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## WOOPKER AK45Pro

# WOOPKER AK45Pro Stereo Receiver Amplifier User Manual

Model: AK45Pro

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your WOOPKER AK45Pro Stereo Receiver Amplifier. Please read this manual thoroughly before using the product to ensure proper function and to maximize your audio experience. Keep this manual for future reference.

## 2. PRODUCT FEATURES

- **Upgraded Power Output:** Features 100W power rating, suitable for multi-speaker setups with 4-16 ohm impedance.
- **Multiple Input Modes:** Supports Bluetooth 5.3, RCA, USB, SD card, and FM radio for versatile audio source connectivity.
- **Bluetooth 5.3 Connectivity:** Ensures stable wireless connection within a 30-foot (10-meter) range for streaming from mobile devices, computers, and laptops.
- **EQ Controls:** Independent knobs for microphone volume, bass, treble, and master volume allow for precise audio customization.
- **Remote Control:** Includes a remote for convenient operation from a distance.
- **Wide Application:** Compatible with various devices including mobile phones, computers, tablets, notebooks, TVs, and projectors with AV audio output. Ideal for home TV audio, computer audio systems, and tower or garden speakers.
- **Dual Microphone Inputs:** Equipped with two microphone inputs for karaoke or public address applications.

## 3. WHAT'S IN THE BOX

Verify that all items are present in the package:

# SPEAKER CONNECTION

Follow these steps if you are inserting the speaker bare wires into the speaker output terminal.

1. Before connecting the speakers, please distinguish the positive and negative terminals of the speakers, the positive terminal is usually red and the negative terminal is black.
2. Press the clasp on the back of the AK45 pro amplifier and insert all bare wires into the speaker clasp corresponding to the positive and negative terminals.
3. Avoid plugging and unplugging USB drives, SD cards, RCA audio cables or speaker cables while the amplifier is turned on.



Image: Diagram showing the AK45Pro Audio Amplifier, AC Power Cord, Remote Controller, and User Manual.

- 1x WOOPKER AK45Pro Audio Amplifier
- 1x AC Power Cable
- 1x User Manual (this document)
- 1x Remote Control

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel Controls

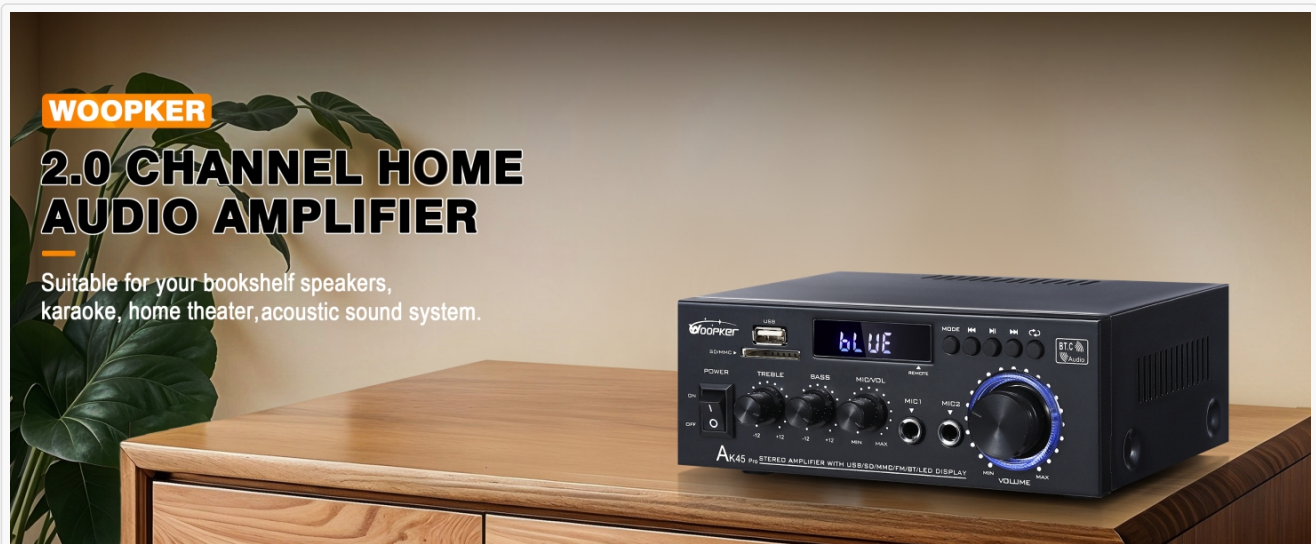


Image: Detailed view of the AK45Pro front panel with numbered components.

