

High Fidelity

5.8G Wireless Audio Transceiver Amplifier

User Manual



Please carefully read the User Manual before using the product

■ Feature of Product

High Fidelity Sound Quality

Adopt the advanced 5.8G wireless audio technology of Avnera Company in the United States, support the audio input sampling rate of 32-96kHz, and the sound quality reaches the uncompressed stereo CD standard

Low Latency

The latency is as low as 14.8ms (typical, stereo), easily meeting the 5.1/7.1 home theater surround sound standard.

Long Distance

Advanced radio frequency technology and software algorithm, wireless transmission distance up to 150m (line of sight range).

Anti-jamming

Easily upgrade your living room or professional theater to wireless surround sound with superior auto-detection and broadband interference avoidance.

High Power

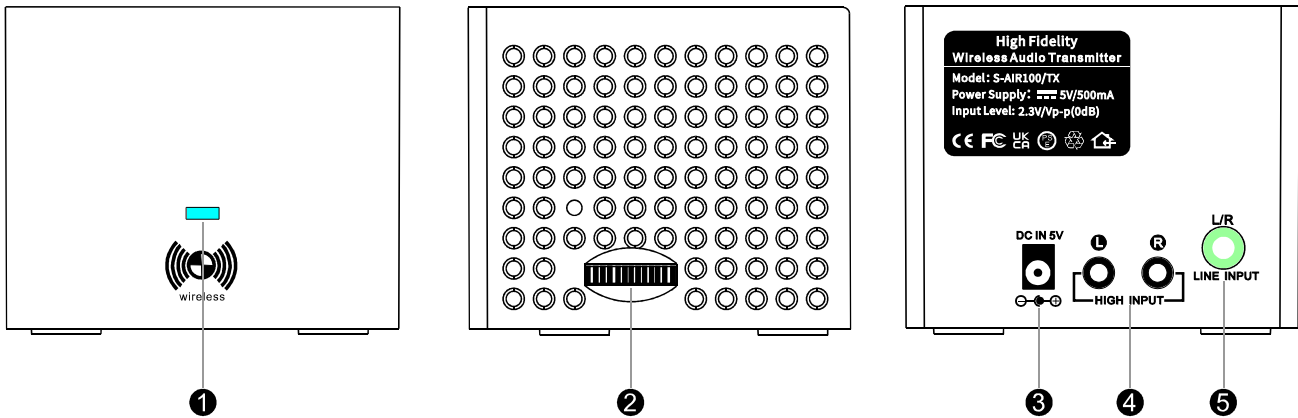
High-efficiency class-D digital power amplifier, the powerful output power is enough to drive the surround speakers to create a shocking scene.

High Performance Circuit Design

From DAC to operational amplifier, from power supply to filter circuit, everything is repeatedly debugged and determined by experienced engineers to maximize the overall noise ratio of the circuit.

