VONYX VMM-P500

Vonyx VMM-P500 Professional 4-Channel DJ Mixer User Manual

Model: VMM-P500

INTRODUCTION

Thank you for purchasing the Vonyx VMM-P500 4-Channel Mixer. This compact and versatile mixer is designed for professional audio applications, offering features such as Bluetooth connectivity, an integrated USB MP3 player with recording capabilities, 16 digital effects, and microphone inputs with switchable phantom power. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

SAFETY INSTRUCTIONS

- **Power Supply:** Only use the provided power adapter. Ensure the voltage matches the requirements of your region.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Cables:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

PACKAGE CONTENTS

Please check that all items are present and in good condition upon opening the package:

- Vonyx VMM-P500 4-Channel Mixer
- Power Adapter (230V to 5V)
- USB-A Cable

- User Manual (this document)

PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your VMM-P500 mixer.

Figure 1: Top view of the Vonyx VMM-P500 mixer, highlighting the microphone/line inputs, USB/MP3 player section, main output, and various channel controls including gain, EQ, effects, and pan, along with the main fader.
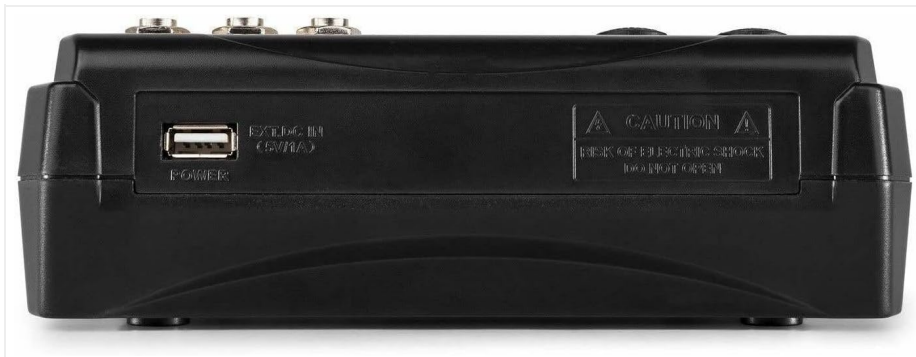
Figure 2: Detailed view of the mixer's control surface, showing the individual channel faders, gain knobs, 2-band EQ controls (High and Low), FX send knobs, and pan controls for channels 1 and 2. Also visible are the DSP effects section and the main output fader.

Control Descriptions:

- **MIC/LINE Inputs (Channels 1-2):** Combo XLR/6.3mm jack inputs for microphones or line-level instruments.
- **PHANTOM +48V:** Switch to enable phantom power for condenser microphones on channels 1-2.
- **GAIN:** Adjusts the input sensitivity for each channel.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping.
- **HIGH/LOW EQ:** 2-band equalizer for adjusting treble and bass frequencies for each channel.
- **FX:** Controls the amount of signal sent to the internal DSP effects processor.
- **PAN:** Adjusts the stereo position of the channel's signal.
- **LEVEL (Channels 1-2):** Individual channel volume faders.
- **L/MONO, R (Channels 3/4, 5/6):** Line inputs for stereo or mono sources.
- **DIGITAL MP3 PLAYER:** Section for USB playback, recording, and Bluetooth connectivity. Includes display and control buttons.
- **DSP MULTI EFFECTS:** Knob to select one of the 16 built-in digital effects (Echo and Delay types).
- **DELAY/LEVEL (FX):** Controls the delay time and overall level of the selected effect.
- **PHONES:** Headphone output jack.
- **LEVEL PHONES:** Headphone volume control.
- **MAIN OUT:** Stereo 6.3mm jack outputs for connecting to an amplifier or powered speakers.
- **MAIN FADER:** Controls the overall output volume of the mixer.
- **POWER LED:** Indicates when the unit is powered on.

SETUP

1. **Unpacking:** Carefully remove the mixer and all accessories from the packaging. Retain the packaging for future transport or storage.

2. **Placement:** Place the mixer on a stable, flat surface, ensuring adequate ventilation around the unit.

3. **Power Connection:** Connect the supplied 5V power adapter to the "5V DC IN" port on the rear of the mixer. Plug the adapter into a suitable power outlet. The POWER LED on the mixer will illuminate.

Figure 3: Rear view of the VMM-P500 mixer, showing the 5V DC IN power input and the USB port for PC connection.

4. **Main Output Connection:** Connect the "MAIN OUT" jacks (L/R) to your amplifier, powered speakers, or recording device using 6.3mm jack cables.

5. **Microphone/Instrument Connection:**

   - For microphones, connect via the XLR or 6.3mm jack on channels 1-2. If using a condenser microphone requiring phantom power, ensure the +48V switch is engaged.
   - For line-level instruments (keyboards, drum machines), connect to the 6.3mm jack inputs on channels 3/4 or 5/6.

6. **Headphone Connection:** Plug your headphones into the "PHONES" jack for monitoring.

7. **USB Connection (for PC/Laptop):** If using the mixer as an audio interface with a computer, connect the supplied USB-A cable from the mixer's "TO PC" USB port to your computer's USB port.

Figure 4: USB-A cable connected to the "TO PC" port on the VMM-P500 mixer, enabling connection to a computer for audio interface functionality.

Basic Mixing:

1. Ensure all GAIN knobs are at their minimum (fully counter-clockwise) and all channel LEVEL faders and the MAIN fader are down before powering on connected equipment.

2. Power on the mixer, then your amplifier/powered speakers.

3. Adjust the GAIN knob for each input channel until the PEAK LED flashes only occasionally during the loudest parts of the signal.

