

## Vonyx STM2270

# Vonyx STM2270 2-Channel DJ Mixer Instruction Manual

Model: STM2270

## INTRODUCTION

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The Vonyx STM2270 is a versatile 2-channel DJ mixer designed for both aspiring and experienced DJs. It integrates modern features such as Bluetooth connectivity and a USB/SD card MP3 player, alongside essential DJ tools like a crossfader and microphone input. This manual provides detailed instructions for the safe and efficient setup, operation, and maintenance of your Vonyx STM2270 mixer.



Front view of the Vonyx STM2270 DJ Mixer, showing all controls and inputs.

## SETUP

### Unpacking

- Carefully remove all components from the packaging.
- Verify that all parts are present and undamaged.
- Retain the original packaging for future transport or storage.

### Power Connection

- Ensure the mixer is switched off before connecting the power supply.
- Connect the provided 14V/600mA power adapter to the DC input on the rear panel of the mixer.
- Plug the power adapter into a standard 220V AC electrical outlet.

### Audio Connections

The STM2270 offers various input and output options for connecting your audio sources and sound system.



Rear panel of the Vonyx STM2270 DJ Mixer, showing power input, master output, line/phono inputs, and microphone input.

- **Master Output:** Connect your main sound system (amplifiers, powered speakers) to the MASTER OUTPUT RCA jacks.
- **Line/Phono Inputs:** Connect CD players, media players, or other line-level devices to the LINE inputs. For turntables, use the PHONO inputs. Ensure the correct input type is selected on the mixer.
- **Microphone Input:** Connect a microphone to the 6.3mm jack input on the rear panel.
- **Headphone Output:** Connect your headphones to the 6.3mm jack on the front panel for monitoring.

## OPERATING

### Powering On/Off

- To power on, ensure all volume controls are at their minimum setting, then press the POWER button.
- To power off, lower all volume controls, then press the POWER button.

### Channel Control

The mixer features two main channels, each with dedicated controls:

- **Input Selector:** Switch between LINE/USB (for Channel 1) or LINE/PHONO (for Channel 2) inputs.
- **Gain Control:** Adjust the input level for each channel to prevent clipping.
- **Equalizer (EQ):** Each channel has 2-band EQ controls (High and Low) to adjust the tone of the audio. (Highs:  $\pm 10\text{dB}$ , Lows:  $\pm 10\text{dB}$ ).

- **Channel Fader:** Controls the volume of the respective channel.
- **CUE Button:** Activates pre-fader listening (PFL) for the channel through headphones.



Close-up of the EQ section and LED level meters.

### Master and Crossfader

- **Master Fader:** Controls the overall output volume of the mixer.
- **Crossfader:** Allows for smooth transitions between Channel 1 and Channel 2. Slide the crossfader to the left for Channel 1, to the right for Channel 2, and to the center for a blend of both.



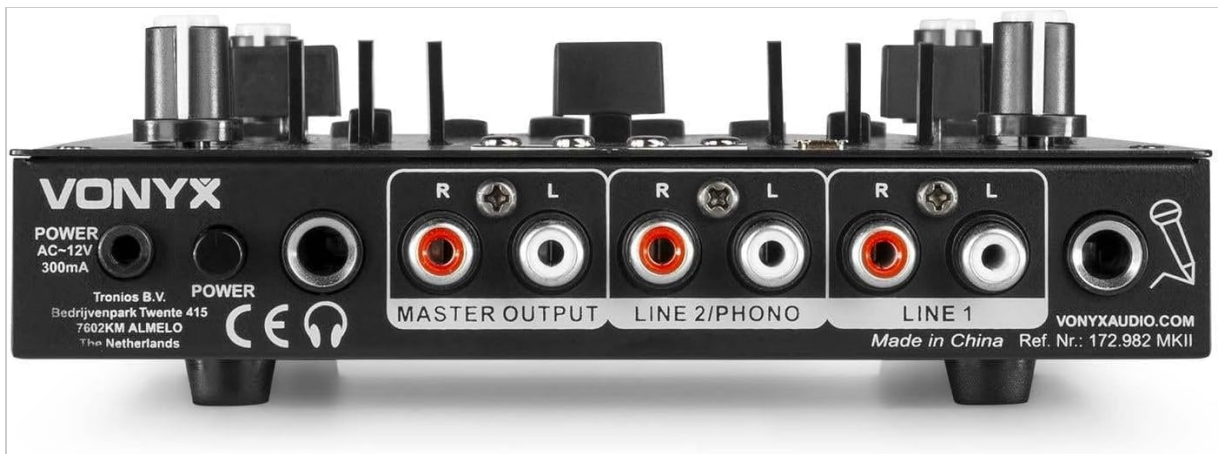
Close-up of the crossfader and integrated sound effects buttons.

