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## ARRAROWN AK-380

# ARRAROWN AK-380 Bluetooth 5.0 Audio Power Amplifier User Manual

Model: AK-380

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your ARRAROWN AK-380 Bluetooth 5.0 Audio Power Amplifier. Please read this manual thoroughly before using the product to ensure proper function and longevity.



Image 1.1: The ARRAROWN AK-380 amplifier unit, remote control, and FM antenna.

## 2. SAFETY INFORMATION

- Ensure the power adapter (not included) meets the specified voltage and current requirements (DC 12V/5A).
- Do not expose the amplifier to water, moisture, or extreme temperatures.
- Avoid placing the unit in direct sunlight or near heat sources.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure proper ventilation around the unit to prevent overheating.

## 3. PRODUCT FEATURES

- **High-Fidelity Stereo Output:** Delivers 40W+40W rated power and 400W+400W peak power for clear audio.
- **Bluetooth 5.0 Connectivity:** Built-in Bluetooth 5.0 core for stable wireless audio streaming.
- **YD7377 Chip:** Advanced circuitry design for enhanced sound quality.
- **Multiple Audio Inputs:** Supports USB, SD card, AUX, and FM radio.
- **Tone Controls:** Independent bass and treble adjustment knobs.
- **LCD Display:** Backlit display for mode and status indication.
- **Remote Control:** Included for convenient operation.

- **Compact Design:** Small footprint suitable for various environments.



Image 3.1: The AK-380 amplifier connected to a pair of speakers, highlighting its stereo audio capabilities.



Image 3.2: Internal components including the YD7377 chip, heatsink, and transformer, contributing to performance and durability.

## 4. SETUP INSTRUCTIONS

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Follow these steps to connect your AK-380 amplifier:

1. **Connect Speakers:** Connect your passive speakers (4-16Ω, 40W rated power) to the speaker terminals on the rear panel. Ensure correct polarity (red to red, black to black).

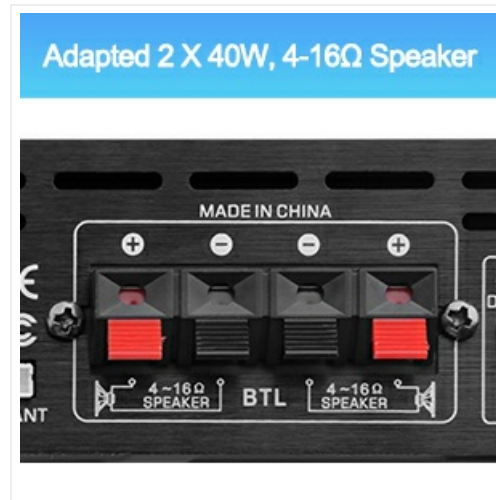
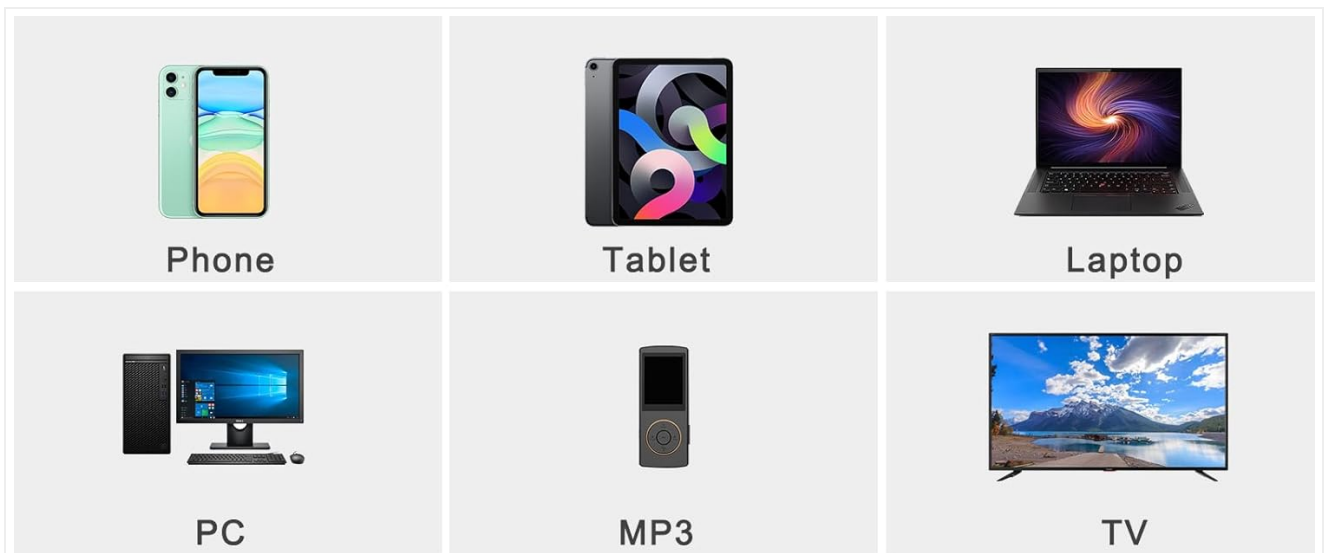


Image 4.1: Speaker wire connection points on the amplifier's rear panel.

