



Wireless Stereo System

BWS-01-A

BWS-01-B

BWS-01-B-H

IMPORTANT SAFETY INSTRUCTIONS

1. Do not try to open or modify this product and related accessories under any circumstances ; This may expose you to dangerous high voltage electricity or it may cause shock hazard and other risks , And will void the product warranty if the product fails , please contact your dealer or distributor to return the product for repair

2. Do not place the device near water or in a place with severe moisture
- For example, bathroom, washbasin, kitchen sink, laundry room. Near a swimming pool or anywhere else that is vulnerable to water droplets or high moisture levels in the long term

3. Do not play the system at excessive volume for a long time using this system , Listen for long periods of time at excessive volume , can cause irrecoverable damage to your ear canal and tympanic membrane or damage to other body parts

4. This system contains components that emit electromagnetic fields
 , These electromagnetic fields may interfere with rhythm regulator heart rate defibrillators or other medical treatment apparatus , operate this system between your medical device and the system, please maintain a proper safety distance. Please consult your physician and medical device manufacturer, get specific information about your medical device.

5. ARTICLE 12 without permission granted by the NCC, any company enterprise or user is not allowed to change frequency, enhance transmitting power or after original characteristic as well as performance to an approved low power radio-frequency devices. ARTICLE 14 the low power radio-frequency devices shall not influence aircraft security and interfere legal communications; if found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the telecommunications Act. The low power radio-frequency must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

4.7.9.1 Should avoid affecting the operation of nearby radar systems °

4.7.9.2 High Gain Directional Antennas Only Applicable to Fixed Point-to-Point Systems °

FCC RF Radiation Exposure Statement:

1. 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.

2. 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 Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

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(一) Packaging Accessories

Transmitter Accessories:

Transmitter BWS-01-A x 1

USB Cable x 1

3.5mm Cable x 1

Antenna x 1

(*) Receiver Accessories:

Receiver BWS-01-B x 1

RCA to Banana Plug Cable x 1

Antenna x 1

(*) Receiver Accessories:

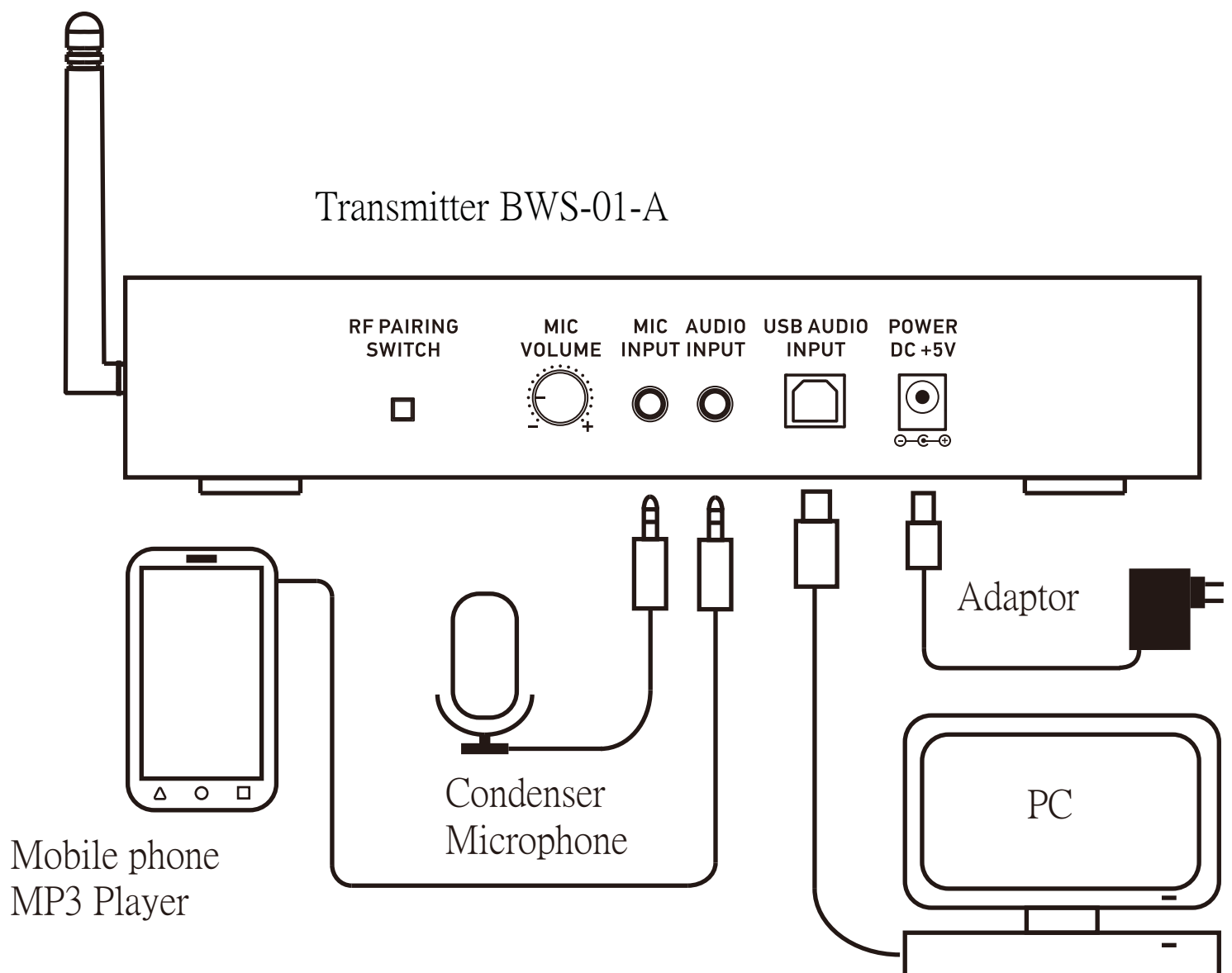
Receiver BWS-01-B-H x 1

Banana Plug Cable x 1

Antenna x 1

(*)Packaging accessories according to the shipping model content prevail

(二) System Installation Diagram



(一) Packaging Accessories

Transmitter Accessories:

Transmitter BWS-01-A x 1
USB Cable x 1
3.5mm Cable x 1
Antenna x 1

(*) Receiver Accessories:

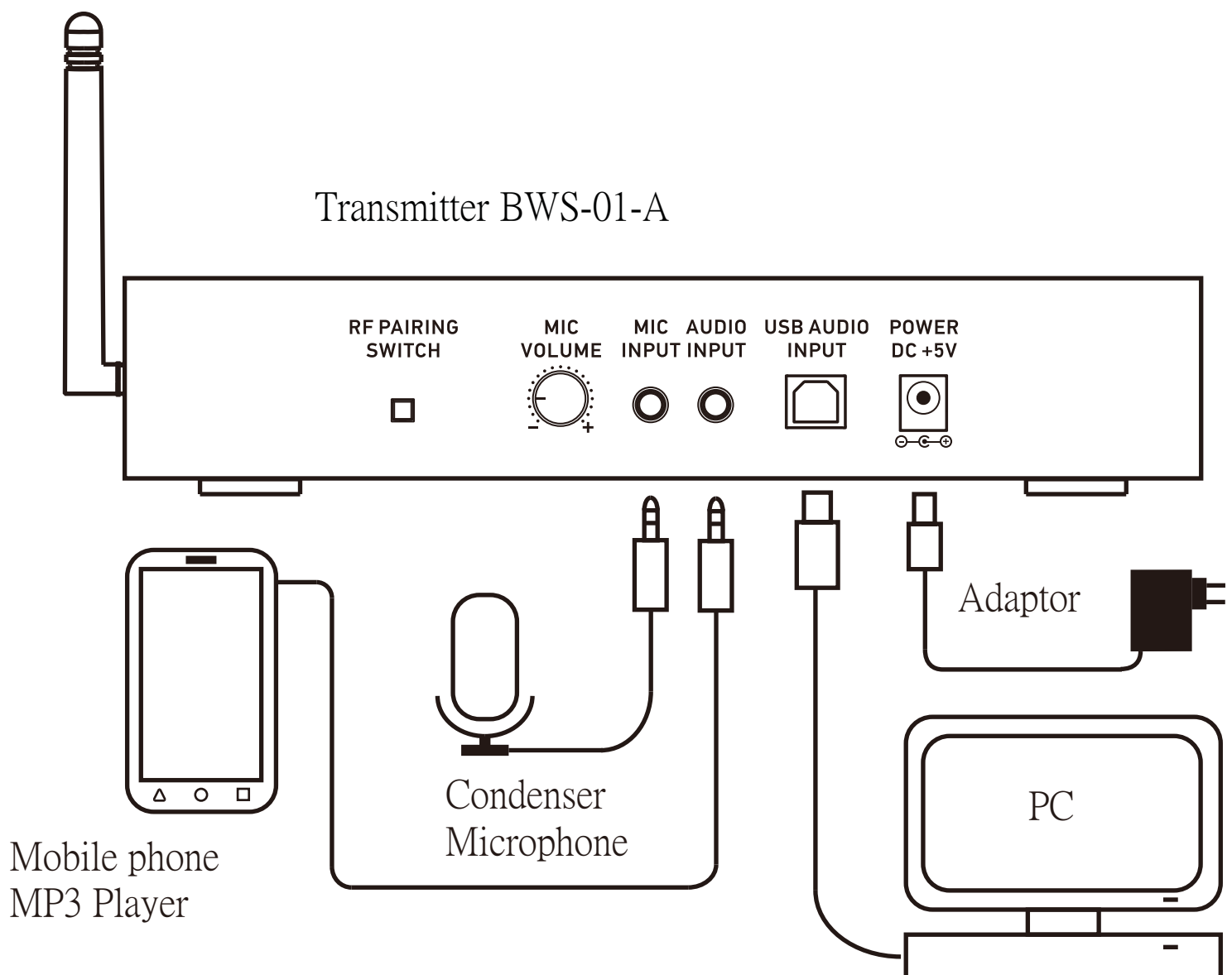
Receiver BWS-01-B x 1
RCA to Banana Plug Cable x 1
Antenna x 1

(*) Receiver Accessories:

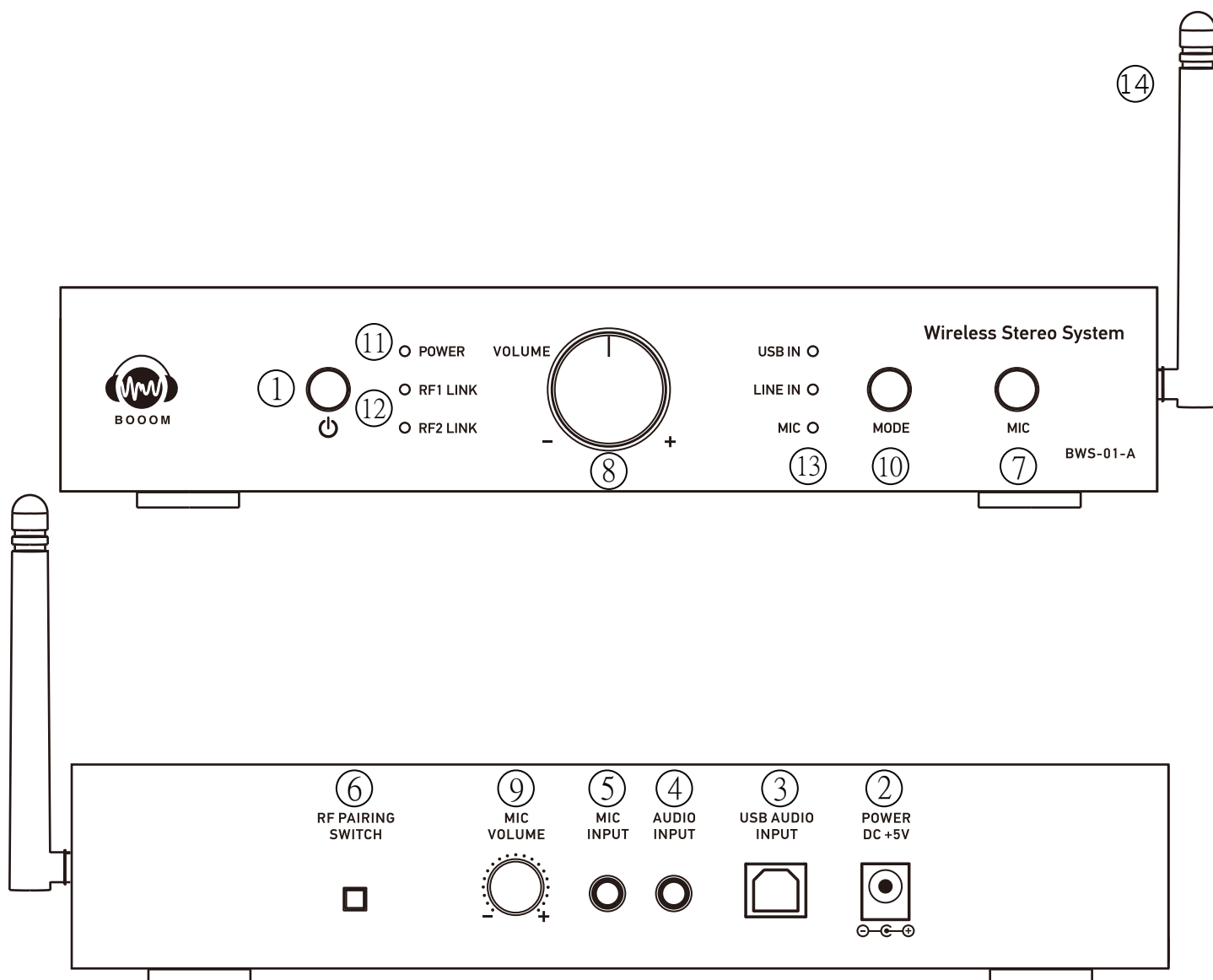
Receiver BWS-01-B-H x 1
Banana Plug Cable x 1
Antenna x 1

(*)Packaging accessories according to the shipping model content prevail

(二) System Installation Diagram



(三) Transmitter BWS-01-A Function Description



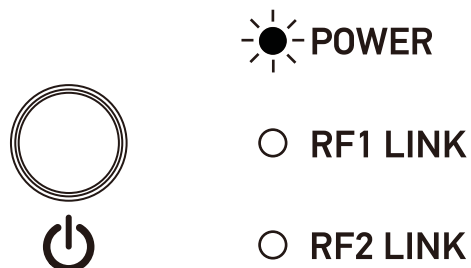
- | | |
|----------------------------|-------------------------------|
| 1. Power Switch | 8. Volume Control |
| 2. Power Input | 9. Microphone Volume Control |
| 3. USB Audio Input | 10. Audio Input Select |
| 4. 3.5mm Audio LINE IN | 11. Power Indicator |
| 5. Microphone Input | 12. Wireless Signal Indicator |
| 6. Wireless Pairing Switch | 13. Audio Selection Indicator |
| 7. Microphone Switch | 14. Antenna |

(四) Transmitter BWS-01-A User Guide

1. Power on

Connect the adapter with the Transmitter

Press the power button, the Transmitter enters the startup state, press the power button again, enter the standby state

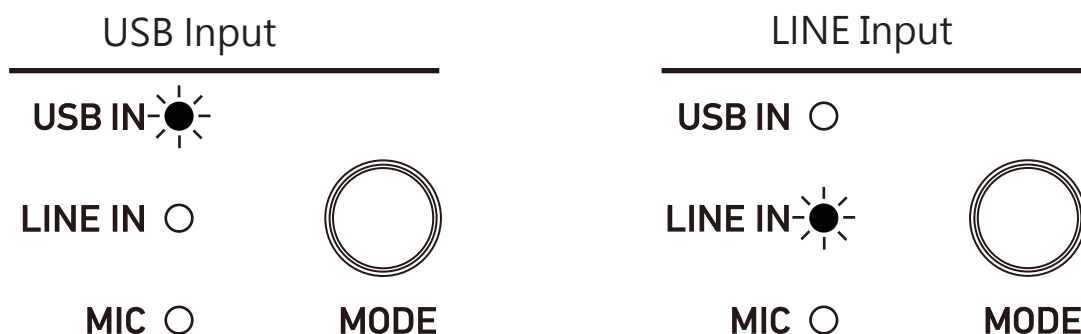


"Green light" shows that the Transmitter is On

"Red light" shows that the Transmitter is in the standby state

2. Audio Input Source Selection

Press the MODE Switch , System Can Select Aduio Input from USB In or from LINE IN



3. Microphone Broadcast Function

Press the MIC Switch , System can start Broadcasting mode or leave Broadcasting mode.

MIC light "ON" , Active Prompt tone , leaving Audio mode entering Broadcasting mode .

MIC light "OFF" , Active Prompt tone , leaving Broadcasting mode and continue play Music .

