

ASHATA AK170

ASHATA AK170 Mini Audio Amplifier User Manual

Model: AK170

INTRODUCTION

This manual provides detailed instructions for the ASHATA AK170 Mini Audio Amplifier. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and lifespan.

The ASHATA AK170 is a versatile and compact power amplifier designed for various audio applications. It features a high-quality woven aluminum alloy process, offering a slim and modern design. Key functionalities include adjustable high and low volume settings, compatibility with various digital products, and automatic FM radio frequency search support.

PRODUCT FEATURES

- **Compact and Modern Design:** Slim profile with a high-quality woven aluminum alloy finish.
- **Adjustable Audio Output:** Features high and low volume auxiliary settings for personalized sound.
- **Broad Compatibility:** Works with a variety of digital audio devices.
- **FM Radio Functionality:** Supports automatic search and reception of FM radio frequencies.
- **Simple Operation:** Designed for ease of use with straightforward features.
- **Enhanced Sound System:** Plays a crucial role in promoting speaker sound for a good audio experience.

PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- 1 x ASHATA AK170 Mini Audio Amplifier
- 1 x Instruction Manual (this document)

Note: A power adapter is not included and must be purchased separately.

PRODUCT OVERVIEW



Figure 1: Front Panel Controls

Power Switch: Toggles the amplifier on/off.

Bass Adjustment: Knob to control the bass level.

Volume Control: Main knob to adjust the overall audio volume, with an LED light circle indicator.

Treble Adjustment: Knob to control the treble level.

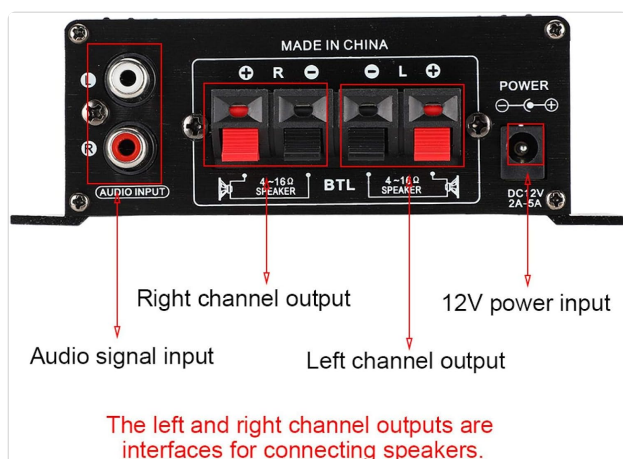


Figure 2: Rear Panel Connections

Audio Signal Input (RCA): Red and white RCA jacks for connecting audio sources.

Right Channel Output: Speaker terminal for the right channel.

Left Channel Output: Speaker terminal for the left channel.

12V Power Input: DC 12V 2A-5A power jack.