### **Bluetooth Connectivity**

- Activate the Bluetooth function on the mixer (usually via the MP3 player section).
- Enable Bluetooth on your external device (smartphone, tablet, etc.).
- Search for and select "Vonyx STM2270" (or similar) in your device's Bluetooth settings to pair.
- Once paired, audio from your device will be routed through the mixer.

### **USB/SD MP3 Player**

- Insert a USB flash drive or SD card containing MP3 audio files into the designated slot.
- Use the player controls (Play/Pause, Next, Previous, Mode) to navigate and play tracks.
- The display will show track information and playback time.



Close-up of the USB port and SD card slot for the integrated MP3 player.

## Microphone Usage

- Connect your microphone to the MIC input.
- Adjust the MIC VOL knob to control the microphone's volume.
- The mixer may include a 'talkover' function, which automatically lowers the music volume when the microphone is in use, allowing vocals to be heard clearly.

## Sound Effects

The mixer includes integrated sound effects. Use the dedicated buttons to trigger effects and the SPEED knob to adjust their characteristics.

## MAINTENANCE

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### Cleaning

- Disconnect the mixer from power before cleaning.
- Use a soft, dry cloth to wipe down the exterior.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the unit.

### Storage

- Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, use the original packaging to protect against dust and physical damage.

## TROUBLESHOOTING

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If you encounter issues with your Vonyx STM2270 mixer, refer to the following common problems and solutions:

- **No Power:**
  - Check if the power adapter is securely connected to both the mixer and the electrical outlet.
  - Verify that the power outlet is functional.
- **No Sound Output:**
  - Ensure the Master Fader is raised.

- Check that individual Channel Faders are raised and not muted.
  - Verify all audio cables are correctly connected to the mixer's inputs and outputs, and to your sound system.
  - Confirm the correct input source is selected for each channel.
- **Distorted Audio:**
    - Reduce the Gain control for the input channel to prevent clipping (indicated by red LEDs on the level meter).
    - Check the volume levels on your connected audio sources.
    - Inspect audio cables for damage or loose connections.
- **Bluetooth Connection Issues:**
    - Ensure the mixer's Bluetooth function is active and in pairing mode.
    - Make sure your external device's Bluetooth is enabled and searching for devices.
    - Move your device closer to the mixer to ensure it's within range.
    - Try unpairing and re-pairing the device.
- **Humming/Noise in Headphones:**
    - Ensure all connections are secure.
    - Test with different headphones to rule out headphone issues.
    - Check for potential ground loops or interference from other electronic devices nearby.

## SPECIFICATIONS

Feature	Specification
Brand	Vonyx
Model	STM2270
Number of Channels	2 (with multiple inputs per channel)
Frequency Response	20 Hz - 20 KHz
THD (Total Harmonic Distortion)	< 0.05%
Equalizer (EQ)	Highs: $\pm 10$ dB, Lows: $\pm 10$ dB
Microphone Input	10 mV / 10 K Ohm (6.3mm Jack)
Line Input	300 mV / 30 K Ohm
Phono Input	15 mV / 22 K Ohm
Master Output	2 V / 400 Ohm (RCA)
Headphone Impedance	16 - 32 Ohm
Signal-to-Noise Ratio	> 70 dB
Power Supply	14 V / 600 mA (AC Adapter)

Feature	Specification
Operating Voltage	220 Volt
Connectivity Technology	Bluetooth, USB
Dimensions (D x W x H)	24 cm x 20 cm x 6 cm

## WARRANTY AND SUPPORT

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This Vonyx STM2270 DJ Mixer is covered by a manufacturer's warranty, subject to the terms and conditions provided at the time of purchase. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact your retailer or the official Vonyx support channels. