

EASTERN

WL-1000
WL-T1000/WL-R1000
Instruction Manual

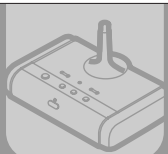
2.4 GHz DIGITAL WIRELESS SYSTEM FOR AUDIO

- AFHSS
- FEC
- Function control
 - Delay Time
 - Auto Sleep
- Auto ID Pairing
- Auto / Manual Selector
- Low input / High input

Wireless



Making environment more clean!



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Important safety instruction

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet. Consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been moisture, does not operate normally, or has been dropped.
- 15 The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK.
DO NOT EXPOSE THIS APPATATUS TO RAIN OR MOISTURE.**



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCTS ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PERSENCE OF INPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

For Pluggable Equipment, the socket outlet shall be installed near the equipment and shall be easily accessible

FCC Compliance Statement:

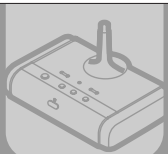
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Important Note: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

European Union Notice

This system has been tested for conformance with CE radio spectral, EMC and safety requirements.



Feature

■ AFHSS (Adaptive Frequency Hopping Spread Spectrum)

When there is an error or interference during sending data on a channel, which is changed to another channel immediately then this is very strong method to microwave or wireless LAN.

■ FEC (Forward Error Correction)

When there is an error or interference during sending data, this system change data immediately so that people do not notice any mistake during correction.

■ Functional control

Every function operates at transmitter by remote control.

■ Short Delay Time (11.2m / sec)

Short delay time can be useful for Home Theater System.

■ Auto Sleep

Power off automatically if there is no signal during a certain period (AUTO OFF)

■ AUTO ID Pairing

As soon as powering up both of transmitter and receiver, IDs of transmitter and receiver are made up automatically not to have any interference from adjacent same equipment.

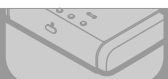
■ Auto/Manual selector

During manual function, when there is an interference operating given one of three of fixed channels, one channel of two channels is fixed manually.

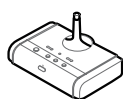
■ Low input/High input

Low input: connecting for analog output of DVD player or audio output

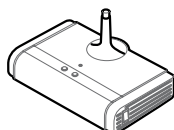
High input: connecting for speaker output of DVD receiver