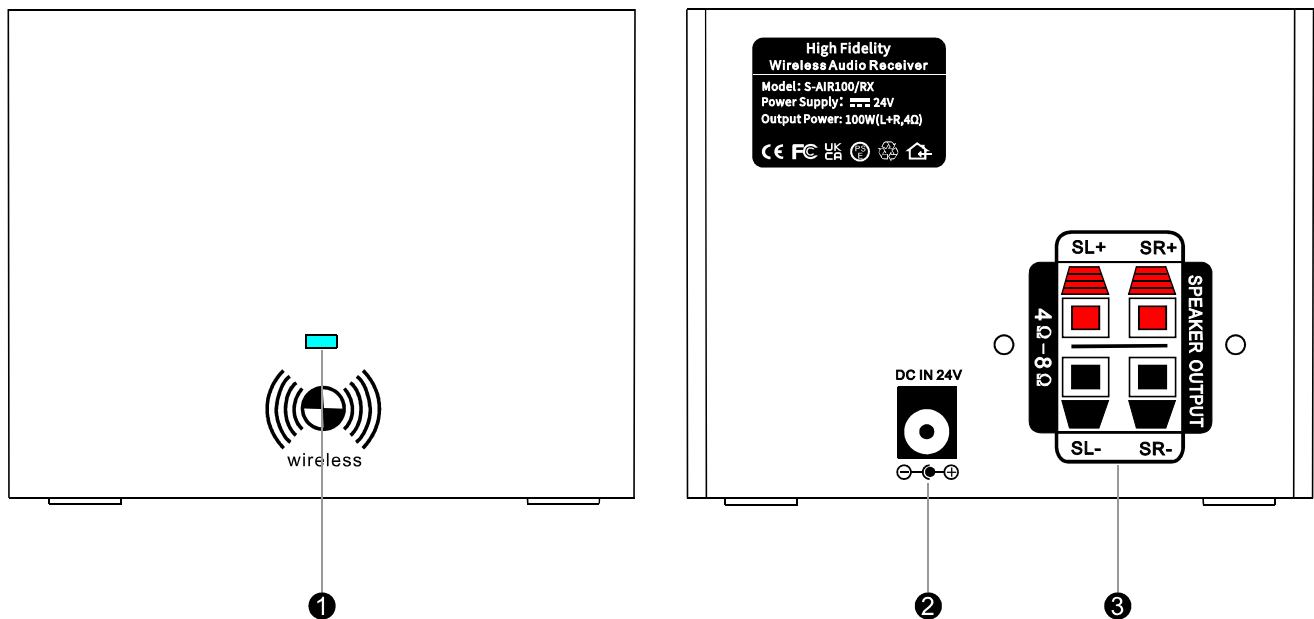
Feature of Product

Wireless Transmitter



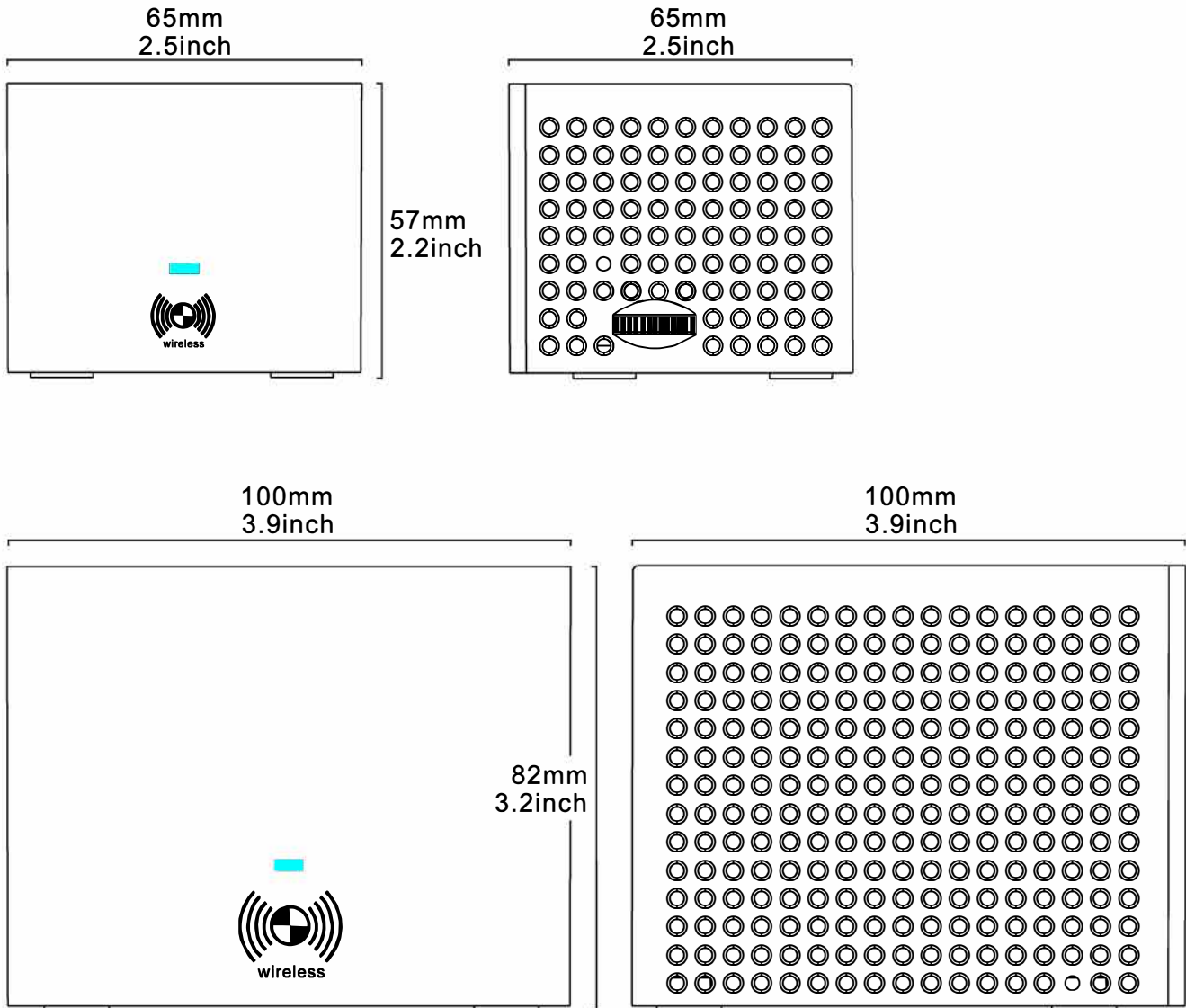
- 1 Working status LED lights
- 2 High level signal input amplitude adjustment
- 3 Power supply
- 4 High level signal input
- 5 Low level signal input

