

WOOPKER AFA3116-01

WOOPKER AFA3116-01 Stereo Receiver Amplifier User Manual

Model: AFA3116-01 | Brand: WOOPKER

1. INTRODUCTION

Thank you for choosing the WOOPKER AFA3116-01 Stereo Receiver Amplifier. This device is designed to provide high-quality audio amplification for your home speaker system, offering versatile connectivity options including Bluetooth 5.3, AUX, USB, and Optical inputs. This manual provides essential information for safe operation, setup, and maintenance of your amplifier.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before operating the device.
- Keep this manual for future reference.
- Do not expose the device to rain, moisture, or extreme temperatures.
- Ensure proper ventilation; do not block any ventilation openings.
- Use only the power adapter supplied with the unit.
- Do not attempt to repair or modify the device yourself. Refer all servicing to qualified personnel.
- Disconnect the power adapter from the wall outlet if the unit is not in use for a long period.
- Install the Bluetooth antenna before using Bluetooth input to ensure optimal reception.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- WOOPKER AK3116 Stereo Audio Amplifier Receiver x1
- 24V/5.0A Power Supply x1
- User Manual x1

- Remote Control x1
- Bluetooth Antenna x1

What's in the box?



AK3116 Amplifier



User's Manualx1



Remote Control



Power adapter



Bluetooth Antenna

Figure 3.1: Package Contents

4. PRODUCT OVERVIEW

4.1 Front Panel



Note: Pls install the bluetooth antenna before Bluetooth input, otherwise the reception will deteriorate!

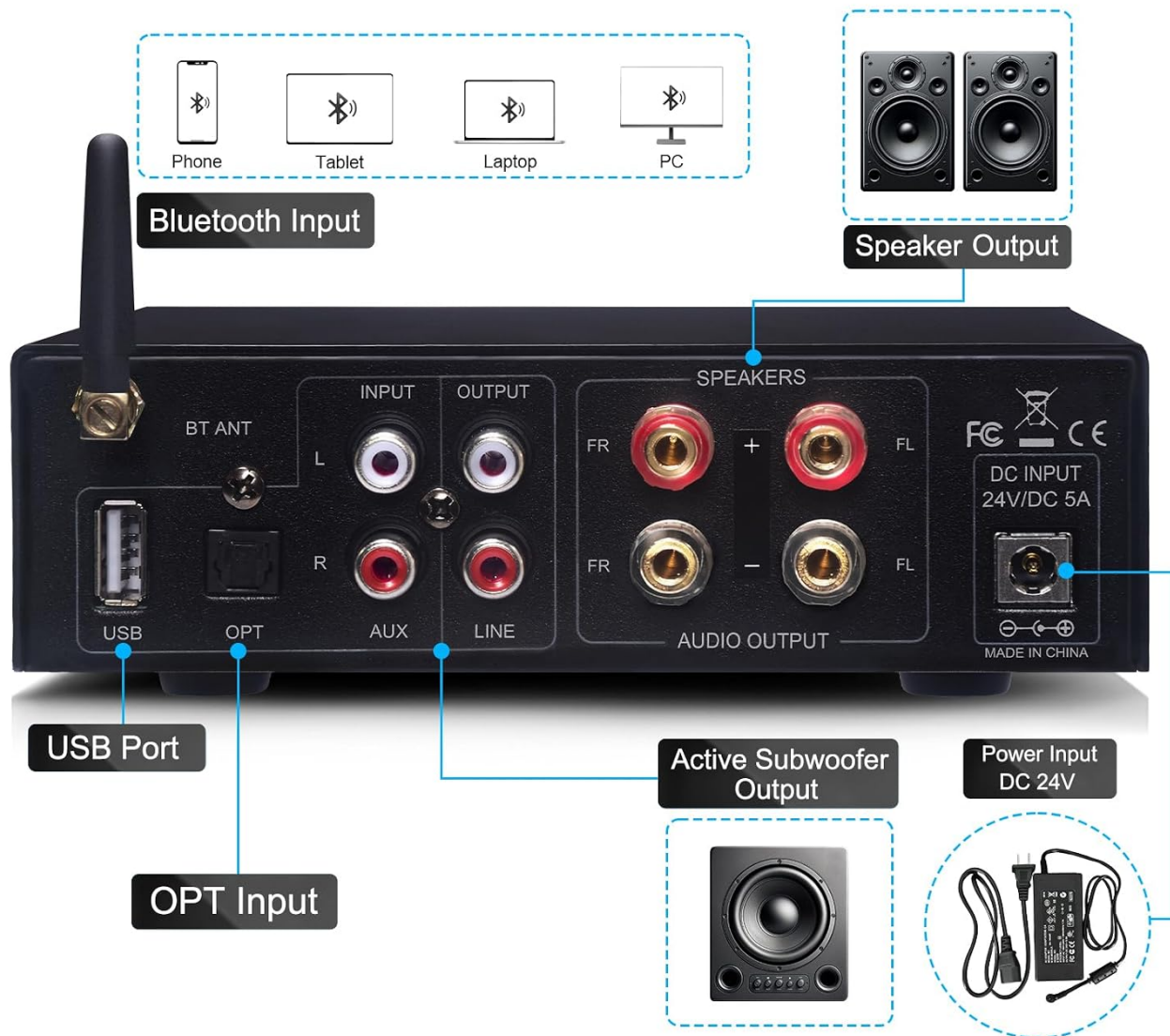


Figure 4.1: Front Panel Layout

- **Power Switch:** Toggles the amplifier on or off.
- **Input Indicators:** LEDs for IR, BT (Bluetooth), USB, OPT (Optical), AUX, and Input selection.
- **Treble Control:** Adjusts high-frequency audio output.
- **Bass Control:** Adjusts low-frequency audio output.
- **Volume Control:** Adjusts the overall output volume.
- **AUX Input:** 3.5mm jack for connecting external audio devices.