Structure



WL-T1000
(Transmitter)
1EA



WL-R1000
(Receiver)
1EA



Remote control
(WL-T1000)
1EA



DC 9V adapter
(WL-T1000)
1EA



Batteries
(1.5V "AAA")
2EA



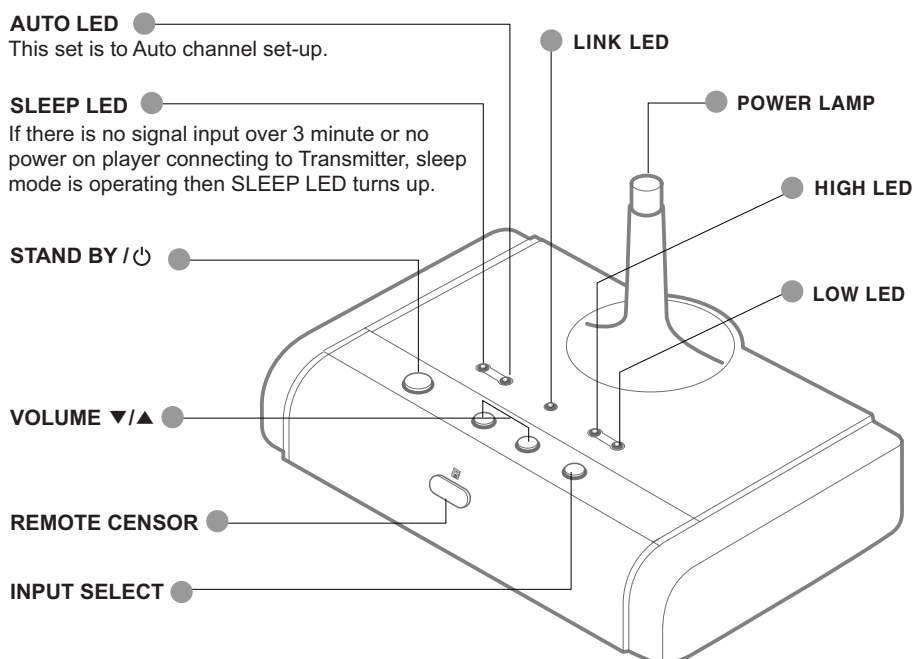
Manual
1EA



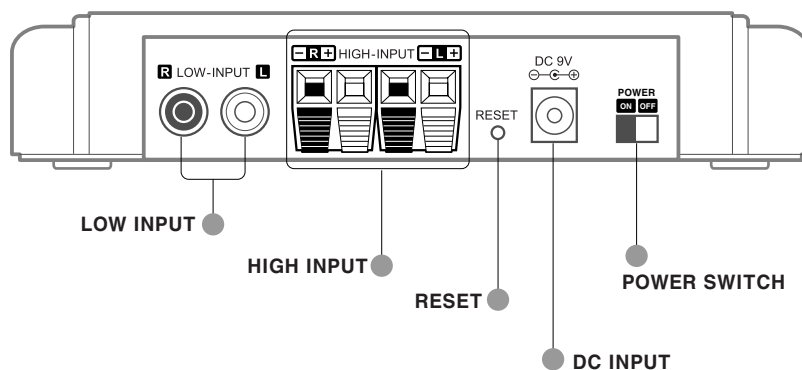
Index to parts and control

[WL-T1000 Transmitter]

■ Front Panel



■ Back Panel

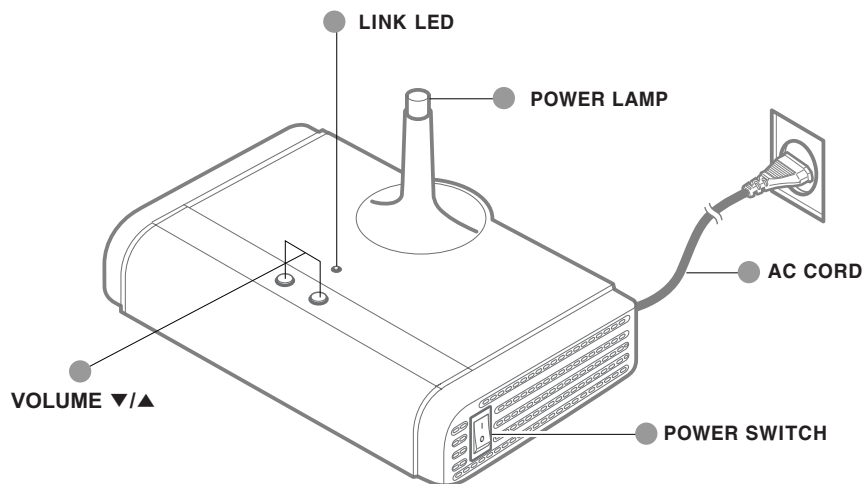




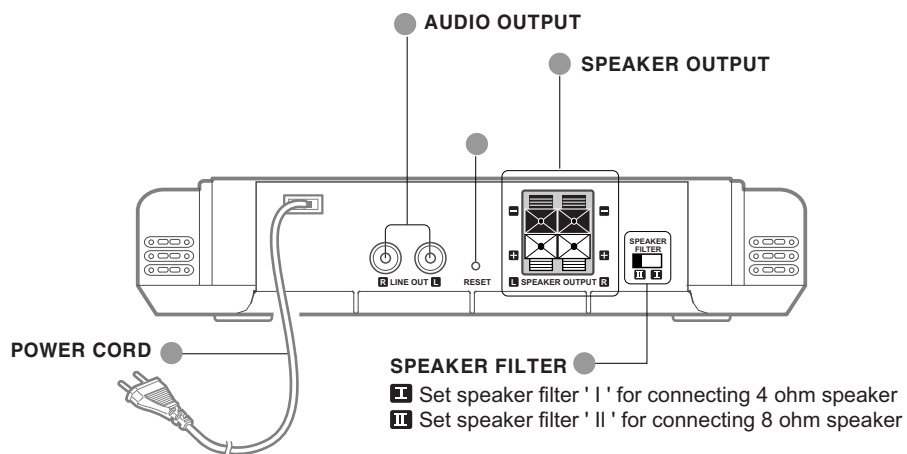
Index to parts and control

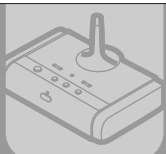
[WL-R1000 Receiver]

