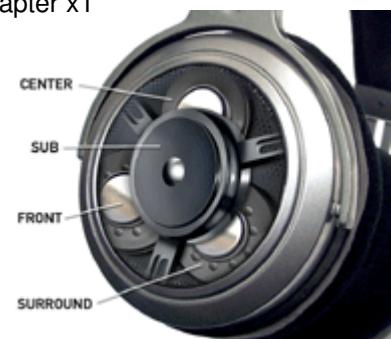
1. Power Supply: Li Polymer Rechargeable battery.
2. Total Harmonic Distortion (T.H.D): less than 2%
3. Receiver Frequency Range: 2.4GHz~ 2.4835GHz  
unlicensed ISM Band
4. Speaker Driver:  
Subwoofer: 40mm 8Ω\*2, Front: 36mm 32Ω\*2,  
Rear: 27mm 32Ω\*2, Center: 27mm 32Ω\*2,
5. Frequency Response:  
Front/Rear: 50Hz~17KHz Center: 180Hz~14KHz  
Subwoofer : 50Hz~400Hz
6. Amplifier Max Power Output :  
Front: 100mW\*2 Rear: 100mW\*2 Center: 100mW\*1  
Subwoofer: 300mW
7. Working Hour: about 4 hour
8. Effective Receiving Distance: > 10m
9. Built-in 5.1 channel Amplifier
10. Signal / Noise Ratio : >75dB
11. Channel Separation : >50dB

## Transmitter Specification

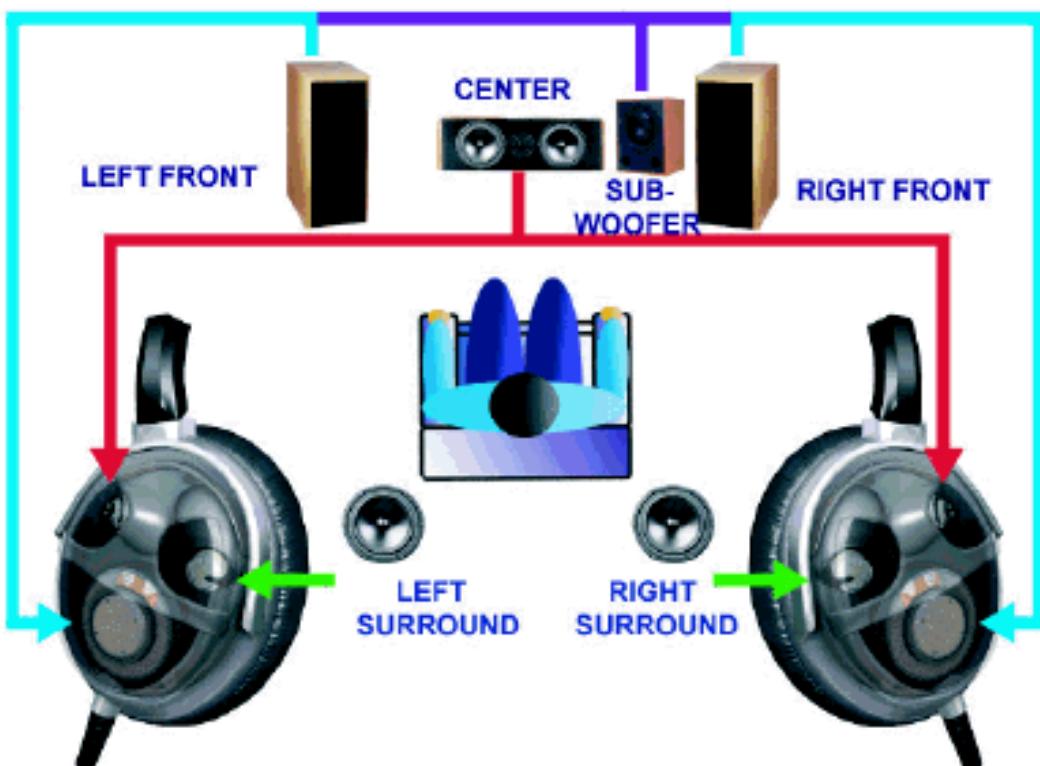
1. Power Supply : DC Adapter (DC7V /700mA)
2. Transmission Frequency : 2.4GHz~2.4835GHz
3. Effective Transmission Range : > 10m.
4. Power Consumption : Less Than 250mA.

## Accessories:

1. DC 7V/700mA Adapter x1
2. Optical cable x1
3. Coaxial cable x1



# Operation Instruction



1. Plug the power adapter (DC7V/700mV) to transmitter.
2. Connect the Tx set to the audio devices containing the optical/ coaxial connector by enclosed optical or coaxial cables.
3. Switch up the signal selection switch if you would connect the audio source from optical cable; Switch down the signal selection switch if you would connect the audio source from coaxial cable.
4. Turn on the power of Tx set, and the power LED indicator will light blue.
5. Turn on the power of headphone (Rx), the side blue LED will light blue. The blue LED will be flashing if the battery is in low voltage.
6. The headphone receiver is automatically searching the audio signal from Tx set. The Receiver Indicator will light green if successful connection.

## Notice:

1. If you hear the music intermittently, there could be some interference existing in same frequency as the Tx set. Please press the "Channel" button in front of the Tx set that it will automatically transferring to the other channels for superior transmitting.
2. Please check the signal selection switch on proper position if you can not hear the sound over 30 seconds.
3. Please enjoy the music or film in effective distance. The effective transmitting distance is about 15m. There will be intermittent phenomenon if you left the Tx over the effective distance.
4. If the headphone receiver can not receive the signal from Tx normally, you could hear the continuous signal searching response from headphone. Please check if you installed the devices and connect the audio source correctly.

# Safety Notice

## CAUTION



**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**

TO PREVENT THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE SPEAKER'S COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

## IMPORTANT SAFETY INSTRUCTIONS



**READ INSTRUCTIONS** - All safety and operating instructions should be read before this amplified speaker system is operated.



**RETAIN INSTRUCTIONS** - The safety and operation instructions should be retained for future reference.



**FOLLOW INSTRUCTIONS** - All operating and using instructions should be followed.



**HEED WARNING** - All warnings on the speakers and in the operating instructions should be adhered to.



**VENTILATION** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the speakers and to prevent it from overheating. These slots must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surfaces. The unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.



**HEAT** - This unit should be situated away from heat sources such as radiators, heat registers, stoves or other units (including amplifiers) that produce heat.



**POWER SOURCES** - The unit should be connected to a power supply only of the type described in the operating instructions or marked on the unit.



**POLARIZATION** - The unit may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This is a safety feature. Do not defeat the safety purpose of the polarized plug.



**CLEANING** - Unplug the unit from the wall outlet or other power sources before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.



**WATER AND MOISTURE** - The unit should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub; in a wet basement, or near a swimming pool; and the like.



**POWER CORD PROTECTION** - Power supply cords 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 plug, convenience receptacles, and the point where they exit from the unit.



**NON-USE PERIODS** - The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.



**OBJECTS OF LIQUID ENTRY** - Care should be taken so the objects do not fall and liquids are not spilled on the unit.



**DAMAGE REQUIRING SERVICE** - The unit should be serviced by qualified service personnel when:

- The power supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the unit; or
- If the unit has been exposed to rain or water; or
- If the unit does not appear to operate normally nor exhibits a marked change in performance; or
- If the unit has been dropped, or the enclosure is damaged.



**CARTS AND STANDS** - The unit should be used only with a cart or stand that is recommended by the manufacturer.



### **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the 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 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

### **IMPORTANT NOTE:**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.