Start Broadcasting Mode

USB IN ●

LINE IN ○

MIC-●

Leaving Broadcasting Mode

USB IN ●

LINE IN ○

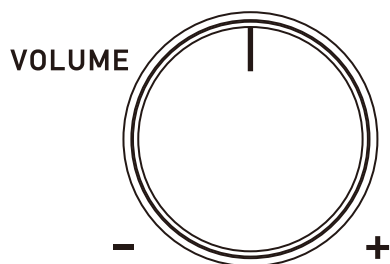
MIC ○

*Broadcast prompt tone is fixed volume cannot adjust volume

4. Volume Control

Master Volume Control

⇒ System Master Volume Adjustment



MIC Volume Control

⇒ System MIC Volume Adjustment



5. Wireless Function Description

1. Wireless Pairing Switch

RF PAIRING SWITCH



When pressing pairing switch , Transmitter entering Pairing mode 。
(This product pairing method must be combined with the receiver and completed manually)

One minute after entering pairing mode, Transmitter will leave the pairing mode automatically

2. Wireless Signal Indicator

● POWER

RF1 LINK , RF2 LINK light will have the following indicator:



RF1 LINK

1. Wireless data transmission is normal: RF1, RF2 LED Continuous on
2. Transmitter enters pairing mode: RF1, RF2 LED flash every 2 second

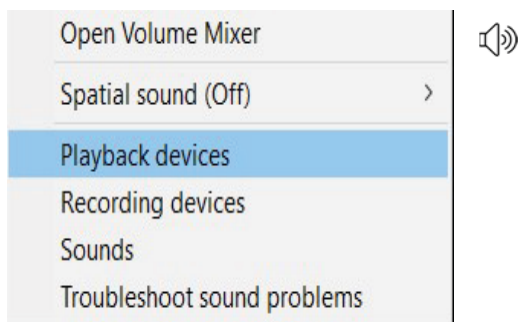


RF2 LINK

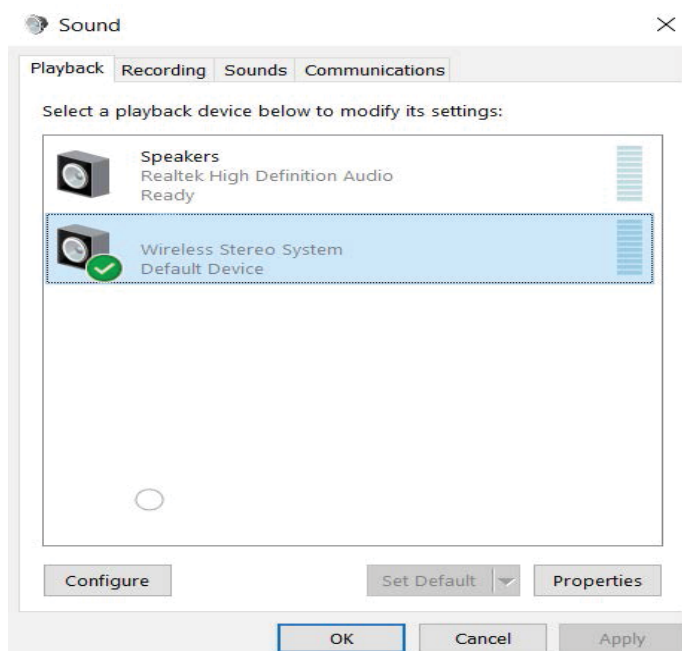
6. PC Connection Installation Instructions

Connecting BWS-01-A with PC, The computer needs to set the playback device

1. Using the USB cable to plug in to BWS-01-A then other side connect with the PC.
2. Press the Power button on BWS-01-A to turn on the system.
3. Right click on the "Volume" icon at PC side, and select "playback device" with the left mouse button (P)"