■ Front Panel



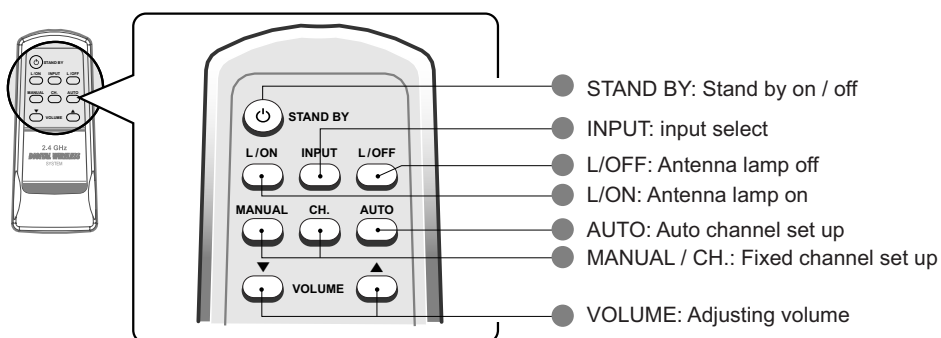
■ Back Panel



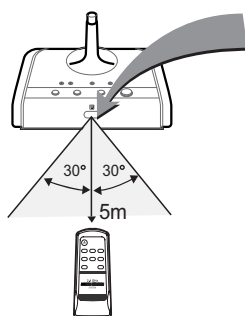


Function of Remote Control

■ Function of remote

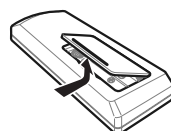


■ Using the Remote Control

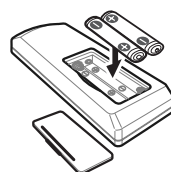


Remote control works up to 7m (23ft) within 30 degree angle. Point at remote sensor to press your desired functions.

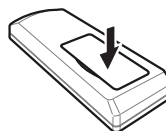
■ Inserting the Batteries



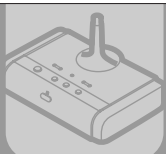
1 Open the battery cover



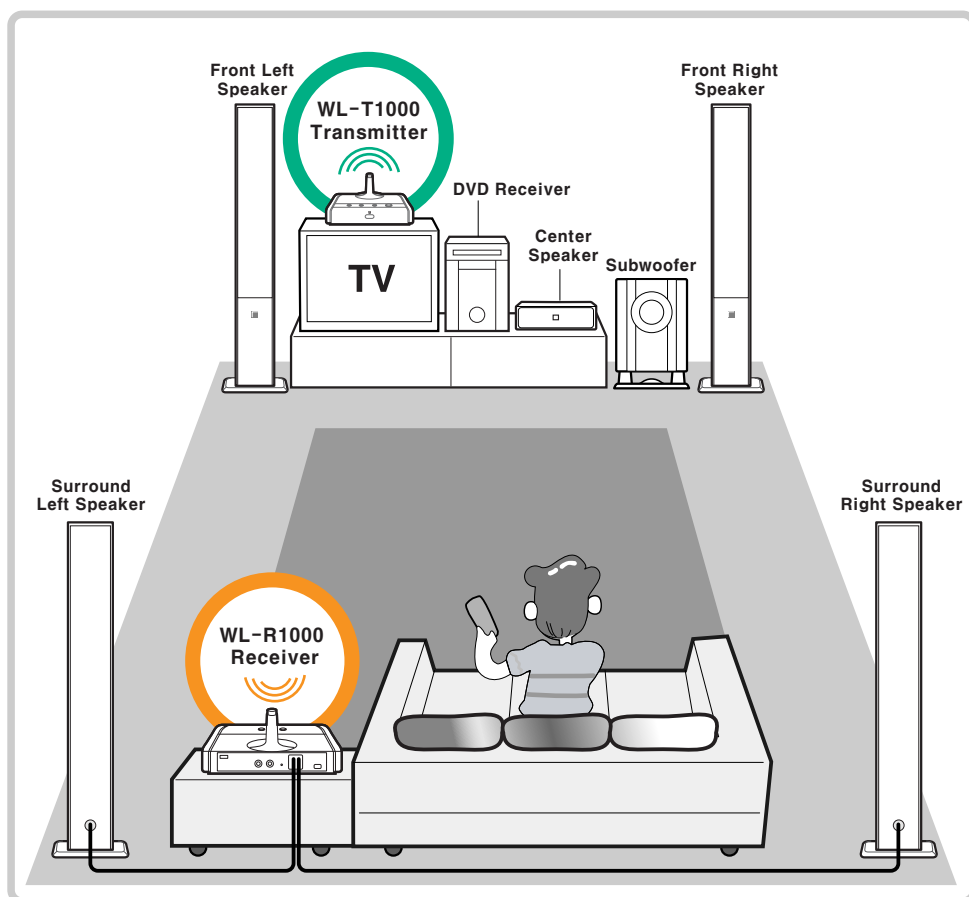
2 Insert the batteries (AAA size)



3 Close the cover.

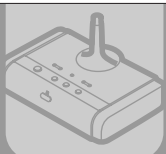


Connecting



NOTE

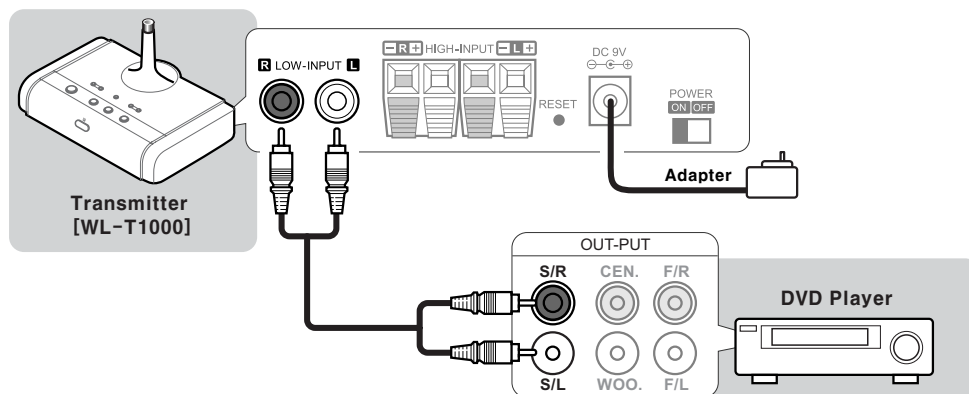
- The distance of Tx and Rx for best performance is 4m to 6m.
- The position of Tx and Rx for best performance is the same height and the same line.
- No hindrance between Tx and Rx makes you the best performance.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Keep away from microwave and LAN to avoid audio drop out.



Connecting Transmitter [WL-T1000]

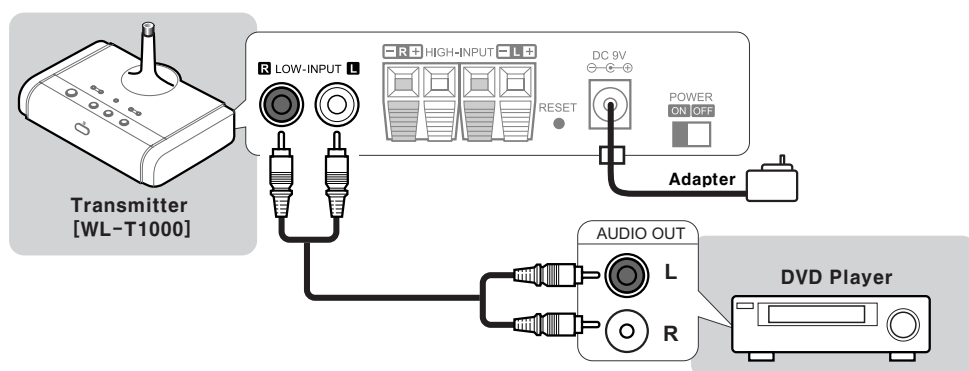
■ Connecting DVD Player built decoder in.