1. **Power Switch:** Toggles the amplifier on/off.
2. **USB/SD Port:** For connecting USB drives or SD cards for media playback.
3. **LED Display:** Shows current mode, track information, or FM frequency.
4. **Mode Button:** Cycles through input modes (Bluetooth, USB, SD, FM, RCA).
5. **Previous Button:** Skips to the previous track or FM station.
6. **Play/Pause Button:** Plays or pauses media playback.
7. **Next Button:** Skips to the next track or FM station.

8. **Cycle Button:** Repeats current track or playlist.
9. **Treble Knob:** Adjusts high-frequency audio levels.
10. **Bass Knob:** Adjusts low-frequency audio levels.
11. **Mic Volume Knob:** Controls the volume of connected microphones.
12. **Mic Input Jacks (MIC1, MIC2):** 6.35mm jacks for connecting microphones.
13. **Master Volume Knob:** Controls the overall output volume.

## 4.2 Back Panel Connections



Image: Detailed view of the AK45Pro back panel with numbered connection ports.

1. **Audio Input Jack (RCA):** For connecting external audio sources via RCA cables.
2. **FM Antenna Jack:** For connecting the FM antenna to receive radio signals.
3. **Speaker Output Jacks:** Terminals for connecting passive speakers (4-16 ohms impedance).
4. **DC 12V/5A Power Input:** Alternative power input for 12V DC power sources.
5. **AC 240V Power Input:** Main power input for AC power cable (50-60Hz).

## 5. SETUP INSTRUCTIONS

### 5.1 Speaker Connection

Follow these steps to connect your passive speakers to the amplifier:



Image: Speaker connection diagram showing positive and negative terminals.

1. Before connecting, identify the positive and negative terminals of your speakers. The positive terminal is typically red, and the negative terminal is black.
2. Press the clasp on the back of the AK45Pro amplifier's speaker output terminals and insert the bare speaker wires. Ensure positive speaker wires connect to positive terminals and negative speaker wires connect to negative terminals. Release the clasp to secure the wires.
3. **Caution:** Avoid plugging or unplugging USB drives, SD cards, RCA audio cables, or speaker cables while the amplifier is powered on to prevent damage.

## 5.2 Power Connection

1. Ensure the amplifier's power switch is in the OFF position.
2. Connect the provided AC power cable to the AC 240V Power Input on the back panel of the amplifier.
3. Plug the other end of the AC power cable into a standard wall outlet.
4. Alternatively, for DC power, connect a compatible 12V/5A DC power adapter (not included) to the DC 12V/5A Power Input.

## 5.3 Audio Input Connections

- **RCA Input:** Connect your audio source (e.g., CD player, DVD player, TV) to the Audio Input Jack (RCA) on the back panel using RCA cables.
- **USB/SD Input:** Insert a USB drive or SD card into the respective port on the front panel. The amplifier will automatically switch to USB/SD mode or you can select it using the Mode button.
- **FM Antenna:** Connect the FM antenna to the FM Antenna Jack on the back panel for improved radio reception.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off

Flip the Power Switch on the front panel to the 'ON' position to power on the amplifier. The LED display will illuminate. Flip it to 'OFF' to power down.

### 6.2 Mode Selection

# MULTIPLE INPUT MODES



USB



FM



BLUETOOTH



MIC



RCA



CD/DVD



Image: The amplifier's front panel highlighting various input modes.

Press the **Mode Button** on the front panel or the remote control to cycle through available input sources: Bluetooth, USB, SD, FM, and RCA.

## 6.3 Bluetooth Pairing



Image: A smartphone displaying Bluetooth pairing options, with the amplifier in the background.

1. Switch the amplifier to **Bluetooth mode** using the Mode button. The LED display will show "BLUE" and flash, indicating it's ready for pairing.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), enable Bluetooth and search for available devices.
3. Select "AK45Pro" from the list of devices. Once connected, the "BLUE" indicator on the amplifier's display will stop flashing.

## 6.4 USB/SD Playback



Image: Close-up of the USB and SD card slots on the amplifier's front panel.

Insert a USB flash drive or SD card containing audio files into the corresponding port. The amplifier will automatically detect the media and begin playback. Use the Previous, Play/Pause, and Next buttons to control playback.

## 6.5 FM Radio Operation

Switch the amplifier to **FM mode**. Use the Previous and Next buttons to scan for radio stations. The LED display will show the current frequency.

## 6.6 Microphone Usage

# SUPPORT 2 MICROPHONES

Start Your home Party Anytime



Image: The amplifier with two microphones connected, indicating its karaoke capability.

Connect up to two microphones to the MIC1 and MIC2 input jacks on the front panel. Adjust the microphone volume using the **Mic Volume Knob**.

