

Airpulse A100

Airpulse A100 Active Speaker System User Manual

Model: A100 | Brand: Airpulse

1. INTRODUCTION

Thank you for purchasing the Airpulse A100 Active Speaker System. This manual provides essential information for the proper setup, operation, and maintenance of your speakers. Please read it thoroughly before use to ensure optimal performance and longevity of your product.

The Airpulse A100 is a Hi-Res Audio Certified active speaker system designed to deliver high-fidelity sound. It features a built-in amplifier and offers a wide array of input options, including Optical, Bluetooth 4.1 aptX, RCA, AUX, and USB, providing versatile connectivity for various audio sources.

2. PACKAGE CONTENTS

Please ensure all the following items are present in your package:

- Airpulse A100 Active Speakers (1 Pair)
- Remote Control
- Power Cable
- Speaker Connection Cable
- Optical Cable
- RCA to RCA Audio Cable
- 3.5mm to RCA Audio Cable
- USB Cable
- User Manual (this document)

3. PRODUCT OVERVIEW

3.1 Front Panel

The front of each Airpulse A100 speaker features a horn-loaded aluminum ribbon tweeter for clear high frequencies and a 5-inch aluminum cone woofer for powerful bass. The active speaker (right speaker) also

includes an indicator light and an infrared receiver for the remote control.



Front view of the Airpulse A100 active speaker system, showcasing the ribbon tweeter and 5-inch woofer.

3.2 Rear Panel and Controls

The rear panel of the active speaker houses all the input/output connections and control knobs. These include volume/input selection, bass and treble adjustments, a power switch, and various audio input ports.



Rear panel of the Airpulse A100, detailing the input/output connections and control knobs.

Controls:

- **Volume/Input Knob:** Rotate to adjust volume. Press to cycle through input sources (PC, AUX, USB, Optical, Bluetooth).
- **Bass Knob:** Adjusts the low-frequency output.
- **Treble Knob:** Adjusts the high-frequency output.
- **Power Switch:** Toggles the speaker system on or off.

Inputs/Outputs:

- **AUX Input:** 3.5mm stereo input for connecting devices with a headphone jack.
- **PC Input:** RCA stereo input for connecting to a computer.
- **USB Input:** USB Type-B port for direct digital audio connection to a computer.
- **Optical Input:** Optical (TOSLINK) input for digital audio sources.
- **Sub Out:** RCA output for connecting an external powered subwoofer.
- **L Speaker Out:** Connection for the passive left speaker.
- **AC Input:** Power cable connection.

4. SETUP

4.1 Speaker Placement

For optimal sound quality, place the speakers on a stable, level surface. Position them at an equal distance from your listening position, forming an equilateral triangle. Ensure there is adequate space behind the speakers for proper airflow and cable connections.



Side view of the Airpulse A100 speakers, illustrating typical placement on stands.

4.2 Connecting the Speakers

Connect the active (right) speaker to the passive (left) speaker using the provided speaker connection cable. Ensure the connectors are firmly seated.

4.3 Power Connection

Connect the power cable to the AC input on the rear panel of the active speaker, then plug it into a wall outlet. Ensure the power switch is in the 'OFF' position before connecting to power.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Flip the power switch on the rear panel of the active speaker to the 'ON' position to power on the system. Flip it to 'OFF' to power down.

5.2 Input Selection

Press the Volume/Input knob on the rear panel or the 'INPUT' button on the remote control to cycle through the available input sources: PC, AUX, USB, Optical, and Bluetooth.

5.3 Bluetooth Pairing

1. Select 'Bluetooth' as the input source. The indicator light on the active speaker will flash.
2. On your audio device (e.g., smartphone, tablet), enable Bluetooth and search for 'AIRPULSE A100'.
3. Select 'AIRPULSE A100' to pair. Once connected, the indicator light will glow steadily.

Note: The Bluetooth range is approximately 10 meters. Obstacles may reduce this range.

5.4 Volume and Tone Adjustment

Rotate the Volume/Input knob on the rear panel or use the volume buttons on the remote control to adjust the overall volume. Use the Bass and Treble knobs on the rear panel to fine-tune the low and high frequencies according to your preference.

5.5 Subwoofer Connection

To enhance bass performance, connect an external powered subwoofer to the 'Sub Out' port on the active speaker's rear panel using an RCA cable. Adjust the subwoofer's volume and crossover frequency as needed.

6. MAINTENANCE

To maintain the appearance and performance of your Airpulse A100 speakers:

- **Cleaning:** Use a soft, dry cloth to wipe the speaker surfaces. Avoid using abrasive cleaners, waxes, or solvents.
- **Environment:** Keep the speakers away from direct sunlight, heat sources, and excessive moisture. Ensure proper ventilation around the speakers.
- **Handling:** Avoid placing heavy objects on the speakers or exposing them to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your Airpulse A100 speakers, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound	Power off; incorrect input; loose cables; low volume.	Ensure power is on; select correct input; check all cable connections; increase volume.
Bluetooth not connecting	Speakers not in pairing mode; device too far; interference.	Ensure Bluetooth input is selected and indicator is flashing; move device closer; restart speakers and device.
Distorted sound	Volume too high; source audio quality; loose cables.	Reduce volume; try a different audio source; check cable connections.
Remote control not working	Dead batteries; obstruction; too far.	Replace batteries; remove obstructions; move closer to the active speaker.

If the problem persists after trying these solutions, please contact customer support.

8. SPECIFICATIONS

Key technical specifications for the Airpulse A100 Active Speaker System:

- **Speaker Type:** Bookshelf, Active
- **Connectivity Technology:** Auxiliary, Bluetooth, Coaxial, Optical, RCA, USB

- **Bluetooth Version:** 4.1 aptX
- **Bluetooth Range:** 10 Meters
- **Audio Output Mode:** Surround (4.1 with external subwoofer)
- **Woofer Diameter:** 5 Inches
- **Tweeter:** Horn Loaded Aluminum Ribbon
- **Power Source:** Corded Electric
- **Product Dimensions:** 6.3 x 11.1 x 10 inches (per speaker)
- **Item Weight:** 29.5 pounds (pair)
- **Included Components:** Optical cable, RCA cable
- **Control Method:** Voice (via connected device), Knobs, Remote
- **Color:** Red

9. WARRANTY AND SUPPORT

The Airpulse A100 Active Speaker System comes with a 2-year warranty covering parts and labor in the USA and Canada, ensuring high quality and reliability.

For technical support, warranty claims, or further assistance, please refer to the contact information provided with your purchase documentation or visit the official Airpulse website.

10. PRODUCT VIDEOS

No specific video URLs were provided in the product data to embed. Please refer to the official Airpulse website or product page for any available instructional or promotional videos.