Vonyx V205B

VONYX V205B Active Powered PA Speaker System

User Instruction Manual

1. Introduction

Thank you for purchasing the VONYX V205B Active Powered 5" PA Speaker System. This compact and lightweight active speaker is designed for monitoring performances, practicing at home, or as part of a larger PA system. It features an 80W built-in amplifier, Bluetooth connectivity, and multiple input options for microphones, guitars, and other audio sources. Please read this manual thoroughly before operating the device to ensure proper use and to maximize its lifespan.

2. Safety Information

WARNING: To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Do not remove cover. No user-serviceable parts inside. Refer servicing to qualified personnel only.

- Read all instructions before using the product.
- Keep these instructions for future reference.
- Heed all warnings on the product and in the operating instructions.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- 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.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. Product Overview

The VONYX V205B features a user-friendly control panel and robust connectivity options. Familiarize yourself with the layout below.

3.1 Front Panel Controls and Inputs



Image 3.1: Front view of the VONYX V205B Active Powered PA Speaker System, highlighting the control panel with various knobs and input jacks. This image shows the speaker's main grille and the side-mounted control interface.

1. **MASTER VOLUME:** Adjusts the overall output volume of the speaker.
2. **TREBLE:** Controls the high-frequency equalization.
3. **MID:** Controls the mid-frequency equalization.
4. **BASS:** Controls the low-frequency equalization.
5. **MODE:** Button to switch between input modes (Bluetooth, USB, AUX).
6. **USB:** USB port for audio playback from a USB drive.
7. **LINE LEVEL:** Adjusts the volume for AUX and USB inputs.

8. **MIC/GTR LEVEL:** Adjusts the volume for Microphone and Guitar inputs.
9. **AUX IN:** 3.5mm stereo jack for connecting external audio devices.
10. **GTR (Guitar) Input:** 6.3mm (1/4") jack for connecting a guitar.
11. **LINE Input:** RCA stereo input for line-level audio sources.
12. **MIC (Microphone) Input:** XLR (3-pin) input for connecting a microphone.
13. **PWR/BT/USB Indicators:** LEDs indicating power status, Bluetooth connection, and USB playback.

3.2 Rear Panel Connections



Image 3.2: Rear view of the VONYX V205B speaker, displaying the power input, power switch, and the XLR THRU output with its MIC/LINE selector switch.

13. **POWER Switch:** Turns the speaker ON or OFF.
14. **POWER Input:** IEC power inlet for connecting the AC power cord.
15. **MIC INPUT (XLR):** XLR input for microphone connection (also available on front panel).
16. **THRU (XLR Output):** XLR output for sending the mixed audio signal to another speaker or PA system.
17. **LINE/MIC Selector (for THRU):** Switch to select whether the THRU output sends a line-level or microphone-level signal.

4. Setup

Follow these steps for initial setup of your VONYX V205B speaker.

1. **Placement:** Place the speaker on a stable, flat surface. The V205B can also be mounted on a standard speaker stand using the integrated pole mount on the bottom. Ensure adequate ventilation around the unit.



Image 4.1: Bottom view of the VONYX V205B speaker, illustrating the integrated pole mount for stand placement.

2. **Power Connection:** Ensure the POWER switch on the rear panel is in the OFF position. Connect the supplied AC power cord to the POWER Input on the rear panel and then to a suitable wall outlet (220-240VAC 50Hz).
3. **Initial Volume Settings:** Before turning on the speaker, set the MASTER VOLUME, LINE LEVEL, and MIC/GTR LEVEL knobs to their minimum (-∞) positions to prevent sudden loud sounds.
4. **Connect Audio Sources:** Connect your desired audio sources (microphone, guitar, AUX device, or USB drive) to the appropriate inputs on the front panel.
    - For microphones: Use the XLR MIC Input.
    - For guitars: Use the 6.3mm GTR Input.
    - For line-level devices (e.g., CD player, mixer): Use the RCA LINE Input or 3.5mm AUX IN.
    - For USB playback: Insert a USB drive into the USB port.
5. **Power On:** Flip the POWER switch on the rear panel to the ON position. The PWR indicator on the front panel should illuminate.

