

VOYZ VZ-PA5000

VOYZ VZ-PA5000 5000W Bluetooth Hybrid Home Amplifier User Manual

Model: VZ-PA5000

1. INTRODUCTION

Thank you for purchasing the VOYZ VZ-PA5000 5000W Bluetooth Hybrid Home Amplifier. This amplifier is designed to provide high-quality audio performance for your home theater or karaoke system, featuring versatile input options and robust power output. Please read this manual thoroughly before operating the unit to ensure proper use and to maximize its performance.



Image 1.1: VOYZ VZ-PA5000 Amplifier with accessories. This image displays the main amplifier unit, a wired microphone, and a remote control, providing a visual overview of the product and its primary components.

2. SAFETY INFORMATION

To reduce the risk of electric shock, fire, or damage to the unit, please observe the following safety precautions:

- Do not expose this unit to rain or moisture.
- Do not remove the cover. Refer servicing to qualified personnel only.
- Ensure proper ventilation. Do not block ventilation openings.
- Connect the power cord to a grounded AC outlet.
- Do not place the unit near heat sources or in direct sunlight.
- Disconnect the power cord during lightning storms or when unused for long periods.
- **California Proposition 65 Warning:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, please visit the official Proposition 65 Warnings Website.

3. PACKAGE CONTENTS

Please check the box for the following items:

- VOYZ VZ-PA5000 Hybrid Pre-Amplifier
- Wired Microphone
- Remote Control (requires 2 x 'AAA' batteries, not included)
- AM/FM Antenna
- Power Cable



Image 3.1: Package Contents. This image displays the amplifier's accessories, including a wired microphone, remote control, AM/FM antenna, and the power cable, confirming what should be found in the box.

4. PRODUCT FEATURES

The VOYZ VZ-PA5000 amplifier offers a range of features for a comprehensive audio experience:

- **High-Powered Output:** 5000W max power, supporting two sets of speakers.
- **Multi-Channel Source Selection:** Easily switch between various audio inputs.
- **Bluetooth Connectivity:** Built-in Bluetooth 5.0 for wireless music streaming from smartphones, tablets,

and laptops with a range of 50+ feet.

- **AM/FM Radio:** Digital LCD display with 100 station memory presets.
- **USB Playback:** Supports MP3/WMA/WAV/FLAC/APE audio files from USB flash memory up to 64GB.
- **Multiple Inputs:** Two 1/4" microphone inputs, 3.5mm AUX input, RCA (L/R) audio inputs for CD/DVD players.
- **Outputs:** 1/4" headphone jack, dedicated RCA (L/R) output for subwoofer, screw-type speaker terminal binding posts.
- **Karaoke Functionality:** Microphone volume and echo controls.
- **User-Friendly Controls:** Front panel buttons and rotary controls with LED backlight illumination and a digital LCD display.
- **Protection:** Integrated overload and short circuitry protection.
- **Cooling:** Built-in cooling fan for stable operation.
- **Design:** Universal rack mount design.

5. FRONT AND REAR PANEL OVERVIEW

Familiarize yourself with the controls and connections on the front and rear panels of your VZ-PA5000 amplifier.

Bluetooth 5.0 system

Connect various devices wirelessly



Image 5.1: Front and Rear Panel Diagram. This detailed diagram labels all buttons, knobs, inputs, and outputs on both the front and rear of the VOYZ VZ-PA5000 amplifier, essential for understanding its functionality and connections.

5.1 Front Panel Controls

1. **Power On/Off Switch:** Turns the unit on or off.
2. **USB Reader Input:** Connect USB flash drives for audio playback.
3. **Headphone Input:** 1/4" jack for connecting headphones.
4. **Auxiliary Input:** 3.5mm jack for connecting external audio devices.
5. **Mic Input 1 & 2:** 1/4" jacks for connecting microphones.
6. **Next/Previous Buttons:** Navigate tracks on USB or radio stations.
7. **Play/Pause/AM/FM Selector:** Controls playback for USB, and switches between AM/FM radio.
8. **Station Auto Scan:** Automatically scans and saves radio stations.
9. **LED Digital Display:** Shows current mode, track information, or radio frequency.
10. **Input Selector:** Rotary knob to choose audio source (Bluetooth, USB, AUX, RCA, AM/FM).

11. **Subwoofer Output Control:** Adjusts the volume level of the subwoofer output.
12. **Master Volume Control:** Adjusts the overall output volume.
13. **Menu Button:** Accesses system settings.
14. **Channel Selector:** Selects radio channels.
15. **Mic Volume Control:** Adjusts the volume of connected microphones.
16. **Echo Control:** Adjusts the echo effect for microphones.
17. **Mic Tone Control:** Adjusts the tone of the microphone input.
18. **LED On/Off Switch:** Toggles the display backlight.

5.2 Rear Panel Connections

1. **FM/AM Antenna Input:** Connect the included AM/FM antenna.
2. **Mic Antenna Input:** For wireless microphone reception (if applicable, not included with standard package).
3. **Audio Input (Left and Right):** RCA inputs for connecting external audio sources like CD/DVD players.
4. **Audio Output (Left and Right) Pre Out / Sub Out:** RCA outputs for connecting to a subwoofer or another amplifier.
5. **Speaker Output (Channel A and B):** Screw-type binding posts for connecting two pairs of speakers.
6. **Cooling Fan:** Ensures proper heat dissipation.
7. **Voltage Selector (115V/230V):** Selects the appropriate voltage for your region.
8. **Power Cord Input with Fuse Box:** Connects the power cable to the unit.