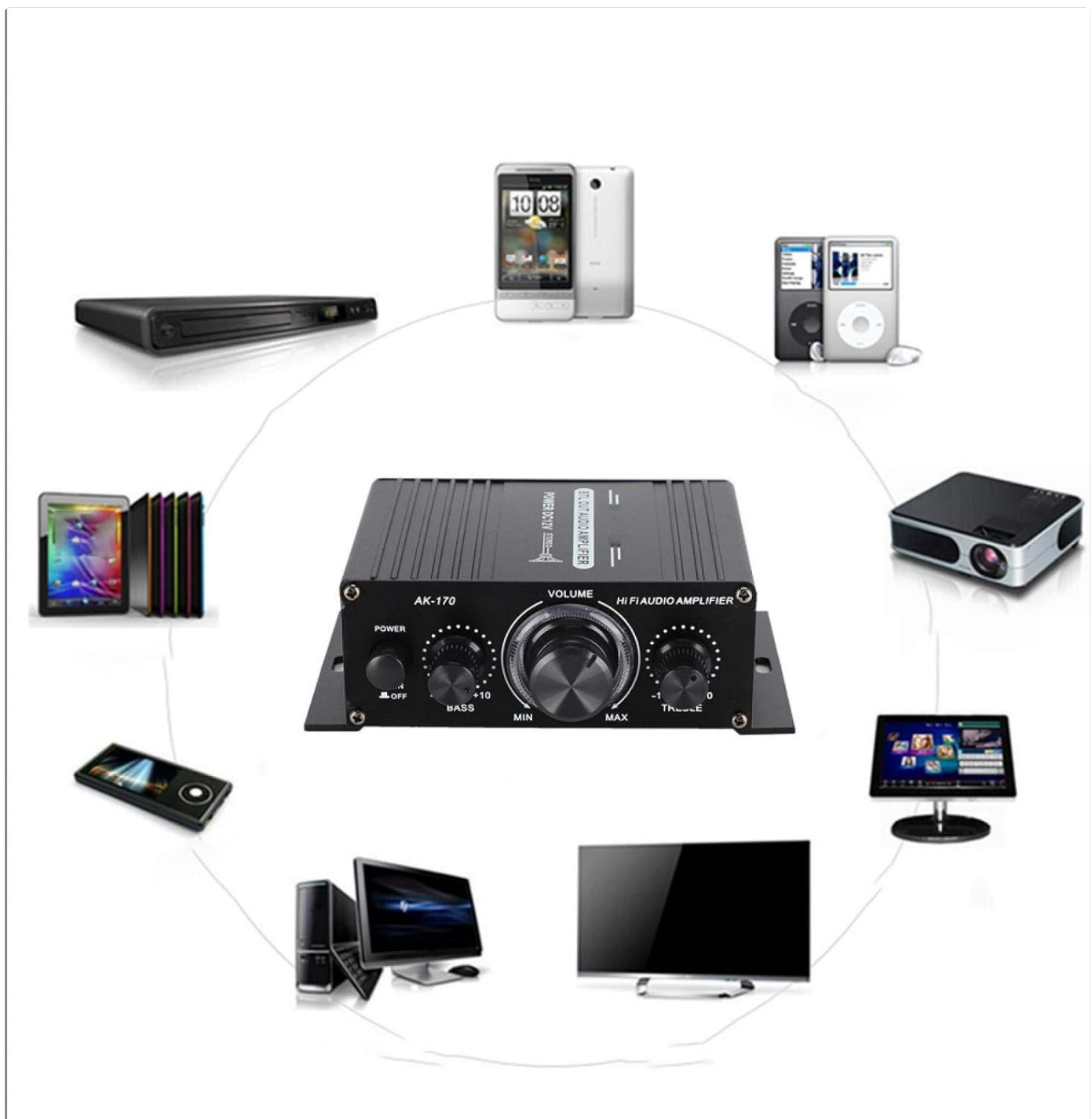


Figure 3: Connectivity Diagram

The amplifier can be connected to a wide range of digital products, including smartphones, tablets, MP3 players, computers, and projectors, to enhance their audio output.

SETUP INSTRUCTIONS

1. **Unpack the Amplifier:** Carefully remove the amplifier and all accessories from the packaging.
2. **Connect Speakers:**
 - Identify the Left (L) and Right (R) channel speaker outputs on the rear panel (Figure 2).
 - Connect your passive speakers to the corresponding terminals. Ensure correct polarity (+ to + and - to -) for optimal sound quality. The amplifier supports speakers with an impedance of 4-16 ohms.
3. **Connect Audio Source:**
 - Use an RCA audio cable (not included) to connect your audio source (e.g., smartphone, tablet, PC, CD player)

to the "Audio Signal Input" RCA jacks on the rear panel (Figure 2).

4. **Connect Power:**

- Obtain a 12V DC power adapter (2A-5A recommended, not included).
- Plug the DC power adapter into the "12V Power Input" jack on the rear panel (Figure 2).
- Plug the power adapter into a suitable wall outlet.

5. **Initial Power On:** Before turning on the amplifier, ensure the volume knob on the front panel is set to minimum (MIN) to prevent sudden loud sounds.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Use the "Power Switch" on the front panel (Figure 1) to turn the amplifier on or off. The LED light circle around the volume knob will illuminate when powered on.
2. **Adjust Volume:** Rotate the large "Volume" knob (Figure 1) clockwise to increase volume and counter-clockwise to decrease it.
3. **Adjust Bass:** Use the "Bass Adjustment" knob (Figure 1) to fine-tune the low-frequency audio output.
4. **Adjust Treble:** Use the "Treble Adjustment" knob (Figure 1) to fine-tune the high-frequency audio output.
5. **FM Radio Function (if applicable):** The amplifier supports automatic FM radio frequency search. To activate this feature, ensure an antenna is connected (if an external antenna port is present, otherwise it uses an internal antenna) and cycle through input modes or press a dedicated button if available (refer to specific model variations if this feature is not automatically active).

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosol sprays, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area. Do not block the ventilation slots on the unit, as this can lead to overheating.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power Disconnection:** Always disconnect the power adapter from the wall outlet before performing any maintenance or if the unit will not be used for a long time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	◦ Power is off. ◦ Volume is too low. ◦ Speakers not connected correctly. ◦ Audio source not connected or playing. ◦ Faulty cables.	◦ Ensure the power switch is ON and the LED is illuminated. ◦ Increase the volume knob. ◦ Check speaker connections and polarity. ◦ Verify audio source is connected and playing. ◦ Try different audio cables.

Problem	Possible Cause	Solution
Distorted sound.	◦ Volume too high. ◦ Incorrect bass/treble settings. ◦ Speaker impedance mismatch. ◦ Poor audio source quality.	◦ Reduce the volume. ◦ Adjust bass and treble knobs. ◦ Ensure speakers are 4-16 ohms. ◦ Test with a different audio source.
Unit gets hot.	◦ Poor ventilation. ◦ Prolonged high volume use.	◦ Ensure adequate airflow around the unit. ◦ Reduce volume or allow the unit to cool down.

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

SPECIFICATIONS

Parameter	Value
Model	AK170
Rated Power	20W + 20W
Rated Frequency	20-20KHz
Signal-to-Noise Ratio	90dB
Resolution	47K
Rated Voltage	12V
Distortion Rate	0.01%
Material	Aluminum Alloy
Product Dimensions (L x W x H)	0.39 x 0.39 x 0.39 inches (approx. 1 x 1 x 1 cm)
Item Weight	7.9 ounces (approx. 224 grams)

WARRANTY AND SUPPORT

This product is manufactured by ASHATA. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact ASHATA customer support directly.

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact your retailer or the manufacturer's customer service department. Please have your product model number (AK170) and purchase details ready when contacting support.

For more information about ASHATA products, you may visit the official ASHATA store:[ASHATA Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question