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› WOOPKER AK45 Pro Stereo Audio Amplifier User Manual

WOOPKER AK45Pro

WOOPKER AK45 Pro Stereo Audio Amplifier User Manual

Comprehensive guide for setup, operation, and maintenance of your AK45 Pro amplifier.

1. INTRODUCTION

Thank you for choosing the WOOPKER AK45 Pro Stereo Audio Amplifier. This compact and powerful amplifier is designed to deliver clear and clean sound, perfect for various home audio setups, including home cinema, karaoke, and general music listening. Please read this manual carefully before using the product to ensure proper operation and to maximize its performance.

1.1 Package Contents

Please check the box for the following items:

- WOOPKER AK45 Pro Mini Audio Amplifier x 1
- Remote Control x 1 (AAA batteries not included)
- Power Cable x 1
- User's Manual x 1

Packing List

Weight: 880g



Mini Audio Amplifier x 1



User's Manual x 1



Power Cable x 1



Remote Control x 1

Image: The packing list for the WOOPKER AK45 Pro amplifier, showing the amplifier unit, remote control, power cable, and user manual.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, fire, or damage to the unit, please follow these basic safety precautions:

- Do not expose this appliance to rain or moisture.
- Do not place objects filled with liquids, such as vases, on the appliance.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the appliance.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this appliance during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any

way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the appliance, the appliance has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. PRODUCT OVERVIEW

3.1 Product Features

- **Powerful Sound and Compact Size:** This home audio amplifier delivers a maximum power of 400W + 400W and a rated RMS power of 50W x 2. Its compact design easily fits your bookshelf or desk. It produces a smooth, clear, and clean sound with excellent sound quality. Ideal for small apartments, bedrooms, small offices, basements, and garages.
- **Multiple Input Modes:** The mini home stereo audio amplifier supports various external signal sources: connection to music streaming devices such as computers/mobile phones/laptops via Bluetooth, RCA, and microphone inputs. The amplifier also supports microphone, USB port, and SD card.
- **Bass and Treble Control:** The 2.0 channel home stereo amplifier features microphone volume, bass, treble, and master volume control knobs for fine-tuning sound effects, making it fun and playable. The included remote control allows you to enjoy different music and sounds from your couch.
- **Microphone and USB/SD Card Input:** The audio amplifier for speakers supports USB stick or SD card input, Plug and Play. Equipped with 2 microphone input jacks, you can use a microphone to sing with friends and family at parties.
- **Wide Application:** The AK45 Pro power amplifier is compatible with mobile phones, computers, tablets, laptops, MP3 players, projectors with AV audio, etc. Recommended for home TV audio, computer audio systems, tower speakers, garden speakers. Its small, compact, and simple design also makes it suitable for car audio systems.

3.2 Front Panel Controls and Indicators

INTERFACE AND FUNCTION



Image: Detailed diagram of the AK45 Pro amplifier's front and rear panels, highlighting various controls, inputs, and outputs.

- **Power ON/OFF Switch:** Toggles the amplifier's power.
- **USB Slot:** For connecting USB flash drives for audio playback.
- **SD Card Slot:** For inserting SD cards for audio playback.
- **Treble Control:** Adjusts the high-frequency sound level.
- **Bass Control:** Adjusts the low-frequency sound level.
- **Microphone Volume Control (MIC/VOL):** Adjusts the volume of connected microphones.
- **Microphone Jacks (MIC1, MIC2):** Connect microphones for karaoke or voice input.
- **Mode Button:** Cycles through input modes (Bluetooth, RCA, USB, SD, FM).
- **Play/Pause Button:** Controls playback for USB/SD media.
- **Last/Next Buttons:** Navigates tracks for USB/SD media.
- **Single Cycle Button:** Repeats the current track.
- **Master Volume Control:** Adjusts the overall output volume.
- **LED Display:** Shows current input mode and other information.

3.3 Rear Panel Connections

- **FM ANT:** Connection for FM radio antenna.
- **RCA Input (AUDIO INPUT L/R):** Connect external audio sources like CD/DVD players, TVs, or other devices using RCA cables.
- **Speakers Output (L/R):** Connect passive speakers. Ensure correct polarity (+ to + and - to -).
- **DC 12V/5A Input:** Power input for the amplifier.
- **AC Power Input (AC 110V/220V):** Main power connection.

4. SETUP

4.1 Connecting Speakers

Connect your passive speakers to the "SPEAKERS OUTPUT" terminals on the rear panel. Ensure that the positive (+) terminal of the amplifier connects to the positive (+) terminal of the speaker, and the negative (-) terminal of the amplifier connects to the negative (-) terminal of the speaker. Incorrect polarity can result in poor sound quality.