1. Connect DC 9V adapter to DC input jack on the back of WL-T1000.
2. Plug in DC 9V adapter connecting WL-T1000.
3. Connect LOW-INPUT to surround out jack of DVD player.

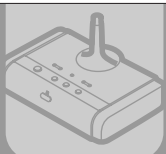


■ Connecting 2.1CH

1. Connect DC 9V adapter to DC input jack on the back of WL-T1000.
2. Plug in DC 9V adapter connecting WL-T1000.
3. Connect LOW-INPUT to audio out jack of DVD player.



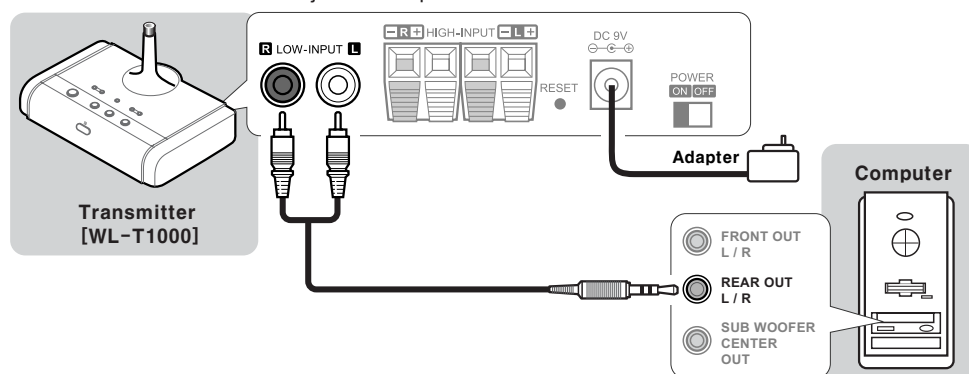
NOTE • Refer to the instruction manual of each component to be connected.



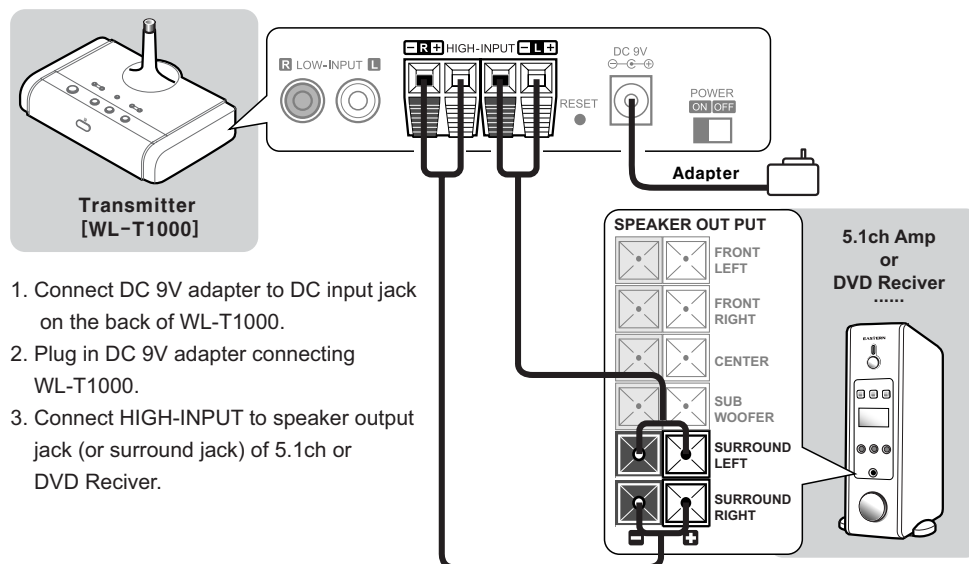
Connecting Transmitter [WL-T1000]

