Vonyx VMM100

Vonyx VMM100 4-Channel DJ Mixer User Manual

Model: VMM100

1. INTRODUCTION

This manual provides essential information for the safe and correct operation of your Vonyx VMM100 4-Channel DJ Mixer. Please read this manual thoroughly before using the device to ensure optimal performance and to prevent damage. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches the requirements specified for the device.
- Do not expose the device to rain or moisture to avoid electric shock.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not open the casing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Disconnect the power adapter during thunderstorms or when not in use for extended periods.
- Keep the device away from children.

3. PRODUCT FEATURES

- Compact 4-channel analog mixer.
- Bluetooth connectivity for wireless audio streaming.
- Integrated USB MP3 player with digital display.
- Adjustable delay effect with dedicated volume control.
- Effect send/return on channels 1 and 2.
- High and low tone controls for each channel.
- USB power supply (5V) for mobile use, compatible with power banks.

- Channels 1 and 2 feature +48V phantom power for condenser microphones.

- LED VU meter and peak indicators for signal monitoring.

- Includes USB power adapter and USB cable.

4. PACKAGE CONTENTS

Please check that all items are present upon unpacking:

- Vonyx VMM100 4-Channel DJ Mixer

- USB Power Adapter

- USB Cable

- User Manual (this document)

5. CONTROLS AND FUNCTIONS

Figure 1: Overall view of the Vonyx VMM100 mixer, highlighting the layout of all controls, inputs, and outputs.

Figure 2: Close-up of the mixer's control panel, showing individual channel controls, EQ, gain, and effect knobs.

5.1 Input Channels (1 & 2)

- **Combi XLR / 6.3mm Jack:** Connect microphones (XLR) or line-level instruments (6.3mm jack).
- **Phantom +48V Switch:** Activates phantom power for condenser microphones on channels 1 and 2.
- **GAIN Knob:** Adjusts the input sensitivity for the connected device.
- **HIGH Knob:** Adjusts the high-frequency (treble) level for the channel.
- **LOW Knob:** Adjusts the low-frequency (bass) level for the channel.
- **FX Knob:** Controls the amount of delay effect applied to the channel.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping. Adjust GAIN to prevent this.
- **LEVEL Knob:** Adjusts the overall output level of the channel.

5.2 Stereo Input (Channel 3)

- **RCA Inputs (L/R):** Connect external stereo audio sources such as CD players or other line-level devices.
- **LEVEL Knob:** Adjusts the output level of the stereo input.

5.3 MP3/Bluetooth Channel (Channel 4)

Figure 3: USB port with a USB drive, demonstrating media playback capability.

Figure 4: Bluetooth and USB player section, showing the display and control buttons.

- **USB Port:** Insert a USB flash drive for MP3 playback.

- **Display:** Shows track information, playback time, and mode.

- **Control Buttons (Play/Pause, Skip, Mode):** Navigate tracks and switch between USB and Bluetooth modes.

- **Bluetooth (BT) Indicator:** Lights up when Bluetooth is active and paired.

- **LEVEL Knob:** Adjusts the output level of the MP3/Bluetooth channel.

5.4 Master Section

- **DELAY Knob:** Adjusts the overall intensity of the delay effect.

- **LEVEL FX RTN Knob:** Controls the return level of the delay effect.

- **LEVEL STEREO Knob:** Master volume control for the main stereo output.

- **LEVEL PHONES Knob:** Adjusts the volume for the headphone output.

- **VU Meter (LED):** Displays the main output level.

- **Main Output (6.3mm Jack L/R):** Connects to amplifiers or powered speakers.

- **Record Output (RCA L/R):** Connects to recording devices.

- **Headphone Output (6.3mm Jack):** Connects stereo headphones.

- **POWER LED:** Indicates when the mixer is powered on.

5.5 Power Input

Figure 5: Side view of the mixer, illustrating the 5V DC USB power input port.

- **5V DC USB Input:** Connect the provided USB power adapter or a compatible USB power source (e.g., power bank) to power the mixer.

6. SETUP

6.1 Power Connection

1. Connect the supplied USB cable to the 5V DC USB input on the mixer.
2. Connect the other end of the USB cable to the provided USB power adapter.
3. Plug the USB power adapter into a suitable wall outlet. The POWER LED on the mixer will illuminate.

6.2 Connecting Audio Sources

1. **Microphones/Line Instruments:** Connect microphones via XLR or line-level instruments via 6.3mm jack to channels 1 and 2. If using condenser microphones, activate the +48V phantom power switch.
2. **Stereo Line Devices:** Connect devices like CD players to the RCA inputs of channel 3.
3. **USB Drive:** Insert a USB flash drive containing MP3 files into the USB port on channel 4.