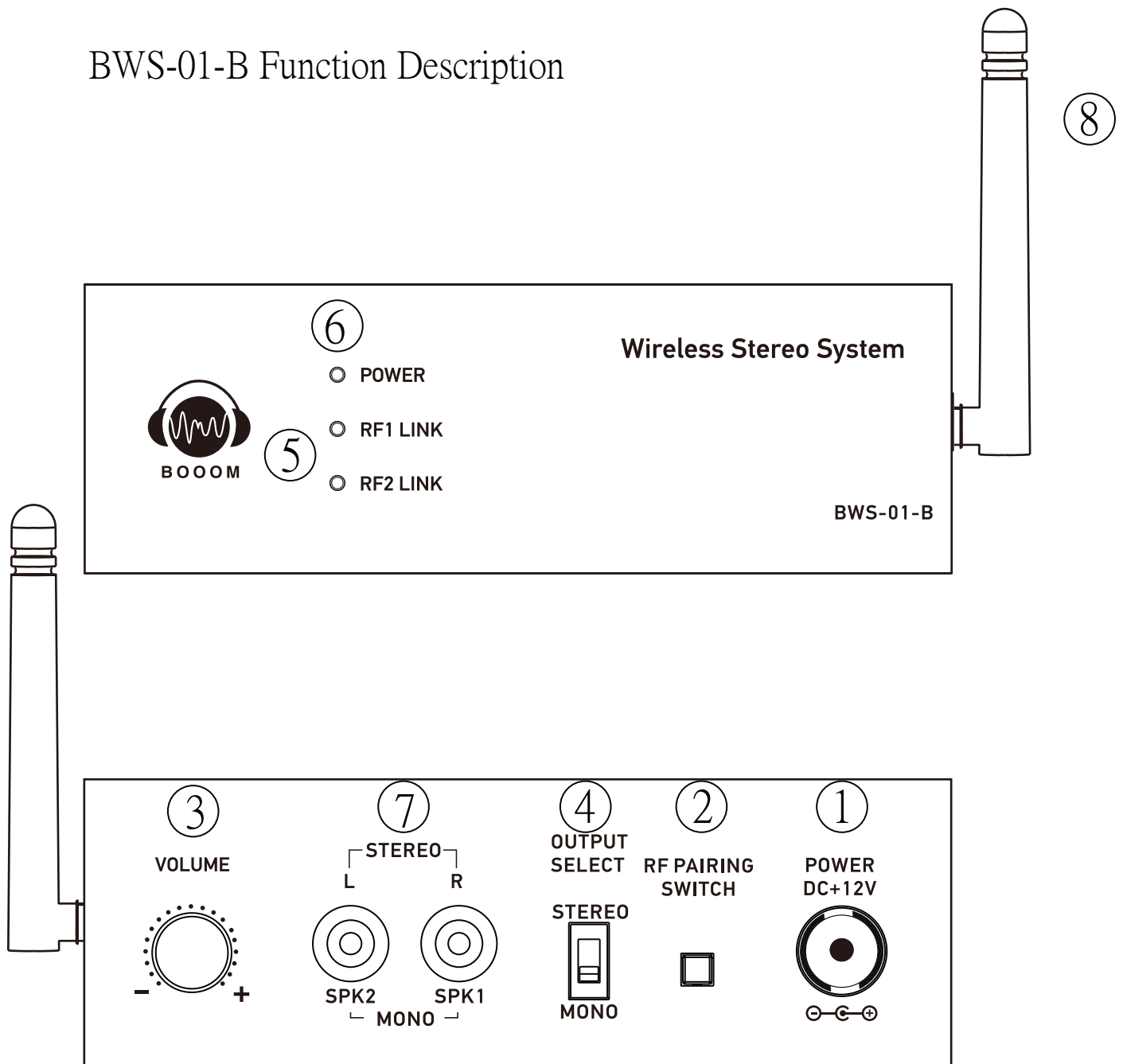


Right-click "Wireless Stereo System" and select among the options "Set as default device (D)" and click "OK" to use the device. Then all the music you played from your PC will come out from our "WSS" system.



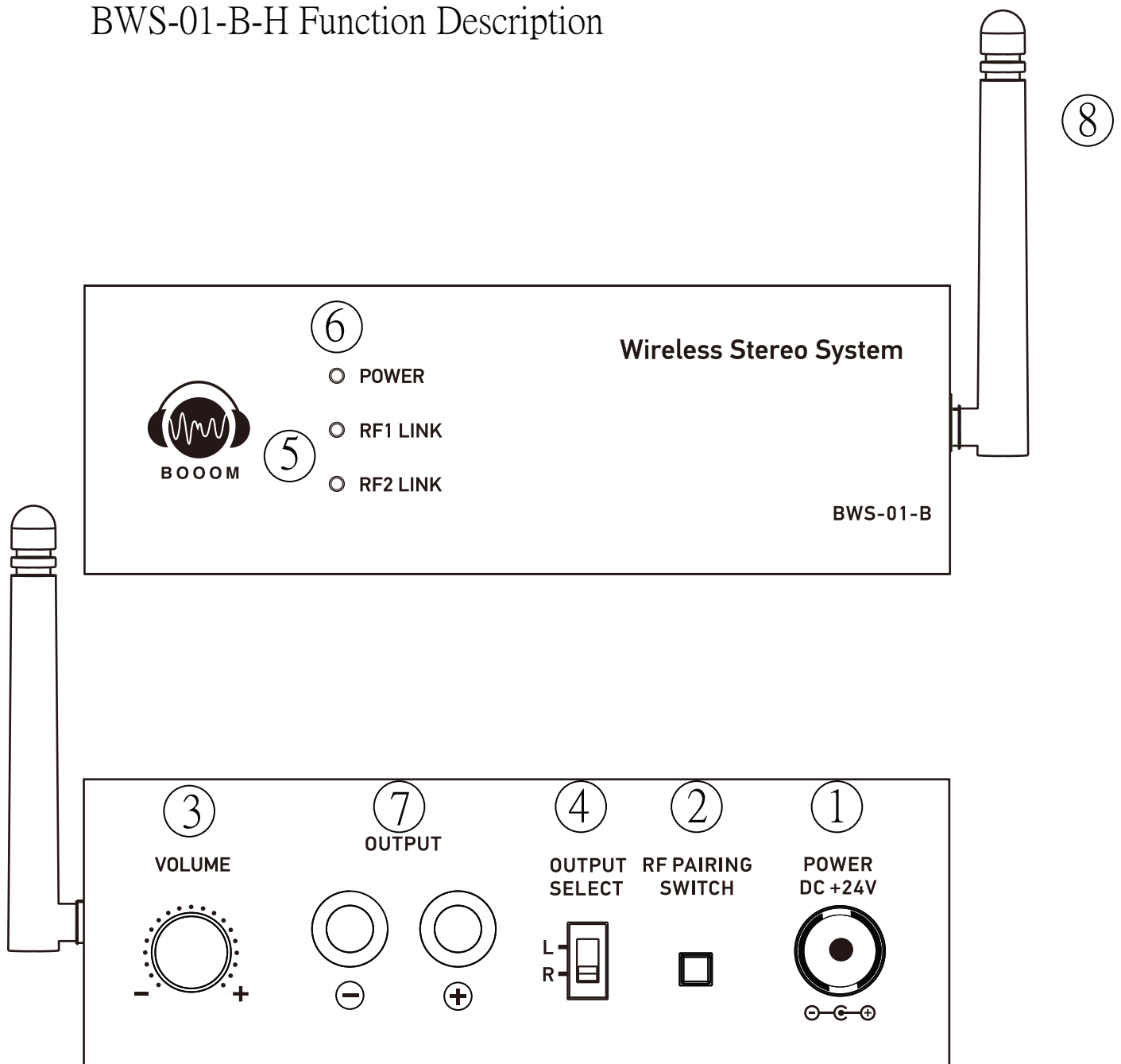
(五) Receiver BWS-01-B / BWS-01-B-H Function Description