4.2 Connecting Audio Sources

The AK45 Pro supports multiple audio input methods:

SUPPORT MULTIPLE DEVICES



FM



CD/DVD



RCA



Bluetooth



USB



SD



Laptop/Tablet



Smartphone



Speakers



2xMicrophone

Image: The AK45 Pro amplifier connected to various devices, illustrating its support for FM radio, CD/DVD players, RCA, Bluetooth, USB, and SD card inputs.

- **RCA Input:** Use an RCA cable to connect your external audio device (e.g., TV, CD player, DVD player) to the "AUDIO INPUT" (L/R) jacks on the rear panel.
- **USB/SD Card:** Insert a USB flash drive or SD card into the respective slots on the front panel. The amplifier will automatically detect and play audio files.
- **Bluetooth:** For wireless audio streaming from your smartphone, tablet, or laptop. See Section 5.4 for detailed Bluetooth pairing instructions.

4.3 Power Connection

Connect the provided power cable to the "AC POWER INPUT" on the rear panel of the amplifier and then plug it into a standard wall outlet. Alternatively, for 12V DC power, connect a compatible 12V/5A DC power supply to the "DC 12V/5A Input" jack.

5. OPERATION

5.1 Powering On/Off

Flip the "POWER" switch on the front panel to the "ON" position to turn on the amplifier. The LED display will light up. Flip it to "OFF" to power down the unit.

5.2 Selecting Input Mode

Press the "MODE" button on the front panel or the remote control to cycle through the available input sources: Bluetooth, RCA (Line In), USB, SD, and FM radio.

5.3 Adjusting Volume and Tone

- **Master Volume:** Rotate the large "VOLUME" knob on the front panel to adjust the overall sound level.
- **Treble/Bass:** Use the "TREBLE" and "BASS" knobs to fine-tune the high and low frequencies of the audio output according to your preference.
- **Microphone Volume:** Adjust the "MIC/VOL" knob to control the volume of the connected microphones.