■ Connecting 5.1ch soundcard

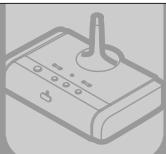
1. Connect DC 9V adapter to DC input jack on the back of WL-T1000.
2. Plug in DC 9V adapter connecting WL-T1000.
3. Connect LOW-INPUT to rear jack of computer



■ connecting 5.1ch amplifier

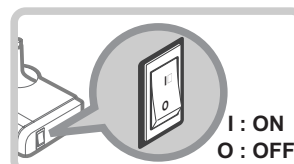


NOTE • Refer to the instruction manual of each component to be connected.

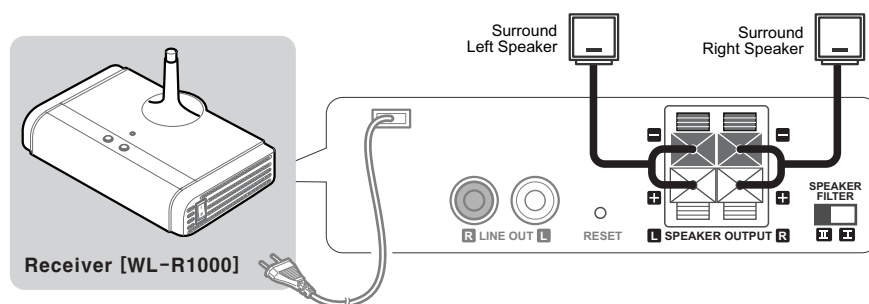


Connecting Receiver [WL-R1000]

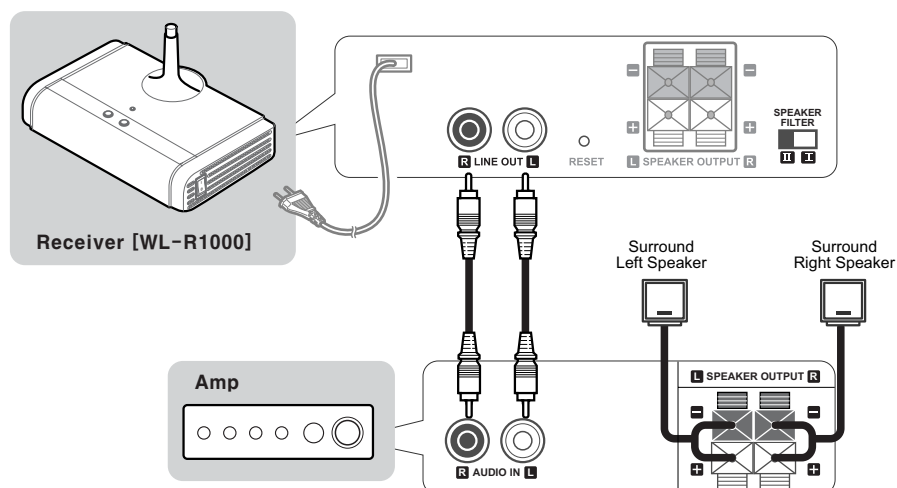
1. Plug in the power cord of receiver [WL-T1000]
2. Connect surround speaker to receiver
3. Select speaker impedance using speaker filter switch. ('I' or 'II')
4. Set up power switch on right side of receiver 'I'.



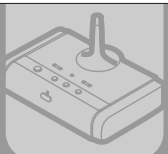
■ Connecting surround speaker



■ Connecting another amplifier



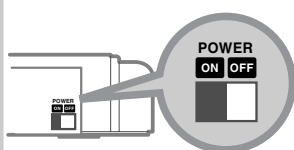
NOTE • Refer to the instruction manual of each component to be connected.



