

## VONYX VMM-F701

# Vonyx VMM-F701 7-Channel Mixer User Manual

Model: VMM-F701 | Brand: VONYX

## 1. INTRODUCTION

The Vonyx VMM-F701 is a versatile 7-channel mixer designed for various audio applications, including live performances and studio recording. It features multiple input options, an integrated effect processor, USB playback, and +48V phantom power for condenser microphones. This manual provides essential information for the safe and effective use of your VMM-F701 mixer.

## 2. SAFETY INSTRUCTIONS

- Always read these instructions carefully before using the device. Keep this manual for future reference.
- Ensure the power supply matches the voltage indicated on the device.
- Do not expose the device to rain or moisture.  
Avoid placing the device near heat sources or in direct sunlight.
- Disconnect the power cord during lightning storms or when unused for long periods.
- To reduce the risk of electric shock, do not remove the cover. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

## 3. PRODUCT OVERVIEW

The Vonyx VMM-F701 mixer offers a comprehensive set of features for audio mixing. It includes 5 mono microphone/line inputs (XLR/6.3mm Jack combo), 1 stereo line input (6.3mm Jack), and an integrated USB player. Each channel provides Hi, Mid, and Low equalization controls, along with FX, Pan, and AUX adjustments. The mixer also features a built-in effect processor with delay and repeat functions, +48V phantom power for condenser microphones, a balanced stereo main output, and a headphone output.



Overall view of the Vonyx VMM-F701 7-channel mixer, showcasing its compact design and control layout.



Top-down view of the Vonyx VMM-F701 mixer, highlighting the input channels, faders, and equalization knobs.



Close-up of the USB input and media player controls on the Vonyx VMM-F701 mixer, with a USB drive inserted.



Rear panel of the Vonyx VMM-F701 mixer, showing the power input and USB port for external power.

## 4. SETUP

1. **Power Connection:** Connect the mixer to a 230Vac/50Hz power source using the provided power cable. The mixer can also be powered via USB (5V/1A) for certain functions.
2. **Input Connections:**
  - For microphones, use XLR or 6.3mm jack cables to connect to channels 1-5. Activate +48V phantom power for condenser microphones.
  - For line-level instruments or devices, use 6.3mm jack cables to connect to channels 1-5 (line inputs) or the stereo line input (channels 6/7).

3. **Output Connections:** Connect your main speakers or amplifier to the balanced stereo main output (6.3mm Jack).
4. **Headphones:** Connect headphones to the dedicated headphone output for monitoring.



Detailed view of the mains power input and a wiring diagram for microphone/line inputs on the Vonyx VMM-F701 mixer.

## 5. OPERATING INSTRUCTIONS

1. **Gain Control:** Adjust the input sensitivity for each channel using the GAIN knob.
2. **Equalization (EQ):** Use the HI, MID, and LOW knobs to adjust the treble, midrange, and bass frequencies for each channel.
3. **Pan Control:** Adjust the stereo positioning of each channel using the PAN knob.
4. **FX Send:** Use the FX knob to send a portion of the channel's signal to the internal effect processor.
5. **AUX Send:** Use the AUX knob to send a portion of the channel's signal to an external effect unit or monitor mix (via FX Send/Return).
6. **Channel Faders:** Adjust the volume level for each individual channel.
7. **Main Fader:** Control the overall output volume of the mixer.
8. **Effect Processor:** Adjust the DELAY and REP (Repeat) knobs to control the characteristics of the built-in delay effect.
9. **USB Player:** Insert a USB drive into the USB port to play audio files. Use the media player controls (play/pause, skip, mode) to navigate and control playback.
10. **Phantom Power:** Press the +48V PHANTOM POWER button to supply power to condenser microphones. Ensure microphones are connected before activating.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid liquid cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

- **Ventilation:** Ensure proper ventilation around the mixer to prevent overheating.

## 7. TROUBLESHOOTING

| Problem                | Possible Cause                                                          | Solution                                                                                                                      |
|------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| No sound output        | Power off; cables disconnected; faders down; incorrect input selection. | Check power connection; ensure all cables are securely connected; raise channel and main faders; verify correct input source. |
| Distorted sound        | Input gain too high; output level too high; faulty cable.               | Reduce GAIN knob; lower main fader; try a different cable.                                                                    |
| Microphone not working | Phantom power off (for condenser mics); mic not connected; faulty mic.  | Activate +48V PHANTOM POWER; check mic connection; test with another microphone.                                              |
| USB player not working | USB drive not recognized; unsupported file format.                      | Ensure USB drive is properly inserted; try a different USB drive; check file formats (e.g., MP3).                             |

## 8. SPECIFICATIONS

| Feature                         | Specification                                  |
|---------------------------------|------------------------------------------------|
| Model Number                    | VMM-F701                                       |
| Number of Channels              | 7                                              |
| Frequency Range                 | 20 Hz - 20 kHz                                 |
| THD (Total Harmonic Distortion) | <0.01%                                         |
| Signal-to-Noise Ratio           | >110dB                                         |
| Output Level                    | ±1V                                            |
| Line Input Sensitivity          | ±150mV                                         |
| Microphone Input Sensitivity    | ±1.5mV                                         |
| Connection Voltage              | 230Vac / 50Hz (USB 5V/1A)                      |
| Dimensions (L x W x H)          | 230 x 312 x 45 mm (9.06 x 12.28 x 1.77 inches) |
| Weight                          | 2.25 kg (4.96 lbs)                             |
| Connectivity Technology         | USB                                            |
| Audio Input                     | XLR, 1/4 inch (6.3 mm) jack                    |
| Output Connector Type           | TRS 1/4" (balanced)                            |

## 9. WARRANTY AND SUPPORT

**Warranty:** This product comes with a 2-year warranty on spare parts. For warranty claims, please retain your proof of purchase.

**Support:** For technical assistance, troubleshooting, or service inquiries, please contact your local Vonyx dealer or visit the official Vonyx website for support resources.