Wireless Receiver



- 1 Working status LED lights
- 2 Power supply
- 3 Speaker output

■ Specifications



Product Name: 5.8GHz Wireless Audio Transceiver Amplifier

Model: S-AIR100

Output Power: 100W (L+R, 4Ω, THD=10%, DC24V)

Power Supply: DC24V(Wireless Receiver)

DC5V(Wireless Transmitter)

Wireless Frequency Range: 5.745-5.825GHz

Wireless Delay: 14.8ms typ, for stereo

Sampling Frequency Range: 32-96KHz

Wireless transmission distance: Max 100m (Line of Sight)

Input Level: 2.3V/Vp-p(0dB)

Operating Temperature: 0° to 40° C (32° to 104° F)

Weight: 80g(Transmitter)

270g(Receiver)

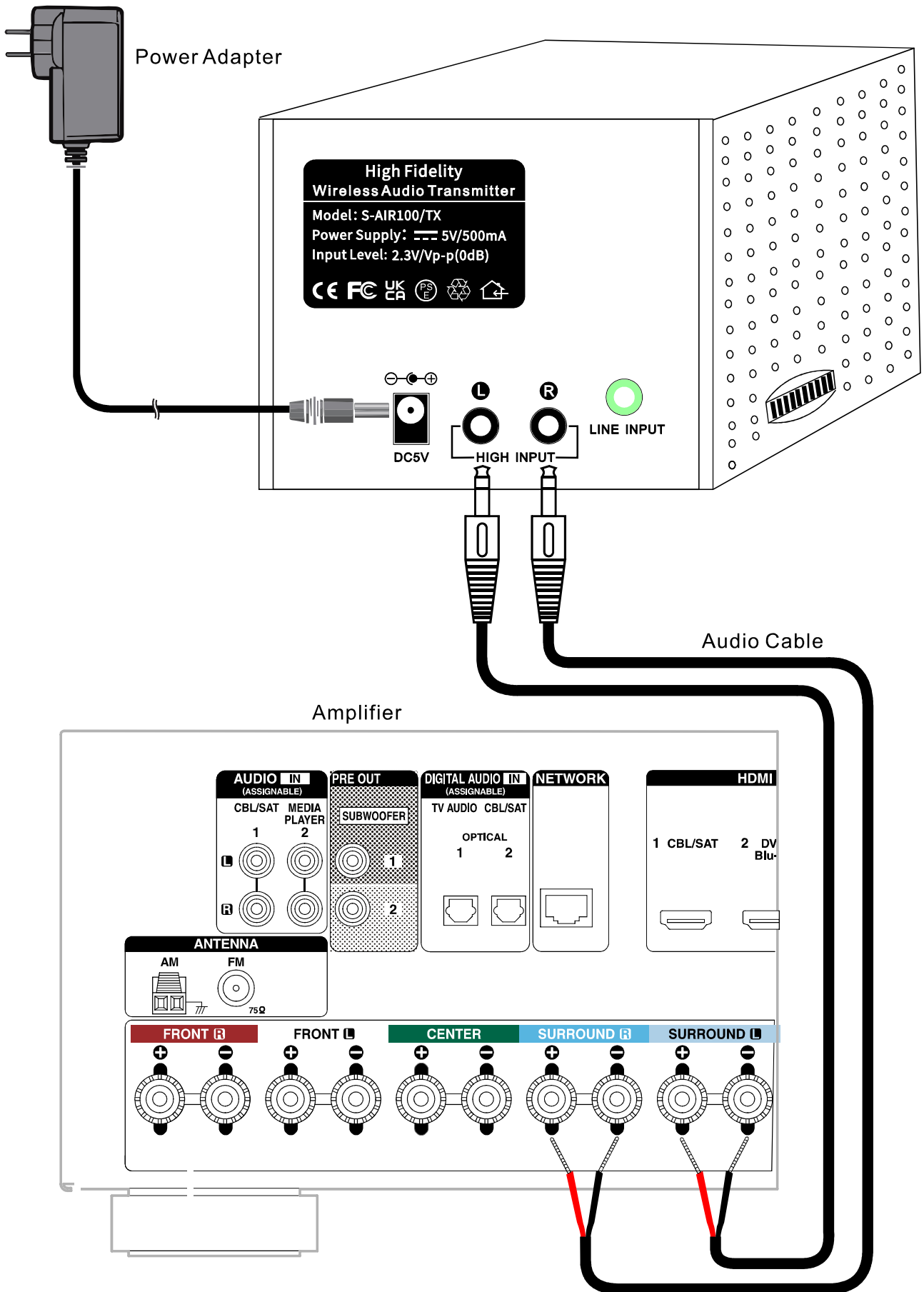
■ Building a Wireless Surround 5.1 Home Theater