6. SETUP

Follow these steps to set up your VOYZ VZ-PA5000 amplifier:

1. **Placement:** Place the amplifier on a stable, flat surface or install it in a standard audio rack. Ensure adequate ventilation around the unit.
2. **Voltage Selection:** Before connecting the power cable, verify that the Voltage Selector switch on the rear panel is set to the correct voltage for your region (115V or 230V).
3. **Connect Speakers:** Connect your passive speakers to the Speaker Output binding posts on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker and channel (A or B).
4. **Connect Antennas:** Connect the included AM/FM antenna to the respective inputs on the rear panel for radio reception.
5. **Connect Audio Sources:**
 - For CD/DVD players or other analog devices, use RCA cables to connect their audio outputs to the RCA Audio Input jacks on the rear panel.
 - For portable devices, use a 3.5mm audio cable to connect to the Auxiliary Input on the front panel.
 - For USB playback, insert a USB flash drive into the USB Reader Input on the front panel.
6. **Connect Subwoofer (Optional):** If using an external powered subwoofer, connect its input to the RCA Audio Output (Sub Out) jacks on the rear panel.
7. **Connect Microphones (Optional):** Plug wired microphones into the 1/4" Mic Input jacks on the front panel.
8. **Power Connection:** Once all other connections are made, connect the power cable to the Power Cord Input on the rear panel and then plug it into a wall outlet.

7. OPERATING INSTRUCTIONS

7.1 Power On/Off

Press the **Power On/Off Switch** on the front panel to turn the amplifier on or off. The digital display will illuminate when the unit is powered on.

7.2 Source Selection

Rotate the **Input Selector** knob on the front panel to choose your desired audio source (e.g., Bluetooth, USB, AUX, RCA, AM/FM).

7.3 Bluetooth Connectivity

1. Select 'Bluetooth' as the input source using the **Input Selector**.
2. The amplifier will enter pairing mode, indicated on the digital display.
3. On your smartphone, tablet, or laptop, enable Bluetooth and search for available devices.
4. Select 'VOYZ VZ-PA5000' (or similar) from the list of devices to pair.
5. Once paired, you can stream audio wirelessly to the amplifier.

Bluetooth 5.0 system

Connect various devices wirelessly



Image 7.1: Bluetooth 5.0 System Connectivity. This image visually represents how the VOYZ VZ-PA5000 amplifier can connect wirelessly via Bluetooth 5.0 to various devices such as computers, mobile phones, tablets, and televisions.

7.4 AM/FM Radio

1. Select 'AM' or 'FM' as the input source.
2. Press the **Play/Pause/AM/FM Selector** button to switch between AM and FM bands.
3. Use the **Next/Previous** buttons to manually tune to stations.
4. Press the **Station Auto Scan** button to automatically scan and save available stations to memory presets.
5. Use the **Channel Selector** to cycle through saved presets.

7.5 USB Playback

1. Insert a USB flash drive into the **USB Reader Input** on the front panel.
2. Select 'USB' as the input source.

3. The amplifier will automatically begin playing compatible audio files (MP3/WMA/WAV/FLAC/APE).
4. Use the **Next/Previous** buttons to skip tracks and the **Play/Pause** button for playback control.

7.6 AUX/RCA Input

Select 'AUX' or 'RCA' as the input source, depending on which input you are using. Play audio from your connected external device.

7.7 Microphone and Karaoke Functions

1. Connect your microphone(s) to the **Mic Input 1** or **Mic Input 2** jacks.
2. Adjust the microphone volume using the **Mic Volume Control** knob.
3. Apply echo effects using the **Echo Control** knob.
4. Fine-tune the microphone's tone with the **Mic Tone Control**.

7.8 Volume Adjustment

Adjust the overall listening volume using the **Master Volume Control** knob. For subwoofer output, use the **Subwoofer Output Control**.

8. MAINTENANCE

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

9. TROUBLESHOOTING

If you encounter issues with your amplifier, refer to the following table:

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; Blown fuse; Incorrect voltage selection.	Ensure power cord is securely connected; Turn power switch on; Check and replace fuse if necessary; Verify voltage selector is set correctly.
No sound output	Incorrect input source selected; Speaker wires not connected or reversed polarity; Volume too low; Mute function active.	Select correct input source; Check speaker connections and polarity; Increase Master Volume; Ensure unit is not muted.
Bluetooth not connecting	Amplifier not in pairing mode; Device too far; Bluetooth disabled on source device.	Select Bluetooth input on amplifier; Ensure source device is within 50ft range; Enable Bluetooth on your device and re-scan.
USB playback issues	USB drive not inserted correctly; Incompatible file format; USB drive capacity too large.	Re-insert USB drive; Ensure files are MP3/WMA/WAV/FLAC/APE; Use USB drive up to 64GB.

Problem	Possible Cause	Solution
Radio static or poor reception	Antenna not connected or positioned poorly; Interference.	Connect AM/FM antenna securely; Adjust antenna position for better reception; Move away from other electronic devices.

10. SPECIFICATIONS

Feature	Specification
Power Output	5000 Watt Max; RMS: 300W x2 @ 4 Ohm, 200W x2 @ 8 Ohm
Frequency Response	40Hz-15kHz, +/-2dB
S/N Ratio	>76dB
T.H.D.	<1%
Bluetooth Version	5.0
Wireless Range	50+ ft.
Radio Presets	100 (AM/FM)
USB Support	Up to 64GB, MP3/WMA/WAV/FLAC/APE
Power Supply	120/240V, Switchable
Power Cord Length	4.5 ft.
Unit Dimensions (L x W x H)	19" x 3.5" x 15.9" inches (48.26 x 8.89 x 40.39 cm)
Weight	23.9 lbs (10.84 kg)

11. WARRANTY AND SUPPORT

Warranty information for the VOYZ VZ-PA5000 amplifier was not provided in the available product details. For specific warranty terms, technical support, or service inquiries, please refer to the documentation included with your purchase or contact VOYZ customer service directly.