4.2 Rear Panel



Figure 4.2: Rear Panel Connections

- **BT ANT:** Connection point for the Bluetooth antenna.
- **USB Port:** For connecting USB storage devices for audio playback.
- **OPT Input:** Optical digital audio input.
- **AUX Input (RCA):** Stereo RCA input for analog audio sources.
- **LINE Output (RCA):** Stereo RCA output for connecting to another amplifier or recording device.
- **SPEAKERS (FR/FL):** Binding posts for connecting passive stereo speakers.
- **AUDIO OUTPUT (Active Subwoofer):** RCA output for connecting an active subwoofer.
- **DC INPUT 24V/5A:** Power input for the included 24V DC power adapter.

5. SETUP

5.1 Connecting Speakers

1. Ensure the amplifier is powered off and unplugged.

2. Connect your passive speakers to the **SPEAKERS** binding posts on the rear panel. Ensure correct polarity (red to red, black to black) for both left (FL) and right (FR) channels.

5.2 Connecting Audio Sources

Choose one of the following methods to connect your audio source:

- **Bluetooth:** Screw the provided Bluetooth antenna into the **BT ANT** port.
- **AUX (RCA):** Connect your audio device (e.g., CD player, turntable with pre-amp) to the **AUX Input (RCA)** ports using an RCA cable.
- **USB:** Insert a USB flash drive containing audio files into the **USB Port**.
- **Optical:** Connect a device with an optical output (e.g., TV, game console) to the **OPT Input** using an optical cable.
- **Front AUX (3.5mm):** Connect a portable audio device to the 3.5mm AUX input on the front panel.

5.3 Connecting an Active Subwoofer

If you wish to add an active subwoofer to your system:

1. Connect an RCA cable from the **AUDIO OUTPUT (Active Subwoofer)** port on the amplifier's rear panel to the input of your active subwoofer.

5.4 Power Connection

1. Connect the supplied 24V/5A power adapter to the **DC INPUT 24V/5A** port on the rear panel.
2. Plug the power adapter into a suitable wall outlet.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Flip the **POWER** switch on the front panel to turn the amplifier on or off.

6.2 Input Selection

The amplifier automatically detects the active input. You can also cycle through inputs using the input selection button on the front panel or the remote control.

6.3 Volume and Tone Control

- **Volume:** Rotate the large **VOLUME** knob on the front panel clockwise to increase volume and counter-clockwise to decrease. The remote control also has volume adjustment buttons.
- **Treble/Bass:** Use the **TREBLE** and **BASS** knobs to adjust the high and low frequencies of the audio output to your preference.

6.4 Bluetooth Pairing

1. Ensure the Bluetooth antenna is installed.
2. Turn on the amplifier and select Bluetooth input. The BT indicator will flash.
3. On your mobile device (phone, tablet, laptop), enable Bluetooth and search for available devices.
4. Select "AK3116" (or similar name) from the list to pair.
5. Once paired, the BT indicator will glow steadily, and you can play audio from your device.

Compact, Powerful, Amazing Performance



Figure 6.1: Bluetooth 5.3 Connection

6.5 Remote Control Usage

The included remote control allows for convenient adjustment of volume, input selection, and power from a distance.



Figure 6.2: Remote Control Operation

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or solvents.
- **Storage:** If storing the unit for an extended period, unplug it from the power outlet and store it in a cool, dry place.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected; Power outlet faulty; Power switch off.	Check power adapter connection; Try a different outlet; Ensure power switch is on.
No sound output	Incorrect input selected; Speaker wires loose; Volume too low; Audio source issue.	Select correct input; Check speaker connections and polarity; Increase volume; Verify audio source is playing.
Bluetooth not connecting	Bluetooth antenna not installed; Device not in pairing mode; Interference.	Install Bluetooth antenna; Ensure amplifier is in Bluetooth input mode and BT indicator is flashing; Move closer to the amplifier; Restart Bluetooth on your device.
Remote control not working	Batteries depleted; Obstruction; Remote out of range.	Replace remote control batteries; Remove any obstructions between remote and amplifier; Ensure you are within effective range.
Distorted sound	Volume too high; Source audio quality poor; Speaker impedance mismatch.	Reduce volume; Test with a different audio source; Ensure speakers match recommended impedance.

9. SPECIFICATIONS

Feature	Specification
Model Number	AFA3116-01
Brand	WOOPKER
Output Power	RMS 100W x 2 (200W total)
Number of Channels	2
Amplifier ICs	2x Texas Instruments TPA3116
Bluetooth Version	5.3
Bluetooth Range	Up to 60 feet (approx. 18 meters)
Inputs	Bluetooth, AUX (RCA), USB, Optical, AUX (3.5mm front)
Outputs	Speaker Output, Active Subwoofer Output (RCA), Line Output (RCA)
Power Supply	DC 24V/5A
Voltage	24 Volts (DC)
Mounting Type	Freestanding
Item Weight	3.61 pounds

Feature	Specification
Package Dimensions	12.64 x 8.94 x 3.23 inches

9.1 Output Power vs. Speaker Impedance



Figure 9.1: Maximum Output Power Chart

10. WARRANTY AND SUPPORT

WOOPKER products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided on your purchase receipt or visit the official WOOPKER website. Please have your model number (AFA3116-01) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question