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## ARRAROWN AK 380

# AK-380 Audio Power Amplifier User Manual

Model: AK-380 | Brand: ARRAROWN

## 1. INTRODUCTION

The ARRAROWN AK-380 is a compact yet powerful 2.0 channel audio power amplifier designed to deliver high-fidelity sound. Featuring advanced circuitry with a built-in Bluetooth 5.0 core and YD7377 chip, it provides 40W+40W rated power (400W+400W peak power) without audible noise during Bluetooth connection. This amplifier is suitable for various applications, including home audio, car audio, and party setups.

# Home Audio Amplifier

📶 2.0 Channel Bluetooth

🎵 5.0 Enjoy Hifi Sound Quality



Image: The AK-380 amplifier connected to speakers and a TV, illustrating its use as a home audio amplifier with Bluetooth 5.0 for HiFi sound quality.

## 2. SAFETY INFORMATION

- Ensure the power supply voltage matches the amplifier's requirements (DC 12V 5A).
- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing the amplifier in direct sunlight or near heat sources.
- Do not open the amplifier casing; refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure proper ventilation to prevent overheating.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- AK-380 Audio Power Amplifier
- Remote Control
- 12V 5A Power Supply Adapter
- FM Antenna
- User Manual (this document)



Image: The AK-380 amplifier, its remote control, and the included 12V 5A power supply adapter.

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel Controls

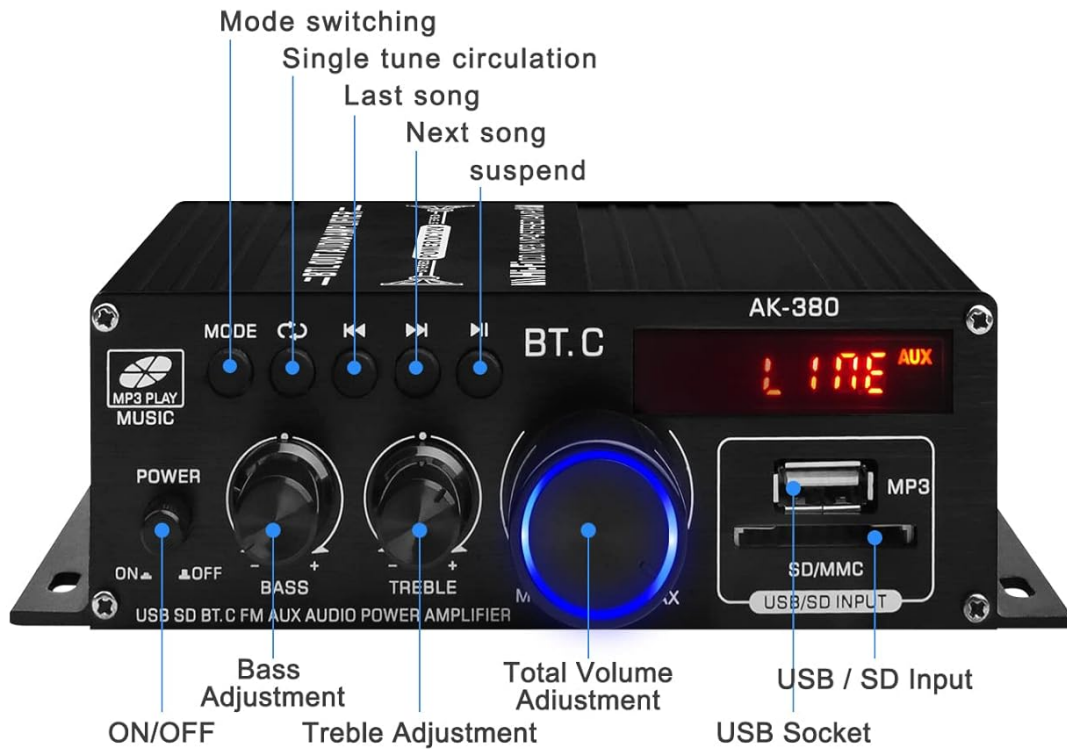


Image: Detailed view of the AK-380 front panel, showing all controls and input ports.

- **POWER ON/OFF:** Toggle switch to turn the unit on or off.
- **MODE:** Button to switch between input modes (Bluetooth, AUX, USB, SD, FM).
- **Previous/Next:** Buttons for track navigation in USB/SD/Bluetooth modes, or station tuning in FM mode.
- **Play/Pause:** Button for media playback control.
- **BASS Adjustment:** Knob to adjust low-frequency output.
- **TREBLE Adjustment:** Knob to adjust high-frequency output.
- **Total Volume Adjustment:** Main knob to control overall volume.
- **USB/SD Input:** Ports for connecting USB flash drives and SD/MMC memory cards.
- **LCD Display:** Backlit display showing current mode and track information.