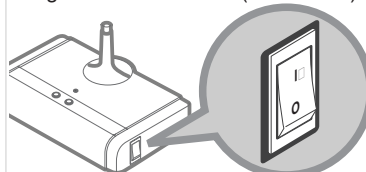
Basic operation

■ POWER ON

Back panel of Transmitter (WL-T1000)



Right side of Receiver (WL-R1000)



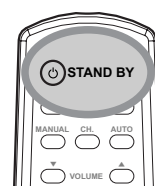
1. Connect DC 9V adapter to DC input jack on the back of WL-T1000
 2. Switch on WL-T1000.
 3. Plug in WL-R1000.
 4. Switch on WL-R1000
- Power Blue LAMP of WL-T1000 and WL-R1000 flicker, which means STAND-BY. (AUTO ID Pairing)

NOTE

- Do not use the power switch on WL-T1000 and WL-R1000 if possible.
- When plugging off and then on one of WL-T1000 and WL-R1000 or switch off then, you should plug off and then on one of the other.

■ STAND BY ON

1. Press STAND BY button.
 - Light on BLUE power LAMP.
 - Light on AUTO LED, LOW LED and LINK LED.
2. Operate DVD player or DVD receiver connecting WL-T1000.



NOTE

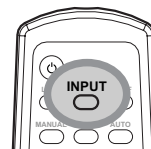
- The distance of Tx and Rx for best performance is 4m to 6m.
- If LINK LED does not light on, make WL-T1000 and WL-R1000 power off and then on.



Basic operation

■ Selecting INPUT

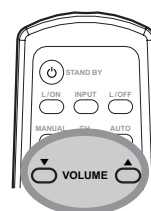
1. select input using INPUT button.
- Light up HIGH INPUT LED when selecting HIGH INPUT
 - Light up LOW INPUT LED when selecting LOW INPUT



- NOTE**
- connect HIGH INPUT to speaker output.
 - HIGH INPUT is set up to initial set up.

■ Adjusting VOLUME

- **Using DVD player or CD player**
 1. Adjust volume level using volume UP/DOWN button.
- **Using DVD receiver or 5.1ch amplifier**
 1. Adjust volume level of DVD receiver or 5.1ch amplifier.
 2. Press test tone of DVD receiver or 5.1ch amplifier.
 3. Adjust volume level of WL-1000 to match the other channels from test tone.



- NOTE**
- Use test tone of DVD player if your 5.1ch amplifier does not have any decoder.
 - You cannot adjust volume of level of LINE OUT.

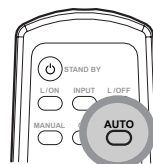


Basic operation

■ Selecting AUTO channel

1. Press AUTO button of your remote control.

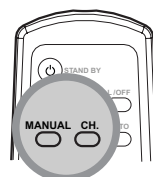
NOTE • AUTO channel is set up to initial set up.



■ Selecting MANUAL channel

1. Press MANUAL button then AUTO LED is light off.
2. Press CH button
 - the channel shall be changed whenever pressing CH button (CH1→ CH2→ CH3)
3. Select one channel which the best one of 3 channels.

NOTE • Use MANUAL function only when there are too much interference.
• AUTO channel is set up to initial set up.



■ Light on and off for POWER LAMP

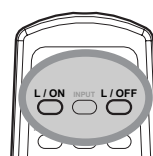
● Lighting ON continuously

1. Press L/ON button on the remote control.

● Lighting OFF continuously

2. Press L/OFF button on the remote control
 - Whenever pressing button of remote or WL-1000, LAMP is light on for approximately 10sec.

NOTE • Light off LAMP if possible as audio drop out is affected by LED.
• L/OFF is set up to initial set up.





Specifications

■ Transmitter [WL-T1000]

Description	Spec
Transmit Power	10mW
Frequency Range.....	2,402 ~ 2,480MHz
Modulation	Adaptive Frequency Spread Spectrum
Input Level	High 9V
	Low 500mV
Power Supply	DC 9V, 250mA
Dimension	(W)160 X (D)121 X (H)93

■ Receiver [WL-R1000]

Description	Spec
Sensitivity.....	-70dBm
Signal to Noise Ratio.....	60dB
Frequency Response	20Hz ~ 20KHz
Output Power (10% THD, 4ohm)	+30W
THD	0.5%
Power Supply	100-240V~, 50/60Hz
Dimension	(W)230 X (D)161 X (H)115