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Vonyx VPA600

Vonyx VPA600 Amplifier User Manual

2 x 300W PA Amplifier with Bluetooth and MP3 Player

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Vonyx VPA600 PA Amplifier. Please read this manual thoroughly before using the device to ensure proper setup and to understand all features. Keep this manual for future reference.



Image 1.1: Front view of the Vonyx VPA600 PA Amplifier. This image displays the amplifier's front panel, including the power button, volume controls, media player display, USB and SD card slots, and the Vonyx branding.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches the rating on the amplifier.
- Do not expose the unit to rain or moisture to prevent electric shock.
- Avoid placing the unit near heat sources or in direct sunlight.
- Ensure adequate ventilation around the amplifier. Do not block ventilation openings.
- Do not open the amplifier casing. Refer all servicing to qualified personnel.
- Disconnect the power plug from the mains before cleaning or if the unit will not be used for an extended period.
- Use only accessories specified by the manufacturer.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- Vonyx VPA600 PA Amplifier
- Power Cable
- Remote Control
- User Manual (this document)

4. PRODUCT FEATURES

- Powerful 2 x 300W output (600W total at 4 Ohms).
- Integrated Bluetooth for wireless audio streaming from smartphones, tablets, or laptops.
- Built-in media player with USB port and SD card slot for direct MP3 playback.
- Digital recording function via USB connection.
- Robust and durable metal housing.
- LED VU-meter for visual level indication.
- Suitable for 19-inch rack mounting.
- Includes a convenient remote control.

5. CONTROLS AND CONNECTIONS

5.1 Front Panel



Image 5.1: Detailed view of the Vonyx VPA600 front panel, highlighting the media player controls, display, and individual channel volume knobs.

- **Power Button:** Turns the amplifier on or off.
- **Left/Right Volume Controls:** Adjusts the output volume for the respective channels.
- **Media Player Display:** Shows track information, input mode, and recording status.
- **Media Player Controls:** Buttons for Play/Pause, Stop, Next/Previous Track, Mode selection, and Record.
- **USB Port:** For connecting USB flash drives.
- **SD Card Slot:** For inserting SD memory cards.



Image 5.2: Close-up view of the USB port and SD card slot on the Vonyx VPA600 front panel, indicating where to insert storage devices for media playback.

5.2 Rear Panel



Image 5.3: Rear panel of the Vonyx VPA600 amplifier, showing speaker outputs, line inputs, and the power connection.

- **Speaker Outputs:** NL2 connectors, 6.3mm jack outputs, and speaker terminal clamps for connecting passive speakers. Ensure minimum impedance of 4 Ohms.
- **Line Inputs:** Stereo RCA input and 6.3mm jack input for connecting external audio sources (e.g., mixer, CD player).
- **Power Input:** IEC power connector for the mains power cable.
- **Cooling Fan:** Ensures proper heat dissipation during operation.

6. SETUP

6.1 Placement

Place the amplifier on a stable, flat surface or install it into a standard 19-inch equipment rack. Ensure there is sufficient space around the unit for proper ventilation, especially at the rear where the cooling fan is located.



Image 6.1: Close-up of the rack mount ear on the Vonyx VPA600, illustrating its design for secure installation in a 19-inch equipment rack.

6.2 Connecting Speakers

Connect your passive speakers to the speaker outputs on the rear panel. The VPA600 offers NL2, 6.3mm jack, and speaker terminal clamp connections. Ensure that the total impedance of the connected speakers for each channel is not less than 4 Ohms. Connect the left speaker to the 'Left Channel' outputs and the right speaker to the 'Right Channel' outputs.

6.3 Connecting Audio Sources

Connect your audio source (e.g., mixer, CD player, smartphone via Bluetooth) to the appropriate input on the amplifier. For wired connections, use the RCA or 6.3mm jack line inputs on the rear panel.

6.4 Power Connection

After all audio and speaker connections are made, connect the supplied power cable to the IEC power input on the rear panel of the amplifier and then to a suitable mains power outlet (AC 230-240V, 50/60Hz).

7. OPERATING INSTRUCTIONS

7.1 Powering On/Off

Press the Power button on the front panel to turn the amplifier on. The display will illuminate. Press it again to turn the amplifier off.

7.2 Bluetooth Pairing

1. Turn on the amplifier.
2. Press the 'MODE' button on the front panel or remote control until 'Bluetooth' is selected on the display.
3. On your Bluetooth-enabled device (smartphone, tablet), search for available devices.
4. Select 'Vonyx VPA600' from the list to pair. Once paired, you can stream audio wirelessly.

7.3 Using the Media Player (USB/SD)

1. Insert a USB flash drive into the USB port or an SD card into the SD card slot.
2. The amplifier will automatically switch to USB/SD mode, or you can select it using the 'MODE' button.
3. Use the Play/Pause, Next/Previous, and Stop buttons to control playback.
4. To record, ensure a USB drive is inserted. Press the 'Record' button on the media player. Press again to stop recording.

7.4 Using Line Input

Connect your external audio source to the RCA or 6.3mm jack line inputs on the rear panel. Press the 'MODE' button until 'Line In' is selected on the display. Adjust the volume using the Left/Right volume controls.