## 4.2 Rear Panel Connections



Phone



Tablet



Laptop



PC



MP3



TV

## Widely Compatible

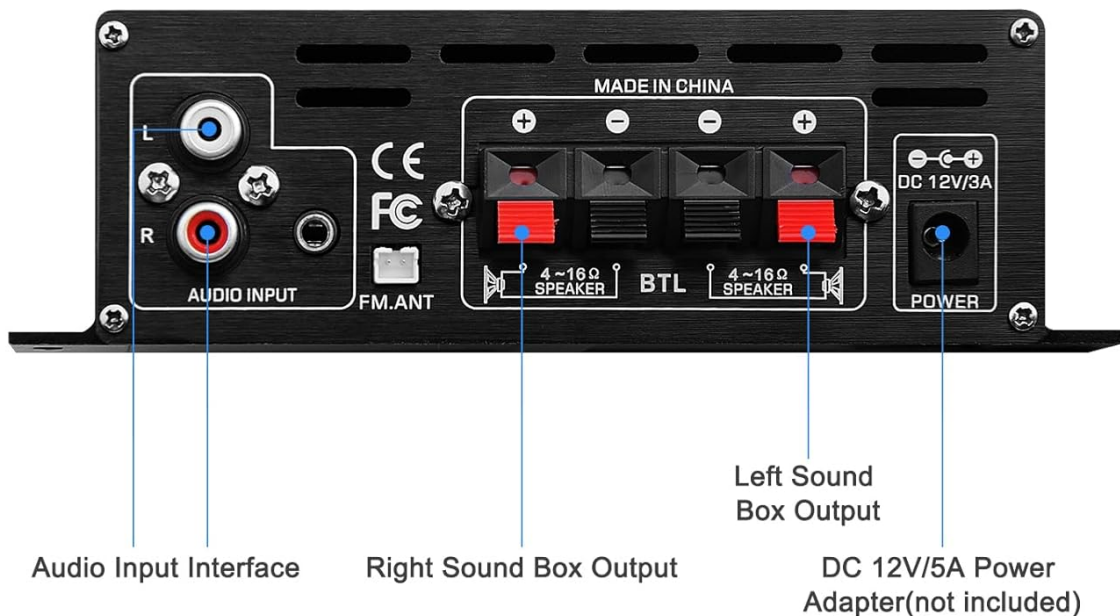


Image: Detailed view of the AK-380 rear panel, showing audio input, FM antenna port, speaker outputs, and power input.

- **AUDIO INPUT (RCA):** Red and white RCA jacks for connecting external audio sources (e.g., CD player, TV, PC).
- **FM.ANT:** Port for connecting the included FM antenna.
- **SPEAKER OUTPUTS:** Red and black terminals for connecting passive speakers (4-16Ω, 40W rated power per channel).
- **DC 12V/5A POWER:** Input jack for the 12V 5A power supply adapter.

## 5. SETUP

### 5.1 Connecting Speakers

1. Ensure the amplifier is turned off.
2. Connect your passive speakers (4-16Ω, 40W rated power) to the SPEAKER OUTPUT terminals on the rear panel. Match the positive (+) and negative (-) terminals correctly for each speaker.



Image: Close-up view of the speaker output terminals, indicating compatibility with 2 x 40W, 4-16 $\Omega$  speakers.

## 5.2 Connecting Audio Sources

- **AUX Input:** Connect your audio device (e.g., TV, PC, MP3 player) to the AUDIO INPUT (RCA) jacks on the rear panel using an RCA cable.
- **USB/SD Input:** Insert a USB flash drive or SD/MMC card into the corresponding slot on the front panel.
- **Bluetooth:** No physical connection needed. Refer to Operating Instructions for pairing.
- **FM Antenna:** Connect the included FM antenna to the FM.ANT port on the rear panel for radio reception.

## 5.3 Power Connection

1. Connect the 12V 5A power supply adapter to the DC 12V/5A POWER input jack on the rear panel.
2. Plug the power adapter into a suitable wall outlet.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Basic Operation

1. Turn on the amplifier using the POWER ON/OFF switch.
2. Adjust the Total Volume knob to a low level before playing audio.
3. Use the MODE button to select your desired input source (Bluetooth, AUX, USB, SD, FM).
4. Adjust BASS and TREBLE knobs to fine-tune the sound.

### 6.2 Bluetooth Mode

1. Press the MODE button until "BT.C" or "Bluetooth" appears on the LCD display.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "AK-380" from the list to pair. A confirmation sound may be heard.
4. Once paired, you can play audio from your device through the amplifier.
5. Use the Play/Pause and Previous/Next buttons on the amplifier or remote to control playback.

### 6.3 USB/SD Card Playback

1. Insert a USB flash drive or SD/MMC card containing MP3 audio files into the respective slot.
2. The amplifier should automatically switch to USB/SD mode and begin playback. If not, press the MODE button.

3. Use the Play/Pause and Previous/Next buttons to control playback.



Image: Close-up view of the USB and SD/MMC input slots on the front panel, demonstrating media card insertion.