BWS-01-B Function Description



- | | |
|-------------------------------------|----------------------------|
| 1. Power Input | 6. Power Indicator |
| 2. Wireless Pairing Switch | 7. Speaker output terminal |
| 3. Speaker Volume Control | 8. Antenna |
| 4. Stereo/Mono output Select Switch | |
| 5. Wireless Signal Indicator | |

BWS-01-B-H Function Description



- | | |
|-------------------------------------|----------------------------|
| 1. Power Input | 6. Power Indicator |
| 2. Wireless Pairing Switch | 7. Speaker output terminal |
| 3. Speaker Volume Control | 8. Antenna |
| 4. L/R Channel output select switch | |
| 5. Wirelss Signal Indicator | |

(六) Receiver BWS-01-B / BWS-01-B-H User Guide

1. Power Connection

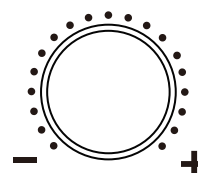
Connect the adapter to the Power input, And lock the nut at the transformer head to the Receiver, Prevent power connector from falling °

2. Channel Settings and Volume Adjustment

Volume Adjustment:

Through the Receiver's back volume button, you can set the fixed volume of the receiver's speaker

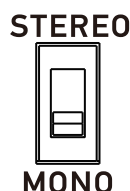
VOLUME



Speaker Channel Settings Stereo/Mono:
BWS-01-B

1. Switch goes up, select "STEREO" as speaker output sound
2. Switch goes down, select "MONO" as speaker output sound

**OUTPUT
SELECT**



Speaker Channel Settings Left/Right:
BWS-01-B-H

1. Switch goes up, select (L) as speaker output sound
2. Switch goes down, select (R) as speaker output sound

**OUTPUT
SELECT**



3. Receiver Wireless Function Description

1. Wireless Pairing Switch

**RF PAIRING
SWITCH**



Press and Hold the Pairing Switch over 1 second, Receiver entering Pairing mode °

(One minute after entering pairing mode, Receiver will leave the pairing mode automatically)

2. Wireless Signal Indicator

● **POWER**

RF1 LINK , RF2 LINK light will have the following indicator

● **RF1 LINK**

1. Wireless data transmission is normal: RF1, RF2 LED Continuous on,

2. Receiver enters pairing mode: RF1, RF2 LED flash every 2 seconds

● **RF2 LINK**

(七) Wireless Decive Pairing Guide

Note: Make sure all Receivers are Paired before the Receivers are positioned

1. Plug the power to the Transmitter then turn on the power
2. Plug the power to the Receiver (if you have more, please do the same to all Receivers)
3. Press and hold the pairing button on the back of the receiver for more than 1 second and release it.,The RF signal indicator flashes twice per second(The receiver will automatically leave after entering the pairing mode for 1 minute, if still need entering pairing mode Please repeat step 3)



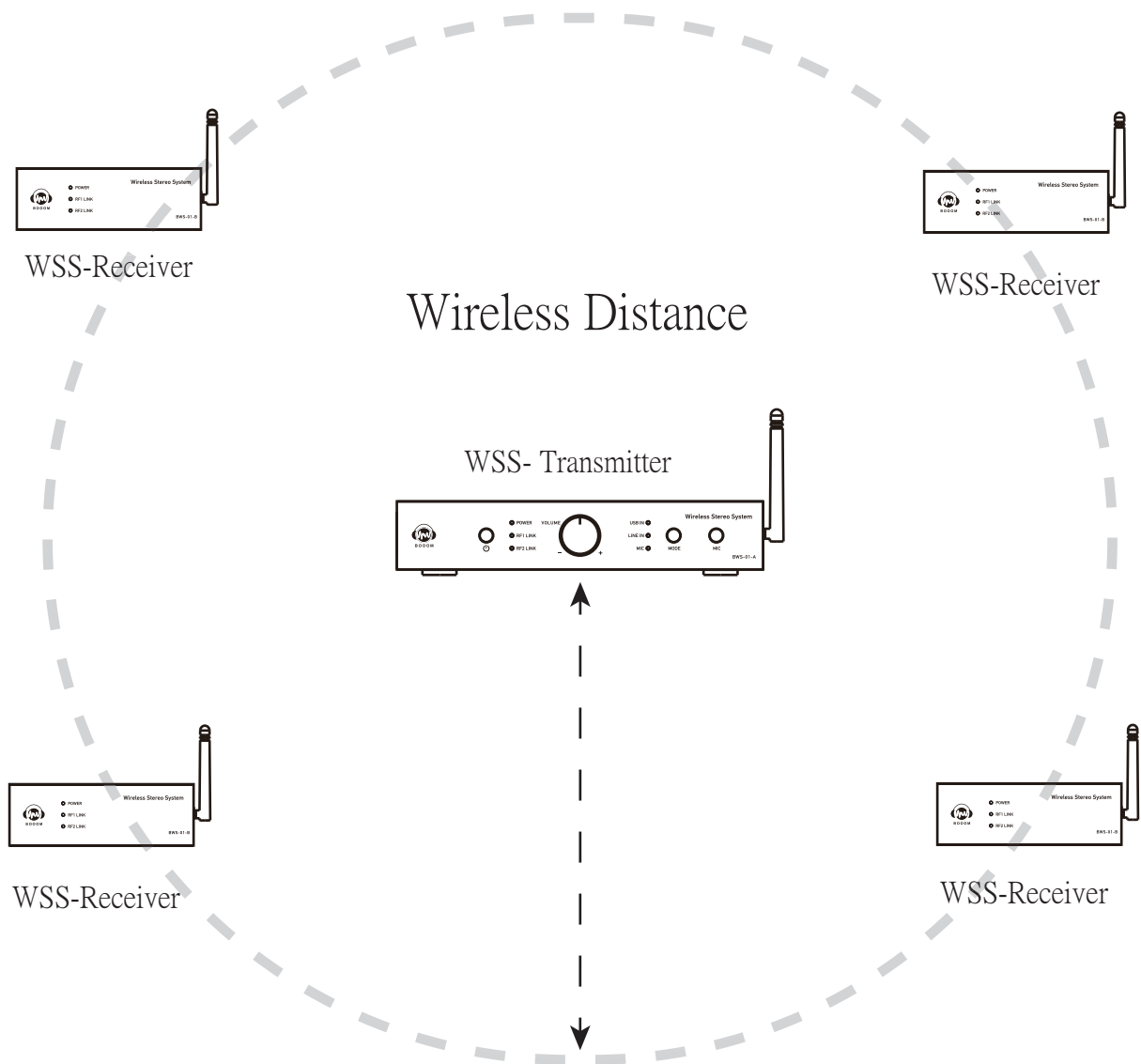
(If there are multiple receivers, Please repeat the operation, Let multiple receivers enter pairing mode at the same time)