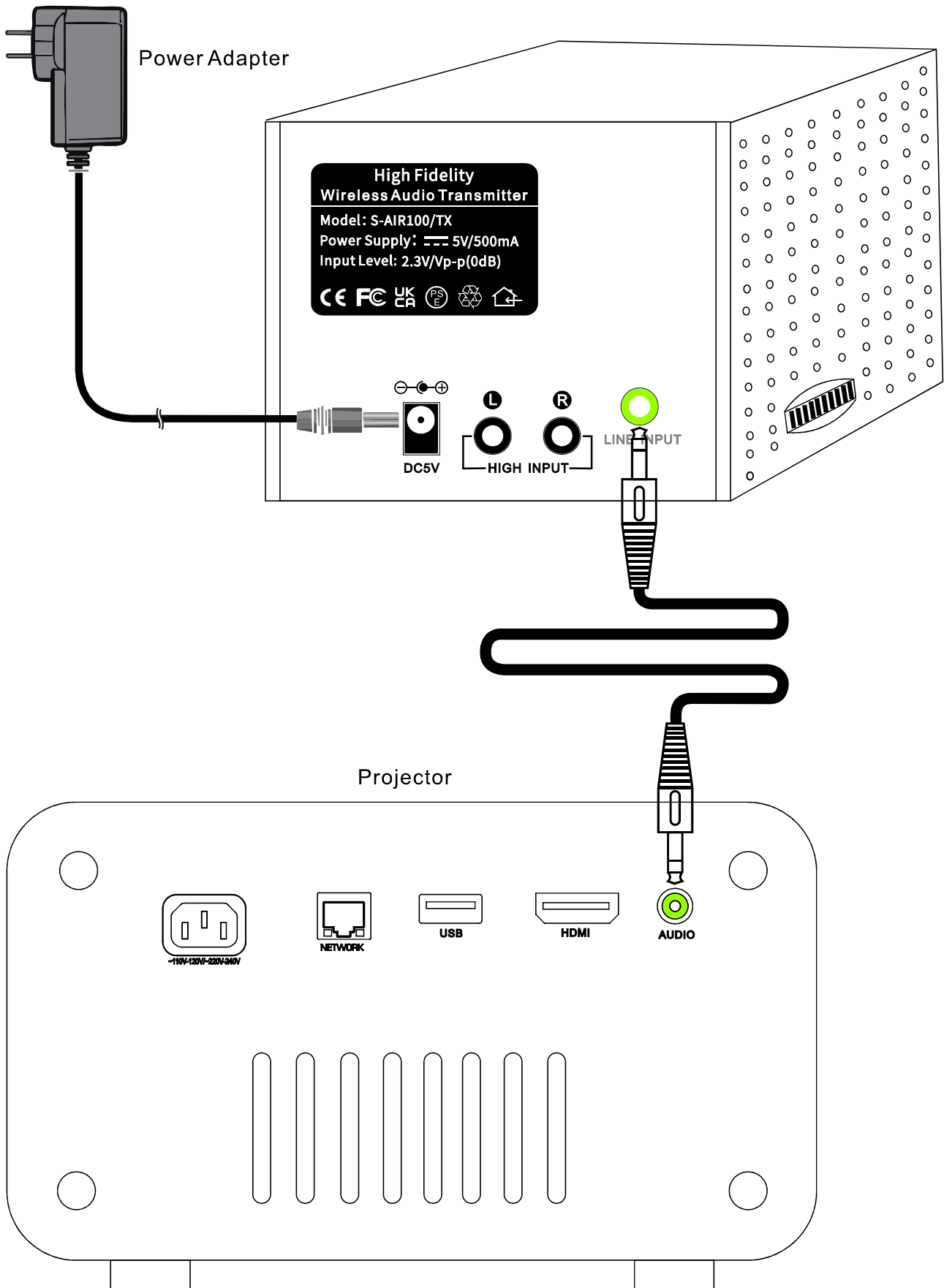
■ Building a Projector Wireless Sound System



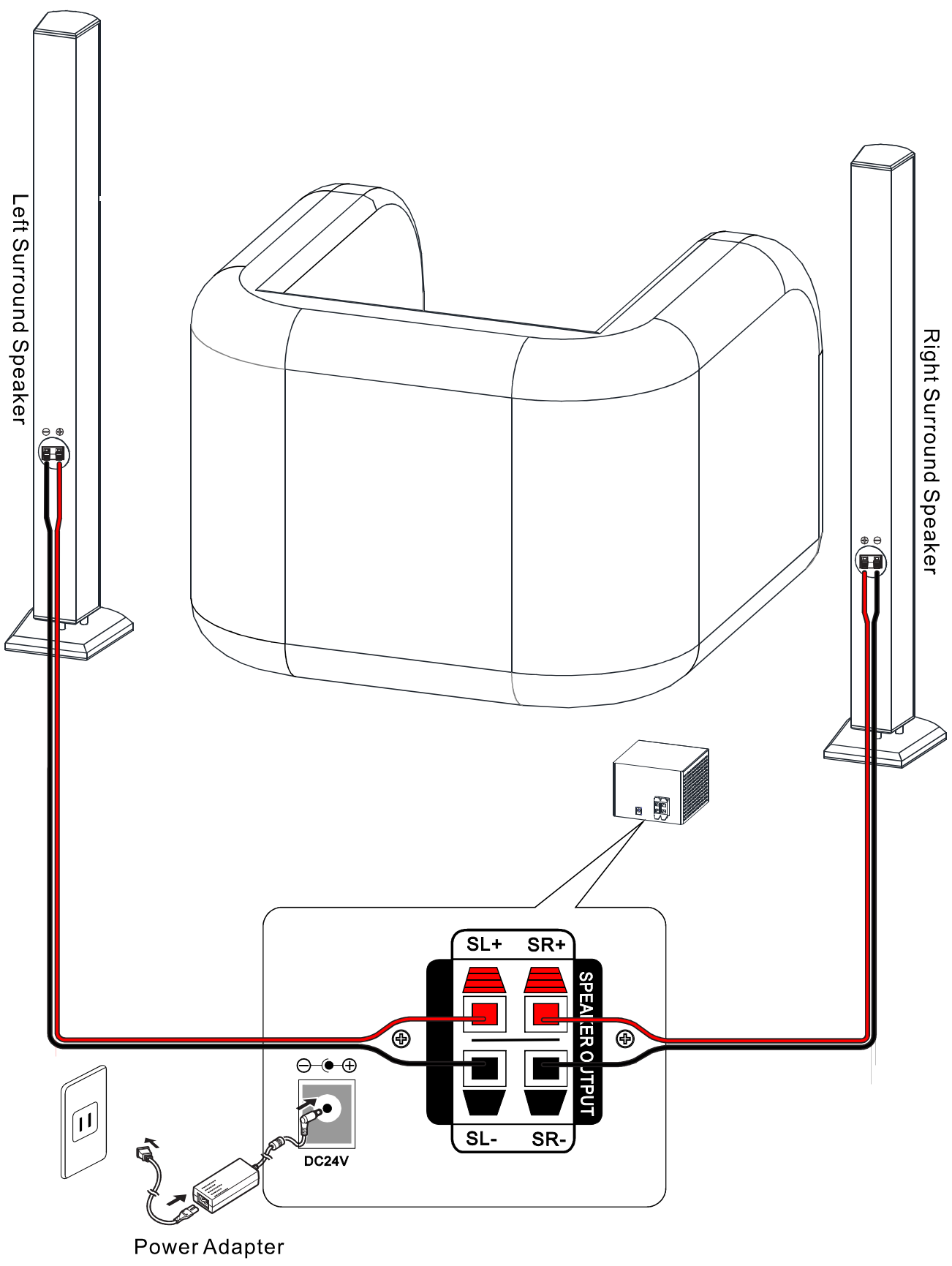
Connect The Transmitter to The 5.1CH Amplifier



