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› WOOPKER AK55 Stereo Amplifier User Manual

## WOOPKER AK55

# WOOPKER AK55 Stereo Amplifier User Manual

MODEL: AK55

### Introduction

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The WOOPKER AK55 Home Audio Stereo Amplifier is designed to enhance your audio experience with powerful sound output and versatile connectivity options. Featuring Bluetooth 5.0, multiple input ports, and microphone capabilities, this amplifier is ideal for home entertainment, karaoke, and various audio setups. Its compact design allows for easy integration into any space.



The AK55 Stereo Amplifier, shown with its remote control, offers a compact solution for home audio needs.

## Package Contents

Upon opening the package, ensure all the following items are present:

- AK55 Power Amplifier x 1
- Infrared Remote Control x 1
- AC Power Cord x 1
- FM Antenna Line x 1
- User Manual x 1
- Quick Start Guide x 1



User's Manual



Power Cable



Remote Control



FM Antenna

All items included in the AK55 amplifier package.

## Product Features

- **Upgraded Power:** Enhanced chip for 70W x2 output, supporting higher power devices.
- **Powerful Sound & Compact Size:** Delivers robust audio for 4-16 ohm speakers, ideal for various room sizes.
- **Multiple Input & Multipurpose:** Bluetooth, AUX, MIC, USB inputs for diverse audio sources like CD, DVD, TV, PC, phones, MP3 players.
- **Bluetooth 5.0 & Remote Control:** Easy wireless connection and convenient remote operation.
- **MIC & USB Card Input:** Two microphone jacks for karaoke and USB stick input for direct playback.
- **Bass & Treble Control:** Fine-tune sound effects with dedicated knobs for microphone volume, bass, treble, and master volume.

2-Channel Wireless

Bluetooth 5.0 Power Amplifier



Seamless wireless audio streaming with Bluetooth 5.0.

# Enjoy High Quality Music



Experience high-quality audio for all your music.

**START YOUR  
HOME PARTY ANYTIME**



Dual microphone inputs for karaoke and public speaking.

## Setup

### Front Panel Overview

Familiarize yourself with the controls and indicators on the front panel:



Speakers



PC/TV



Smartphone



CD

Detailed view of the AK55 amplifier's front panel controls.

- **POWER Switch:** Turns the unit on or off.
- **BASS/TREBLE Knobs:** Adjust low and high frequencies.
- **AUX Input:** 3.5mm jack for external audio devices.
- **USB Port:** For playing MP3 files from a USB stick.
- **VOLUME Knob:** Master volume control.
- **MIC1/MIC2 Inputs:** 6.35mm jacks for microphones.
- **MIC VOL Knob:** Adjusts microphone volume.
- **ECHO/DELAY Knobs:** Control microphone echo and delay effects.
- **FM Radio Button:** Activates FM radio mode.
- **Digital Display:** Shows current mode, frequency, or track information.

## Rear Panel Connections

Connect your speakers and audio sources to the rear panel:



Rear panel connections for the AK55 amplifier.

- **AUDIO INPUT (AUX1/AUX2):** RCA jacks for connecting external audio devices like CD/DVD players, TVs, or PCs.
- **SPEAKER SYSTEM (4Ω-16Ω):** Connect your passive speakers here. Ensure correct polarity (red for positive, black for negative).
- **FM ANT:** Connect the included FM antenna for radio reception.
- **OPT/COAX INPUT:** Digital audio inputs for compatible devices.
- **POWER DC INPUT (12V/5A):** For DC power supply (if applicable).
- **AC POWER INPUT (110-240V):** Connect the AC power cord to this port.

### Speaker Connection Guide

1. Before connecting speakers, distinguish positive (red) and negative (black) terminals.
2. Press the clasp on the back of the AK55 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.

## Visual Setup Guide

Your browser does not support the video tag.

This video provides a visual guide to setting up the AK55 Amplifier, including unboxing and connecting various components.

## Operating Instructions

### Power On/Off

Flip the **POWER** switch on the front panel to turn the amplifier on or off. The digital display will illuminate when powered on.

### Mode Selection

Press the **MODE** button on the front panel or remote control to cycle through available input modes: Bluetooth, AUX1, AUX2, USB, OPT/COAX, and FM Radio. The digital display will indicate the current mode.

### Volume and Tone Control

- **Master Volume:** Rotate the large **VOLUME** knob to adjust the overall output volume.
- **Bass/Treble:** Use the **BASS** and **TREBLE** knobs to fine-tune the low and high frequencies of your audio.

### Microphone Usage (Karaoke/Speaking)

- Connect up to two microphones to the **MIC1** and **MIC2** input jacks.
- Adjust the microphone volume using the **MIC VOL** knob.
- Apply echo and delay effects to the microphone audio using the **ECHO** and **DELAY** knobs for enhanced vocal performance.

### FM Radio Operation

- Switch to FM Radio mode using the **MODE** button.
- Use the **SCAN** button to automatically search and save available FM stations.
- Use the **VOL+/-** buttons to manually tune to specific frequencies or navigate through saved stations.

### USB Playback

Insert a USB stick containing MP3 audio files into the **USB** port. The amplifier will automatically detect and begin playing the files. Use the **VOL+/-** and **SCAN** (for track skip) buttons to control playback.

## Maintenance

- Keep the amplifier in a well-ventilated area to prevent overheating.
- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Avoid exposing the amplifier to direct sunlight, high temperatures, humidity, or dust.
- Do not block ventilation openings.

## Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off.	Ensure power cord is securely plugged in; Turn power switch ON.
No sound output	Volume too low; Incorrect input mode; Speakers not connected properly.	Increase volume; Select correct input mode; Check speaker connections and polarity.
Bluetooth not connecting	Device not in pairing mode; Amplifier too far from device.	Ensure Bluetooth mode is selected on amplifier and device; Move devices closer.
Poor FM reception	FM antenna not connected or positioned incorrectly.	Connect FM antenna securely; Adjust antenna position for better signal.

## Specifications

Feature	Detail
Model Number	AK55
Power Output	70W x 2 (Rated)
Speaker Impedance	4-16 ohms
Bluetooth Version	5.0
Inputs	Bluetooth, AUX (RCA), USB, MIC (x2), Optical, Coaxial
Dimensions (L x W x H)	19.9cm x 18.8cm x 6.9cm (approx. 7.83 x 7.4 x 2.72 inches)
Item Weight	2.27 pounds
Manufacturer	Jieyang Rongcheng District Baitong Electronics Factory
Country of Origin	China
Date First Available	October 27, 2023

## Warranty and Support

WOOPKER is committed to providing high-quality products and customer satisfaction. For any inquiries or support needs, please refer to the following:

- **Quick Response:** Expect a response within 24 hours for your queries.
- **Return Policy:** Return within 30 days for an exchange or refund.
- **Technical Support:** Lifetime technical customer support is provided.
- For detailed warranty information and to contact support, please refer to the official WOOPKER website or the contact information provided in your product packaging.