4. Press the pairing switch form the transmitter, chekch the RF LED light are fleshing, then transmitter are entering the pairing mode



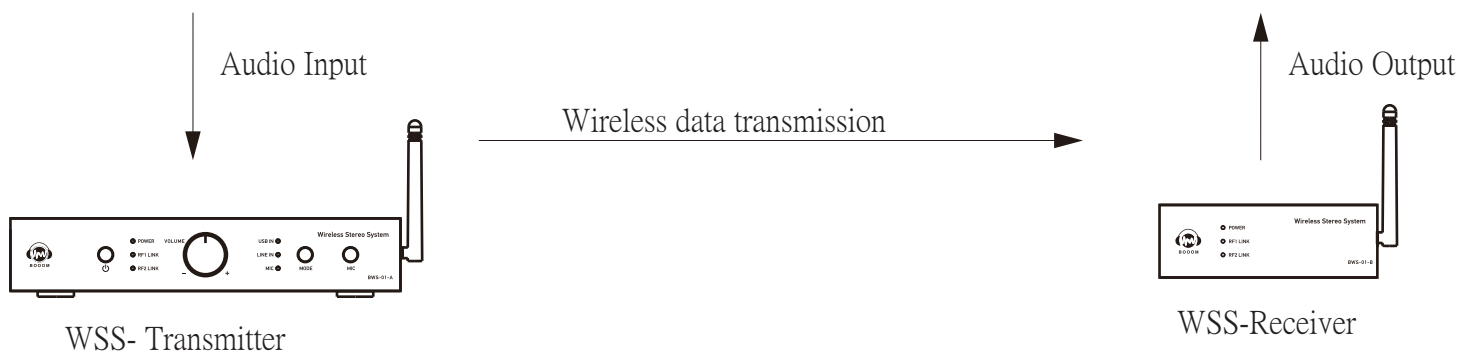
5. Observe each receiver's wireless device status LEDs from blinking to continuously light, Complete pairing(Transmitter and receiver device pairing operation, Please complete the pairing operation within 1 minute)