■ Connect The Transmitter to The Projector



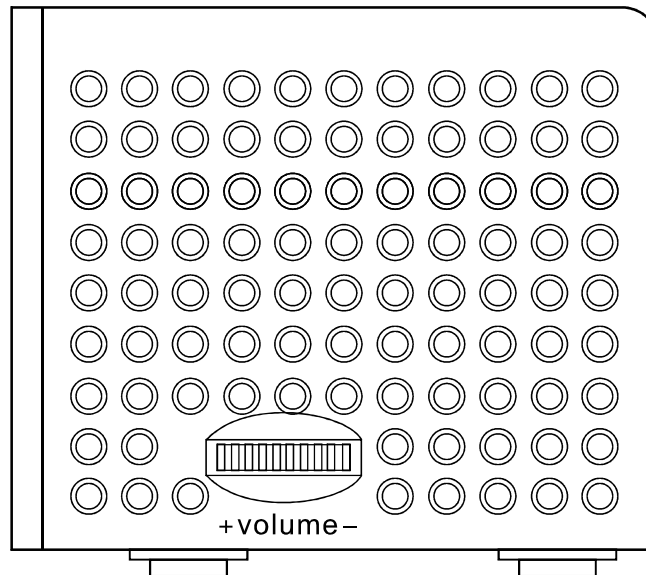
Connect Surround Speakers to The Receiver



■ Adjust High Level Input Amplitude

Adjust the high level of the wireless surround transmitter according to the field test results. Input the volume potentiometer to realize the overall sound pressure balance of the home theater speakers.

Wireless Transmitter (left side)



High level Signal Enhancement ← → High level signal attenuation

■ Notice

1. Please do not disassemble the product shell, it may cause product damage or other dangers. Please do not arbitrarily dismantle, extrude, puncture, short circuiting this product or put this product into water, fire or expose this product in a place where temperature is higher than 40°C.
2. The product is not suitable being treated as toys.
3. Please keep the fan out of the reach of infants and young children. When using in an environment with infants and young children, adult supervision is required to prevent infants' fingers from touching the fan leaf.
4. Please use a qualified charger and data cable to charge the fan. If the data cable is aging or damaged, it should be replaced in time.
5. The fan is not easy to place on a vibrating table or item, which can cause it to slip and cause permanent damage.

■ FCC Regulatory Conformance

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.

NOTE: 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 or more 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.
- 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.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



WE ARE HERE FOR YOU

www.nodelay.tech

深圳市爱音数码电子有限公司

Shenzhen Aiyin Digital Electronic CO.,LTD

TEL/FAX:(+86)755 29599123

Email:aiyindigital@outlook.com

Address:Room 3A08,Hengan Business Building,NO.15
Alley 1 of Cuigang,Huaide Community,Fuyong Sub-District,
Baoan District,Shenzhen City

V1.0 2023. 3