## 6.7 Audio Adjustments

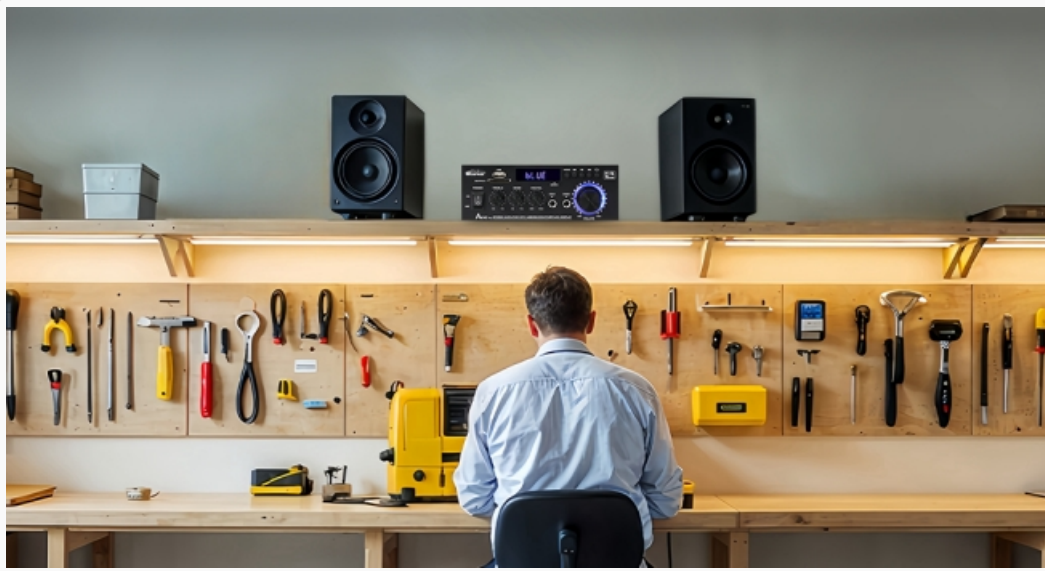


Image: Close-up of the Treble and Bass adjustment knobs.

- **Master Volume:** Rotate the large **Master Volume Knob** to increase or decrease the overall sound output.
- **Treble:** Use the **Treble Knob** to adjust the high-frequency response of the audio.
- **Bass:** Use the **Bass Knob** to adjust the low-frequency response of the audio.

## 6.8 Remote Control



Image: The amplifier and its remote control.

The included remote control allows you to manage power, mode selection, volume, track skipping, and other functions from a distance. Ensure the remote has working batteries and is pointed towards the amplifier's front panel.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or solvents, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation openings on the top or sides of the unit.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.

- **Power Off:** Always power off and unplug the amplifier before performing any cleaning or maintenance.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Outlet malfunction.	Ensure power cable is securely connected. Turn power switch ON. Test outlet with another device.
No sound output	Incorrect input mode; Speaker wires loose/incorrectly connected; Volume too low; Mute activated.	Select correct input mode. Check speaker wire connections (positive to positive, negative to negative). Increase Master Volume. Check if remote mute is active.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device too far; Device already connected to another amplifier; Interference.	Ensure amplifier is in Bluetooth mode (display shows "BLUE" flashing). Move device closer to amplifier. Disconnect from other Bluetooth devices. Reduce interference from other wireless devices.
USB/SD playback issues	Unsupported file format; Corrupted media; Incorrect mode.	Ensure audio files are in a supported format (e.g., MP3). Try a different USB drive or SD card. Select USB/SD mode.
Poor FM reception	Antenna not connected or poorly positioned; Weak signal.	Connect the FM antenna. Adjust antenna position for better reception.
Sound distortion	Volume too high; Speaker impedance mismatch; Loose speaker wires.	Reduce Master Volume. Ensure speakers are 4-16 ohms. Check speaker wire connections for shorts or loose contacts.
Remote control not working	Batteries dead or incorrectly inserted; Obstruction between remote and amplifier.	Replace batteries, ensuring correct polarity. Remove any obstructions. Point remote directly at the amplifier's front panel.

## 9. SPECIFICATIONS

Feature	Specification
Model	AK45Pro
Brand	WOOPKER
Power Output	100W (rated)
Speaker Impedance	4-16 ohms
Bluetooth Version	5.3
Bluetooth Range	Up to 30 feet (10 meters)
Input Interfaces	Bluetooth, RCA, USB, SD, FM

Feature	Specification
Microphone Inputs	2 (6.35mm jacks)
Power Input	AC 240V (50-60Hz), DC 12V/5A
Package Dimensions	8.5 x 8.23 x 3.7 inches
Item Weight	1.98 pounds
Date First Available	August 8, 2024

## 10. WARRANTY AND SUPPORT

WOOPKER products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or contact WOOPKER customer support.

If you encounter any issues or have questions not covered in this manual, please contact WOOPKER customer support through the retailer where you purchased the product or visit the official WOOPKER website for assistance.

**Manufacturer:** WOOPKER