6.3 Connecting Outputs

1. **Main Output:** Connect the 6.3mm jack main outputs (L/R) to your amplifier, powered speakers, or PA system.
2. **Headphones:** Connect your headphones to the 6.3mm headphone jack.
3. **Recording Device:** Connect the RCA record outputs (L/R) to an external recording device if desired.

7. OPERATING INSTRUCTIONS

7.1 Basic Mixing

1. Ensure all LEVEL and GAIN knobs are set to their minimum positions before powering on.
2. Power on the mixer and any connected audio equipment.
3. Gradually increase the GAIN knob for each active input channel until the PEAK LED flashes only occasionally during the loudest parts of the signal.
4. Adjust the HIGH and LOW EQ knobs for each channel to shape the tone as desired.
5. Use the individual LEVEL knobs to balance the volume of each channel.

6. Adjust the main STEREO LEVEL knob to control the overall output volume. Monitor the VU meter to avoid clipping.

7. Adjust the PHONES LEVEL knob for comfortable headphone monitoring.

7.2 Bluetooth Operation

1. Press the MODE button on the MP3/Bluetooth channel until the display shows "BT" or the Bluetooth indicator flashes.

2. On your smartphone, tablet, or PC, search for Bluetooth devices and select "Vonyx VMM100".

3. Once paired, the Bluetooth indicator will glow steadily. You can now stream audio wirelessly to the mixer.

4. Use the playback controls on the mixer or your device to manage audio.

7.3 USB MP3 Playback

1. Insert a USB flash drive containing MP3 files into the USB port.

2. Press the MODE button on the MP3/Bluetooth channel until the display shows track information.

3. Use the playback controls (Play/Pause, Skip) to navigate and play tracks.

7.4 Using Effects

1. Turn the FX knob on channels 1 and 2 to send a portion of that channel's signal to the internal delay effect.

2. Adjust the main DELAY knob to control the overall intensity and characteristics of the delay.

3. Use the LEVEL FX RTN knob to control how much of the processed effect signal is mixed back into the main output.

8. RECORDING

The VMM100 mixer allows for easy recording of your mix. Connect the RCA record outputs (L/R) to the input of a suitable recording device (e.g., computer audio interface, dedicated recorder). Ensure your recording software or device is configured to receive audio from the connected inputs. The signal sent to the record output is a stereo mix of all active channels, post-fader.

9. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use abrasive cleaners or solvents.

- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Check power connections. Try a different USB port or adapter.

Problem	Possible Cause	Solution
No sound output	Incorrect cable connections; volume knobs too low; incorrect input selection.	Verify all audio cables are securely connected. Increase channel LEVEL and STEREO LEVEL knobs. Ensure correct input mode (e.g., USB/BT).
Distorted sound	Input GAIN too high; output level too high.	Reduce GAIN for the affected channel until the PEAK LED stops flashing excessively. Lower STEREO LEVEL.
Bluetooth not pairing	Mixer not in Bluetooth mode; device too far; previously paired device connected.	Ensure mixer is in BT mode. Move device closer. Disconnect from other Bluetooth devices.
USB playback not working	USB drive not formatted correctly; unsupported file type; mixer not in USB mode.	Ensure USB drive is FAT32 formatted and contains MP3 files. Press MODE to select USB.

11. SPECIFICATIONS

- **Inputs:**

  - Channels 1 & 2: Combi XLR / 6.3mm Jack (Line or Microphone)
  - Channel 3: RCA (Stereo)
  - Channel 4: Bluetooth or USB MP3 Player

- **Outputs:**

  - Main: 6.3mm Jack (Stereo)
  - Record: RCA (Stereo)
  - Headphone: 6.3mm Jack

- **Frequency Range:** 20 Hz - 20,000 Hz
- **Equalizer:** 2-band (High, Low) per channel
- **Phantom Power:** +48V (Channels 1 & 2)
- **Connection Voltage:** 5V DC (via USB)
- **Dimensions (L x W x H):** 18 x 19.5 x 5.8 cm (7.09 x 7.68 x 2.28 inches)
- **Weight:** 0.5 kg (1.1 lbs)
- **Material:** Nylon

12. WARRANTY AND SUPPORT

Vonyx products are designed and manufactured to the highest quality standards. In the unlikely event of a problem with your product, please contact your retailer for warranty service. Please retain your proof of purchase. For technical support or further inquiries, refer to the official Vonyx website or contact their customer service department.