### 2. Connect Audio Source (Optional):

- For AUX input, connect your audio device (e.g., MP3 player, TV) to the "AUDIO INPUT" RCA jacks on the rear panel.
- For FM radio, connect the included FM antenna to the "FM.ANT" port.

3. **Connect Power:** Connect a DC 12V/5A power adapter (not included) to the "POWER" input jack on the rear panel.



## Widely Compatible

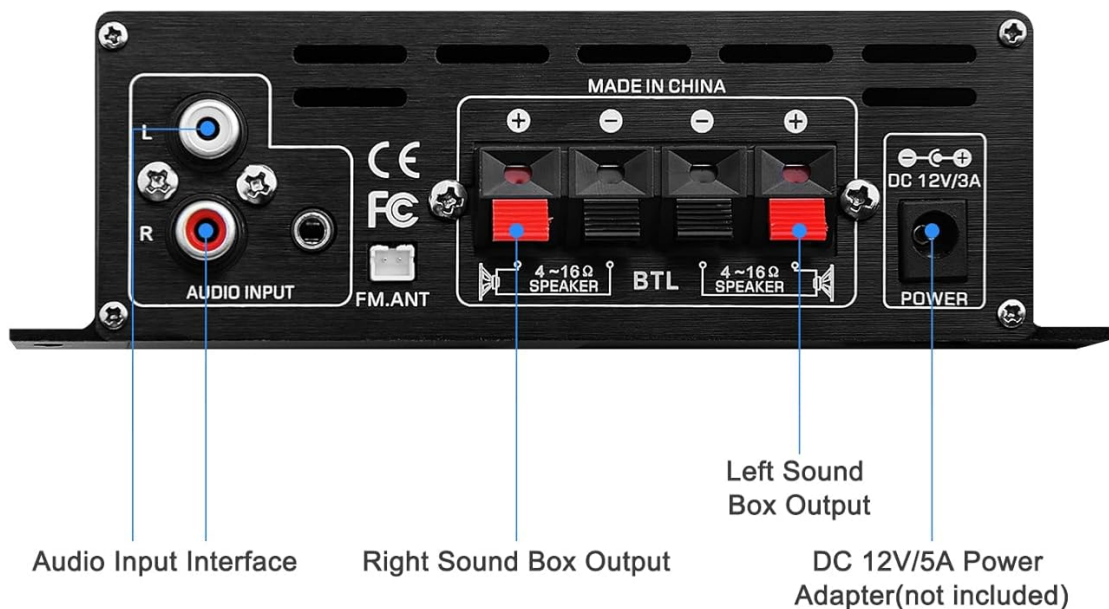


Image 4.2: Rear panel connections for audio input, FM antenna, speaker outputs, and power.

- Power On:** Turn the power switch to the "ON" position. The LCD display will illuminate.

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Video 4.1: A demonstration of connecting speakers and power to the AK-380 amplifier, followed by switching to Bluetooth mode and pairing with a smartphone to play music.

## 5. OPERATING INSTRUCTIONS

### 5.1 Front Panel Controls



Image 5.1: Detailed view of the amplifier's front panel controls and inputs.

- **POWER (ON/OFF):** Main power switch.
- **MODE:** Press to cycle through input modes (Bluetooth, USB/SD, AUX, FM).
- **Previous/Next:** For USB/SD/Bluetooth modes, press to skip tracks.
- **Play/Pause:** For USB/SD/Bluetooth modes, press to play or pause audio.
- **BASS Knob:** Adjusts the low-frequency audio output.
- **TREBLE Knob:** Adjusts the high-frequency audio output.
- **VOLUME Knob:** Controls the overall audio output level.
- **USB/SD Input:** Ports for playing audio from USB drives or SD/MMC cards.



Image 5.2: USB and SD/MMC card input ports for direct media playback.

## 5.2 Remote Control

The included remote control allows for convenient adjustment of settings from a distance.

# Easy To Use

Compatible with 2-way 4Ω-16Ω speakers.  
With remote control for easing to use.



Image 5.3: The amplifier and its remote control, highlighting remote operation.