## 6.4 FM Radio Mode

1. Ensure the FM antenna is connected.
2. Press the MODE button until "FM" appears on the LCD display.
3. Press and hold the Play/Pause button to initiate an automatic scan for FM stations. The amplifier will store found stations.
4. Use the Previous/Next buttons to navigate through stored stations.

## 6.5 Using the Remote Control

The included remote control allows for convenient operation from a distance. Functions include power on/off, mode selection, volume adjustment, track/station navigation, and play/pause.

# Easy To Use

With remote control and DC 12V 5.0A power adapter for easing to use.  
Compatible with 2-way 4Ω-16Ω speakers.



Image: A user operating the AK-380 amplifier with its remote control while connected to a television and speakers.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected; Power switch off; Outlet issue.	Check power connections; Ensure power switch is ON; Test outlet with another device.
No sound output	Incorrect input mode; Volume too low; Speaker connections loose; Faulty audio source.	Select correct input mode; Increase volume; Check speaker wiring; Test with another audio source.
Bluetooth not pairing	Amplifier not in Bluetooth mode; Device too far; Bluetooth already connected to another device.	Ensure amplifier is in BT mode; Move device closer; Disconnect from other devices and try again.
USB/SD card not playing	Unsupported file format; Card/drive not inserted correctly; Corrupt files.	Ensure files are MP3 format; Reinsert card/drive; Try another card/drive.
Poor FM reception	Antenna not connected; Weak signal.	Connect FM antenna; Adjust antenna position for better reception.

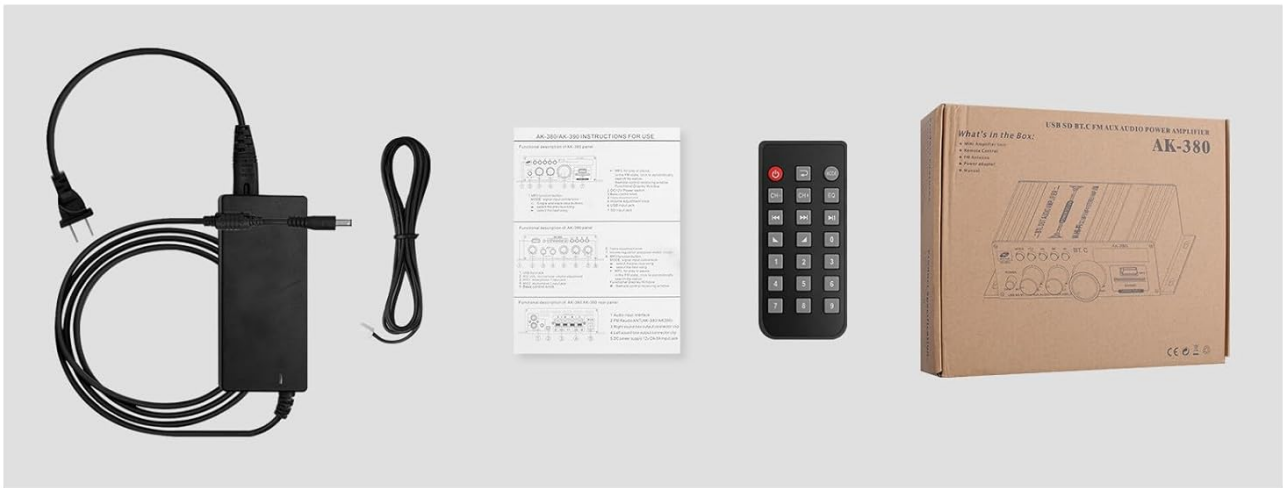
## 8. SPECIFICATIONS



Image: The AK-380 amplifier with a graphical overlay highlighting its key technical specifications.

- **Model:** AK-380
- **Signal to Noise Ratio:** >75dB
- **Bluetooth Version:** 5.0
- **Wireless Range:** Up to 40+ ft.
- **Audio Input:** Bluetooth, AUX (RCA), USB, SD/MMC, FM

- **Adapted Speaker Impedance:** 4-16Ω
- **Rated Power:** 40W + 40W (RMS)
- **Peak Power:** 400W + 400W
- **Power Supply:** DC 12V 5A
- **Dimensions (L x W x H):** Approximately 8.2 x 3.4 x 1.7 inches (21 x 8.8 x 4.5 cm)
- **Weight:** Approximately 1.72 Pounds (0.78 kg)
- **Chipset:** YD7377



## Mini Size



Image: The AK-380 amplifier with its mini size dimensions clearly indicated.

## 9. MAINTENANCE

- 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.

- Avoid dropping or subjecting the unit to strong impacts.

## 10. WARRANTY AND SUPPORT

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Specific warranty details for the ARRAROWN AK-380 amplifier are typically provided with the product packaging or can be found on the manufacturer's official website. Please refer to these resources for information regarding warranty coverage, duration, and how to obtain support.

For technical assistance or customer service inquiries, please contact ARRAROWN customer support through their official channels.