5.4 Using Bluetooth

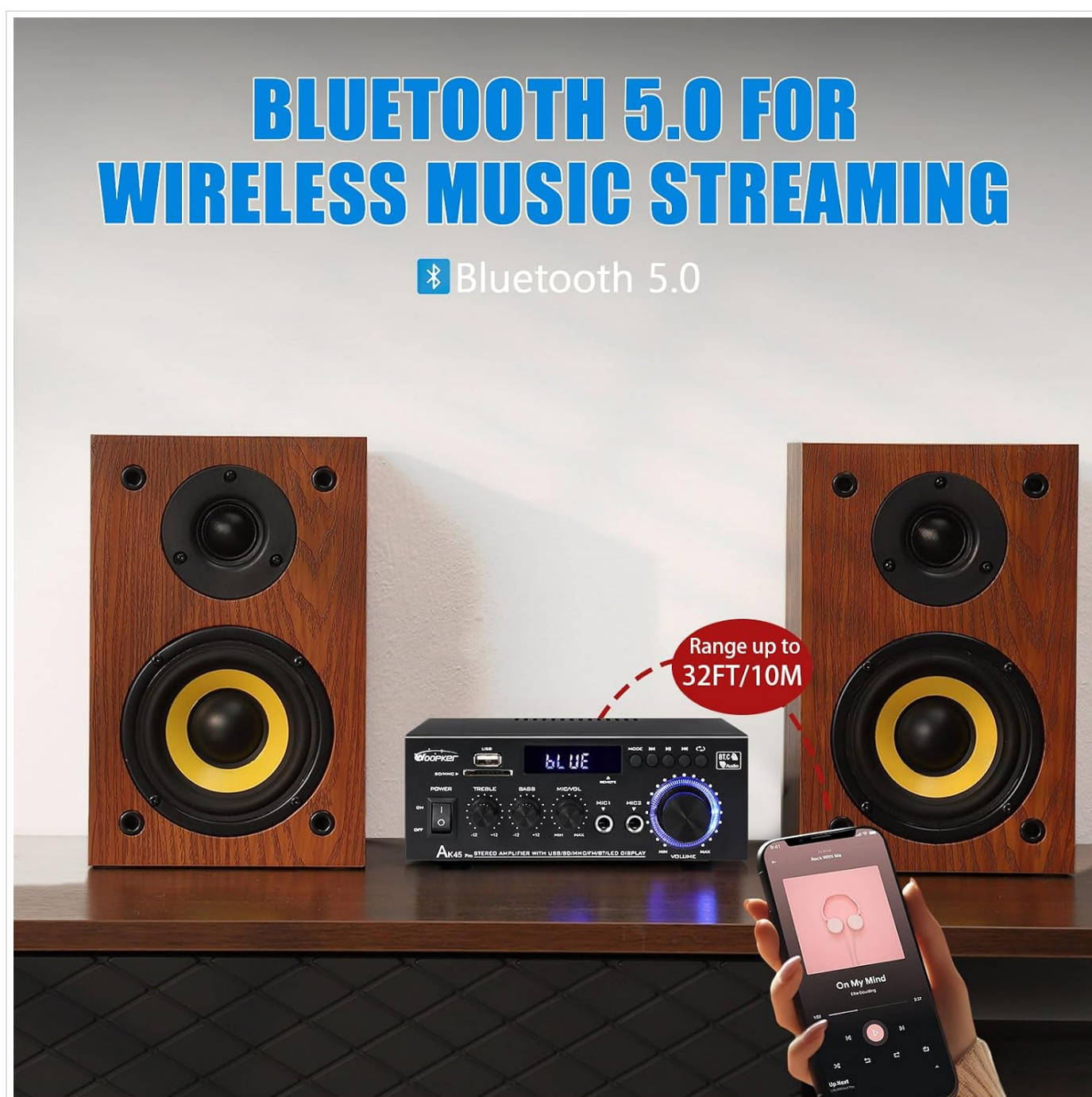


Image: The AK45 Pro amplifier wirelessly streaming music via Bluetooth 5.0, showing a smartphone connected to the amplifier with speakers.

1. Turn on the amplifier and press the "MODE" button until "BLUE" appears on the LED display, indicating Bluetooth mode.
2. Enable Bluetooth on your mobile device (smartphone, tablet, laptop).
3. Search for "AK45 Pro" in the list of available Bluetooth devices and select it to pair.
4. Once successfully paired, you will hear a confirmation sound, and you can now stream audio wirelessly to the amplifier.

5.5 Using USB/SD Card

Insert a USB flash drive or SD card containing audio files (e.g., MP3, WAV) into the corresponding slot on the front panel. The amplifier will automatically switch to USB/SD mode and begin playback. Use the "Play/Pause", "Last", "Next", and "Single Cycle" buttons to control playback.

5.6 Microphone Usage (Karaoke)



Image: Two individuals using microphones connected to the AK45 Pro amplifier, enjoying a karaoke session with a speaker in the foreground.

The AK45 Pro amplifier is equipped with two microphone input jacks (MIC1, MIC2) for karaoke or public address. Connect your microphones to these jacks and adjust the "MIC/VOL" knob to control the microphone volume. Ensure the main volume is set appropriately to avoid feedback.

5.7 Remote Control



Image: A hand holding the remote control for the AK45 Pro amplifier, demonstrating its ease of use for adjusting volume and input modes from a distance.

The included remote control allows you to conveniently operate the amplifier from a distance. It can be used to power on/off, select input modes, adjust volume, and control media playback (USB/SD). Remember to insert AAA batteries (not included) into the remote control before use.

6. CARE AND MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosol cleaners.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation openings.

- **Storage:** If not in use for an extended period, unplug the amplifier and store it in a cool, dry place.
- **Avoid Extreme Conditions:** Do not expose the unit to extreme temperatures, humidity, or direct sunlight.

7. TROUBLESHOOTING GUIDE

If you encounter any issues with your AK45 Pro amplifier, please refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Power outlet faulty.	Ensure power cable is securely connected. Flip power switch to ON. Try a different power outlet.
No sound output	Volume too low; Incorrect input mode selected; Speakers not connected properly; Audio source issue.	Increase master volume. Press MODE to select correct input. Check speaker connections (polarity). Verify audio source is playing.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device too far; Device already connected to another amplifier.	Ensure amplifier is in "BLUE" mode. Move device closer to amplifier. Disconnect from other devices and try pairing again.
USB/SD card not playing	Incorrect file format; Card/drive not inserted correctly; Corrupted files.	Ensure files are in supported format (MP3, WAV). Reinsert card/drive. Try a different USB/SD card.
Distorted sound	Volume too high; Speaker impedance mismatch; Poor audio source quality.	Reduce volume. Ensure speakers are compatible. Try a different audio source.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	WOOPKER
Model Number	AK45Pro
Color	Black
Connectivity Technology	RCA, USB, Bluetooth
Special Features	Integrated Bluetooth
Compatible Devices	Speaker
Connector Type	USB Type A
Audio Encoding	Windows Media Audio (WMA)
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2.0
Controller Type	Remote Control
Max Power Output	400W + 400W (Peak)

Specification	Value
Rated RMS Power	50W x 2

9. WARRANTY AND SUPPORT

9.1 Warranty Information

WOOPKER products are manufactured to the highest quality standards. For specific warranty details, please refer to the warranty card included with your product or contact WOOPKER customer support. The warranty typically covers defects in materials and workmanship under normal use.

9.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue that is not covered in this manual, please contact WOOPKER customer support. Contact information can usually be found on the product packaging, the official WOOPKER website, or the warranty card.

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