(八) Wireless Distance and Delay time Description



Transmitter to Receiver wireless distance 20 meter radius

Wireless Delay time Description



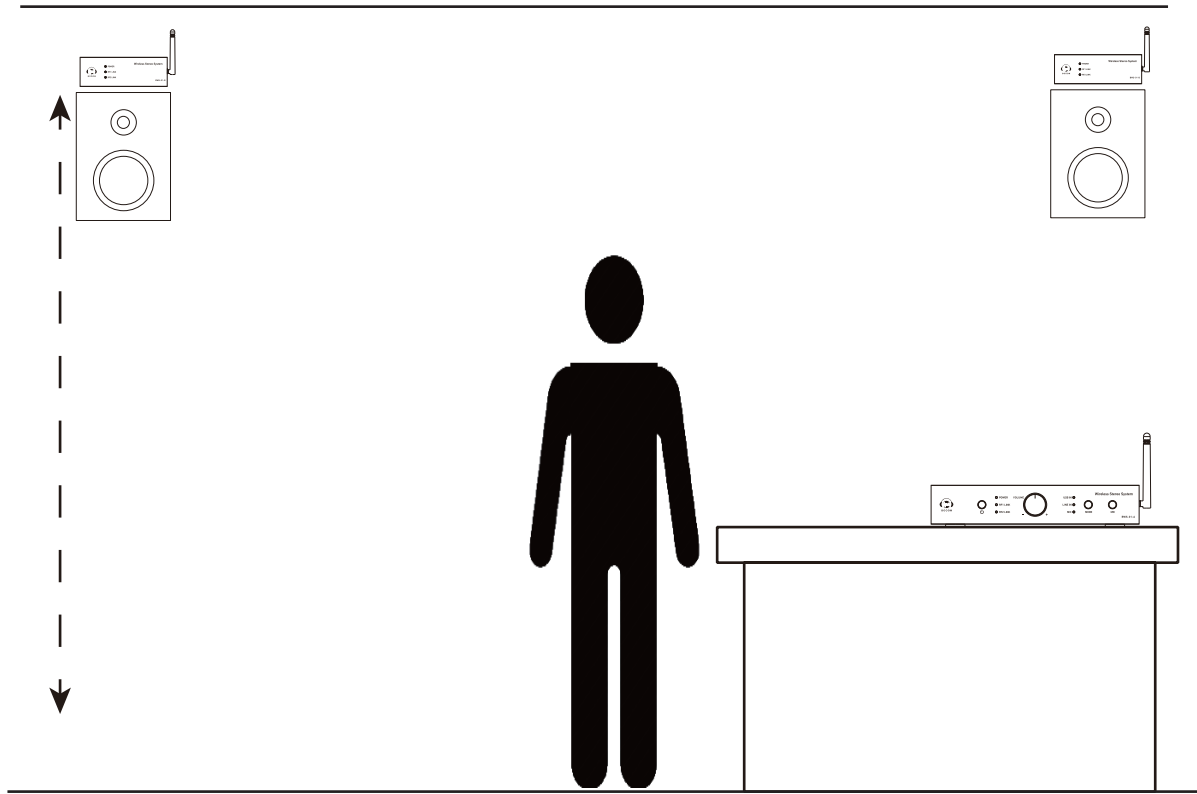
data delay time $\leq$ 20 millisecond

*The maximum wireless transmission distance of the unit will cause a difference in the communication distance due to the different installation environments

(九) Installation Notes

- . Transmitter placement recommended on the desktop
- . receiver height must be higher than human height, in order to get the best reception status
- . If the signal reception is poor, Can try to adjust the receiver antenna angle

If the receiver's receive signal quality still cannot be improved, It is recommended to move the receiver to an appropriate location



- . Press the power switch , Turn on the transmitter , Check each receiver's wireless signal indicator is "on" .
- . If the wireless signal indicator is "flashing" , Please move the transmitter place or receiver place , Until the wireless signal indicator is "On" .
- . When using USB in or LINE in to play music , Check if the receiver's music is interrupted .
- . If the receiver's music is interrupted , Please move the transmitter place or receiver place .
- . When receiver is positioned, Can be adjusted volume from each receiver

(+) Specification

Transmitter BWS-01-A	
Power Input	Input : 5V DC/ 1A
Power consumption	2.18W
Input specifications	. USB-In : USB type B (Sample rate= 48KHz/16bits, Support USB 2.0 full-speed) . Line-In : 3.5 mm phone jack (10 k Ω mixed monaural, Full scale input=2.1Vrms) . MIC-In : 3.5 mm phone jack (35 k Ω mixed monaural, Full scale input=0.707Vrms, Maximum volume gain= 15dB, Bias voltage=2.5V, Bias current sourcing=4mA)
Wireless transmission frequency	ISM 2.4GHz / 5.8GHz
Operating Temperature	0℃ ~ +40℃ / 32 ℉ ~104 ℉
Operating Humidity	35 % to 80 %RH (no condensation)
Dimensions	215(W) ×100(D)×40(H) mm
Weight	0.85kg(1.87 lb)
Case Material	Aluminum alloy
Accessory	USB cable*1, 3.5mm audio cable*1, Antenna*1

Receiver BWS-01-B	
Power Input	Input : 12V DC / 2.5A
Power consumption	30W (maximum)
Amplification System	Class-D
Frequency Response	20 Hz - 20 kHz, ± 3 dB (at 1/3 rated output)
Signal & Noises Rates	92dBrA or more (A-Weighting)
Distortion	1 % or less (at 1 kHz, 1/3 rated output power)
Sample Rate	48KHz/16bits
Max output power per channel	4 Ω /15W(L-Ch), 4 Ω /15W(R-Ch)
Operating Temperature	0 ℃ ~ +40 ℃ / 32℉ ~ 104 ℉
Operating Humidity	35 % to 80 %RH (no condensation)
Dimensions	120(W) ×100(D)×40(H) mm
Weight	0.6kg (1.32 lb)
Case Material	Aluminum alloy
Accessory	Speaker cable * 2 、 Antenna * 1

Receiver BWS-01-B-H	
Power Input	Input : 24V DC / 2.7A
Power Consumption	60W (maximum)
Amplification System	Class-D
Frequency Response	20 Hz - 20 kHz, ± 3 dB (at 1/3 rated output)
Signal & Noises Rates	92dBrA or more (A-Weighting)
Distortion	1 % or less (at 1 kHz, 1/3 rated output power)
Sample Rate	48KHz/16bits
Power Output	4 Ω /60W
Operating Temperature	0 $^{\circ}$ C ~ +40 $^{\circ}$ C / 32 $^{\circ}$ F ~ 104 $^{\circ}$ F
Operating Humidity	35 % ~ 80 %RH (no condensation)
Dimensions	120(W) $\times$ 100(D) $\times$ 40(H) mm
Weight	0.6kg (1.32 lb)
Case Material	Aluminum alloy
Accessory	Speaker cable 、 Antenna * 1

台灣RoHS限用物質含有情況標示

Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱 Equipment name	Wireless Stereo System 無線擴大機組		型號（型式） Type designation (Type)	:BWS-01-A		
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
內外殼	○	○	○	○	○	○
電路板	○	○	○	○	○	○
旋鈕	○	○	○	○	○	○
電線	—	○	○	○	○	○
備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。 Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. 備考3. “—” 係指該項限用物質為排除項目。 Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.						

備註: 本限用物質含有情況標示是根據測試報告 No. TWNC00678516 的結果製作。
Remark The Declaration of the Presence Condition of the Restricted Substances Marking based on report No. TWNC00678516.

台灣RoHS限用物質含有情況標示

Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱 Equipment name	Wireless Stereo System 無線擴大機組		型號（型式） Type designation (Type)	:BWS-01-B / BWS-01-B-H		
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
內外殼	—	○	○	○	○	○
電路板	—	○	○	○	○	○
旋鈕	○	○	○	○	○	○
電線	—	○	○	○	○	○
備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。 Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. 備考3. “—” 係指該項限用物質為排除項目。 Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.						

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