## 5.3 Bluetooth Mode

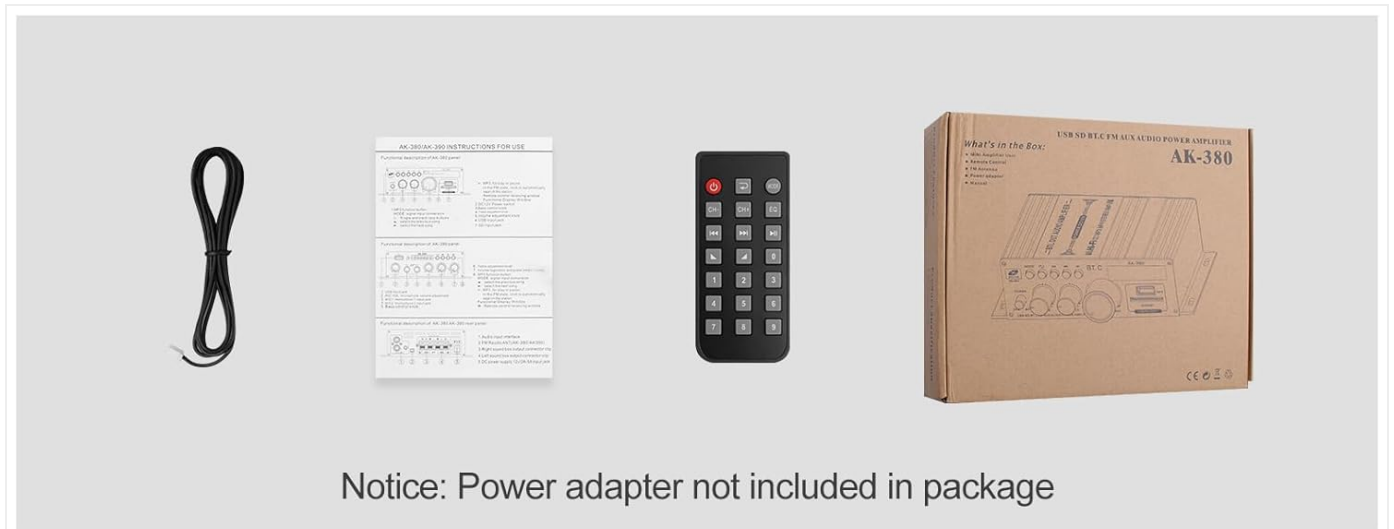
1. Press the "MODE" button until "BT" appears on the LCD display.
2. On your smartphone or other Bluetooth device, enable Bluetooth and search for available devices.
3. Select "BT" from the list to pair. A confirmation sound will indicate successful pairing.
4. You can now stream audio wirelessly from your device to the amplifier.

## 5.4 FM Radio Mode

1. Ensure the FM antenna is connected.
2. Press the "MODE" button until "FM" appears on the LCD display.
3. Use the "Previous/Next" buttons to scan for radio stations. The amplifier can save over 20 stations.

## 6. SPECIFICATIONS

<b>Model Number</b>	AK-380-02
<b>Rated Power</b>	40W + 40W
<b>Peak Power</b>	400W + 400W
<b>Bluetooth Version</b>	5.0
<b>Speaker Impedance</b>	4-16Ω
<b>Audio Inputs</b>	Bluetooth, AUX (RCA), USB, SD/MMC, FM Radio
<b>Power Supply</b>	DC 12V/5A (Adapter not included)
<b>Dimensions</b>	8.2 x 3.4 x 1.7 inches (21 x 8.8 x 4.5 cm)
<b>Item Weight</b>	14.9 ounces



## Mini Size



Image 6.1: Physical dimensions of the AK-380 amplifier.

## 7. MAINTENANCE

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- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Keep ventilation openings clear of dust and debris.
- Store the amplifier in a cool, dry place when not in use for extended periods.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; power switch off.	Ensure power adapter is securely connected and functional. Turn the power switch to "ON".
No sound	Incorrect input mode; volume too low; speaker wires loose or incorrect polarity; faulty audio source.	Select the correct input mode. Increase volume. Check speaker wire connections and polarity. Test with a different audio source.
Bluetooth not pairing	Not in Bluetooth mode; device too far; Bluetooth already connected to another device.	Switch amplifier to Bluetooth mode. Ensure device is within range. Disconnect from other Bluetooth devices.
Distorted sound	Volume too high; incorrect impedance speakers; faulty audio source.	Reduce volume. Ensure speakers are within 4-16Ω impedance range. Test with a different audio source.

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the product packaging or contact ARRAROWN customer service through the retailer where the product was purchased. Keep your purchase receipt for warranty claims.