5. Operating Instructions

5.1 Adjusting Volume and EQ

- **MASTER VOLUME:** Gradually increase this knob to set the overall output volume of the speaker to your desired level.
- **LINE LEVEL:** Adjust this knob to control the volume of audio coming from the AUX or USB inputs.
- **MIC/GTR LEVEL:** Adjust this knob to control the volume of audio coming from the Microphone or Guitar inputs.
- **TREBLE, MID, BASS:** Use these knobs to fine-tune the tonal characteristics of your audio. Turn clockwise to boost frequencies, counter-clockwise to cut them.

5.2 Bluetooth Connectivity

1. Ensure the speaker is powered on.
2. Press the **MODE** button on the front panel until the BT indicator illuminates, indicating Bluetooth mode.
3. On your Bluetooth-enabled device (smartphone, tablet, laptop), search for available Bluetooth devices.
4. Select "VONYX V205B" from the list of devices.
5. Once paired, the BT indicator will remain solid, and you can stream audio wirelessly to the speaker.

5.3 USB Playback

1. Insert a USB flash drive containing MP3 audio files into the USB port.
2. Press the **MODE** button until the USB indicator illuminates, indicating USB playback mode.
3. The speaker will automatically begin playing audio files from the USB drive. Use the MODE button to skip tracks (short press) or pause/play (long press).

5.4 Using the THRU Output

The XLR THRU output on the rear panel allows you to send the mixed audio signal from the V205B to another active speaker or a PA system.

- Connect an XLR cable from the THRU output of the V205B to the input of another speaker or mixer.
- Use the **LINE/MIC Selector** switch next to the THRU output to choose the appropriate signal level for the receiving device. Select "LINE" for line-level inputs on mixers or other active speakers, or "MIC" if connecting to a microphone-level input.

6. Maintenance

- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth to wipe the exterior of the speaker. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** If storing the speaker for an extended period, ensure it is clean and dry. Store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure that the ventilation openings are not blocked during operation to prevent overheating.
- **Cable Care:** Regularly inspect all cables for damage. Replace any frayed or damaged cables immediately.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; No power from outlet.	Ensure power cord is securely connected. Turn power switch ON. Check outlet with another device.

Problem	Possible Cause	Solution
No sound output	MASTER VOLUME too low; Input LEVEL too low; Incorrect input selected; Faulty cable; Source device issues.	Increase MASTER VOLUME and relevant input LEVEL. Press MODE to select correct input. Check and replace cables. Verify source device is playing audio.
Bluetooth not connecting	Speaker not in Bluetooth mode; Device not discoverable; Already paired with another device; Out of range.	Press MODE to enter Bluetooth mode. Ensure device's Bluetooth is ON and discoverable. Disconnect from other devices. Move device closer to speaker.
Distorted sound	Volume levels too high (clipping); EQ settings incorrect; Faulty input source.	Reduce MASTER VOLUME or input LEVELs. Adjust TREBLE, MID, BASS knobs. Test with a different audio source.
USB playback not working	USB not inserted correctly; USB drive corrupted; Unsupported file format; Speaker not in USB mode.	Re-insert USB drive. Try a different USB drive. Ensure files are MP3 format. Press MODE to enter USB mode.

8. Specifications

Technical specifications for the VONYX V205B Active Powered PA Speaker System.



Image 8.1: Diagram illustrating the physical dimensions (height, width, depth) of the VONYX V205B speaker.

Output power:	80W
Woofer Diameter:	5 inches
Frequency Response:	40Hz – 18,000Hz
Impedance:	4 Ohm
SPL (Sound Pressure Level):	100dB (@ 1W/1m)
Input Connections:	3.5 mm jack, 6.3 mm jack, RCA, USB, XLR (3-pin)
Connectivity Technology:	Bluetooth
Power Supply:	220-240VAC 50Hz
Dimensions (W x D x H):	280 x 200 x 210 mm
Weight:	3.9 kg
Model Name:	V205B
Speaker Type:	Monitor

Note: Specifications are subject to change without notice for product improvement.

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