4. Slowly raise the individual channel LEVEL faders to bring up the sound for each source.

5. Adjust the MAIN fader to control the overall output volume.

6. Use the HIGH and LOW EQ knobs to shape the tone of each channel.

7. Use the PAN knob to position the sound within the stereo field.

Bluetooth Connectivity:

1. Press the "MODE" button on the Digital MP3 Player section until "BT" or "Bluetooth" appears on the display.

2. On your mobile device (smartphone, tablet), enable Bluetooth and search for available devices.

3. Select "Vonyx VMM-P500" (or similar name) from the list to pair.

4. Once paired, you can stream audio wirelessly from your device to the mixer.

USB MP3 Player and Recording:

1. Insert a USB flash drive into the USB port on the Digital MP3 Player section.

Figure 5: A USB flash drive inserted into the VMM-P500 mixer's USB port, ready for MP3 playback or recording.

2. The mixer will automatically detect and play compatible audio files (e.g., MP3). Use the control buttons (Play/Pause, Next, Previous, Mode) to navigate.

3. To record to USB: Press the "REC" button. The mixer will record the main mix output to the USB drive. Press "REC" again to stop recording.

Digital Effects (DSP):

1. Turn the "DSP Select" knob to choose one of the 16 available effects (primarily Echo and Delay variations).

2. Use the "FX" knob on each channel to send that channel's signal to the effects processor.

3. Adjust the "LEVEL (FX)" knob in the DSP section to control the overall volume of the applied effect.

MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the surface of the mixer. Do not use liquid cleaners or aerosols.

- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Cable Care:** Avoid bending or crimping cables excessively. Store cables neatly to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; power outlet not working.	Check power connections. Try a different power outlet. Ensure the power adapter is functioning.
No sound output	MAIN fader is down; channel LEVEL faders are down; incorrect input/output connections; amplifier/speakers off or muted.	Raise MAIN and channel LEVEL faders. Verify all audio cables are correctly connected. Check power and mute status of connected amplifier/speakers.
Distorted sound	GAIN too high; PEAK LED constantly lit; faulty cable.	Reduce GAIN for the affected channel until PEAK LED only flashes occasionally. Check and replace faulty cables.
Microphone not working	Phantom power not enabled (for condenser mics); incorrect input selected; faulty microphone or cable.	Ensure +48V phantom power is enabled if required. Verify microphone is connected to MIC/LINE input. Test with a different microphone or cable.
Bluetooth not connecting	Mixer not in Bluetooth mode; device too far; interference.	Press MODE button until "BT" is displayed. Ensure device is within range. Reduce interference from other wireless devices.
USB playback not working	USB drive not inserted correctly; unsupported file format; corrupted files.	Re-insert USB drive. Ensure files are in MP3 format. Try a different USB drive or files.

SPECIFICATIONS

Feature	Detail
Channels	4
Microphone Inputs	XLR / 6.3 mm combo jack
Line Inputs	6.3 mm jack
Output	6.3 mm jack

Feature	Detail
Phantom Power	+48V (switchable)
DSP Effects	16 (Echo and Delay types)
Equalizer	2-band (High, Low) per channel
Bluetooth	Yes, for wireless audio streaming
USB Player	Integrated MP3 player with recording function
PC Connectivity	USB-A port for connection to PC/laptop
Power Supply	5V DC (230V AC adapter included)
Dimensions (L x W x H)	200 x 190 x 65 mm (7.87 x 7.48 x 2.56 inches)
Weight	0.65 kg (1.43 lbs)
Model Number	172.580

WARRANTY AND SUPPORT

Vonyx products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Vonyx website. Please retain your proof of purchase for any warranty claims.
Manufacturer: Tronios B.V.
For further assistance, please contact your local dealer or the Vonyx customer support team.

Related Documents - VMM-P500

[Vonyx VMM-K Series Music Mixer - Instruction Manual](#)
Comprehensive instruction manual for the Vonyx VMM-K Series Music Mixer, covering safety precautions, unpacking, power supply, detailed control element descriptions, technical specifications, and compliance information. Models include VMM-K402, VMM-K585, VMM-K587, and VMM-K590.

VONYX STM3030 Mixer 4 Channel, BT, MP3/Rec/LED	**VONYX STM3030 4-Channel DJ Mixer: User Manual and Operation Guide** 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.
VONYX VMM201 Mixer 2CH/EQ/BT	**VONYX VMM201 Mixer 2CH/EQ/BT - User Manual and Specifications** Comprehensive user manual for the VONYX VMM201 2-Channel Mixer with EQ and Bluetooth. Learn about setup, operation, safety, and technical specifications.
VONYX VDX10 Phantom Power Supply	**Vonyx VDX10 Phantom Power Supply Instruction Manual** Comprehensive instruction manual for the Vonyx VDX10 Phantom Power Supply, covering setup, operation, safety precautions, and technical specifications for audio equipment.
VONYX WM55 Wireless Microphone	**VONYX WM55 Wireless Microphone Instruction Manual** Comprehensive instruction manual for the VONYX WM55 Wireless Microphone, covering setup, operation, safety precautions, and technical specifications. Includes multilingual safety information.
VONYX WM552 Wirel. Dual Micro UHF Plug-in	**VONYX WM552 Wireless Dual UHF Plug-in Microphone System - User Manual & Specifications** User manual for the VONYX WM552 Wireless Dual UHF Plug-in Microphone System. Provides detailed instructions on setup, operation, safety precautions, technical specifications, and compliance information for this audio equipment.