7.5 Volume Control

Use the individual 'LEFT' and 'RIGHT' volume knobs on the front panel to adjust the output level for each channel. Start with low volume and gradually increase to the desired level.

7.6 Remote Control





Image 7.1: The remote control for the Vonyx VPA600 amplifier, showing buttons for playback control, volume adjustment, mode selection, and track navigation.

The included remote control allows for convenient operation of the media player functions, mode selection, and volume adjustment from a distance. Ensure the remote has working batteries and an unobstructed line of sight to the amplifier's front panel sensor.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use abrasive cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are free from dust and debris. Use a soft brush

or compressed air to clean if necessary.

- **Storage:** If storing the amplifier for an extended period, disconnect it from power, cover it to protect from dust, and store in a cool, dry place.

9. TROUBLESHOOTING





Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Amplifier fuse blown	Check power cable connection; Test power outlet; Consult qualified technician for fuse replacement.
No sound output	Speakers not connected; Input source not selected; Volume too low; Faulty cables	Check speaker connections; Select correct input mode; Increase volume; Test/replace cables.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device too far; Device already paired elsewhere	Ensure amplifier is in Bluetooth mode; Move device closer; Disconnect from other devices and try again.
USB/SD media not playing	Incorrect file format; USB/SD card faulty; Amplifier not in USB/SD mode	Ensure files are MP3 format; Try a different USB/SD card; Select USB/SD mode.

10. SPECIFICATIONS

- **Output Power:** 2 x 300W @ 4 Ohms (600W total)
- **Frequency Response:** 20 Hz - 20 kHz
- **Signal-to-Noise Ratio (SNR):** > 98 dB
- **Interference Distance:** > 95 dB
- **Input Connections:** 1 x Stereo RCA, 1 x 6.3mm Jack
- **Output Connections:** 1 x NL2, 1 x 6.3mm Jack, 1 x Speaker Terminal Clamps (per channel)
- **Media Player:** USB port, SD card slot, Bluetooth
- **Power Supply:** AC 230-240V, 50/60 Hz
- **Dimensions (W x H x D):** 48.2 x 8.8 x 27 cm (19-inch rack mountable)
- **Weight:** Approx. 6.5 kg
- **Color:** Silver/Black

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

 <p>VX2USB MK2 Ref. nr.: 112.52</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS INSTRUKCJA OBSŁUGI</p> <p>91.2</p>	<p>VONYX VX2USB MK2 Instruction Manual</p> <p>Comprehensive instruction manual for the VONYX VX2USB MK2 media player, covering setup, operation, safety precautions, and technical specifications. Learn how to use all features of your VONYX VX2USB MK2.</p>
 <p>STM3030 Mixer 4 Channel, BT, MP3 ReCLed Ref. nr.: 112.52</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS</p> <p>91.4</p>	<p>VONYX STM3030 4-Channel DJ Mixer: User Manual and Operation Guide</p> <p>Comprehensive instruction manual for the VONYX STM3030 4-Channel DJ Mixer. Learn about its features, operation, safety precautions, front/rear panel controls, USB/SD/BT playback, and technical specifications.</p>
 <p>VXA Amplifier Series Ref. nr.: 112.52, 112.53, 112.54, 112.55, 112.56, 112.57, 112.58, 112.59, 112.60</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS INSTRUKCJA OBSŁUGI</p> <p>91.9</p>	<p>VONYX VXA Amplifier Series - Professional Amplifier Manual</p> <p>Comprehensive instruction manual for the VONYX VXA Amplifier Series, covering safety, front and rear panel features, installation, and technical specifications. Includes multilingual safety information translated to English.</p>
 <p>MEG060 Megaphone 60W Ref. nr.: 952.014</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS INSTRUKCJA OBSŁUGI NÁVOD K POUŽITÍ</p> <p>92.9</p>	<p>VONYX MEG060 Megaphone 60W Instruction Manual</p> <p>Comprehensive instruction manual for the VONYX MEG060 Megaphone 60W (Ref. nr.: 952.014). Learn about its features, operation, safety guidelines, parts, functions, recording capabilities, and technical specifications.</p>
 <p>VSA BT Series Bi-Amp 08" & 10" Ref. nr.: 952.015, 952.016</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS INSTRUKCJA OBSŁUGI</p> <p>91.1</p>	<p>Vonyx VSA BT Series Bi-Amp 08" & 10" Instruction Manual</p> <p>Comprehensive instruction manual for the Vonyx VSA BT Series Bi-Amp 08" and 10" active speakers, covering setup, operation, safety precautions, connectivity, maintenance, and technical specifications.</p>
 <p>AP1200PA / AP1500PA Mobile Amplifier Series Ref. nr.: 952.017, 952.018, 952.019, 952.020, 952.021, 952.022</p> <p>INSTRUCTION MANUAL GEBRUCHSANWEISUNG GEBRAUCHSANLEITUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS INSTRUKCJA OBSŁUGI</p> <p>92.9</p>	<p>VONYX AP1200PA / AP1500PA Mobile Amplifier Series Instruction Manual</p> <p>Comprehensive instruction manual for the VONYX AP1200PA and AP1500PA Mobile Amplifier Series, covering setup, operation, safety, technical specifications, and troubleshooting.</p>

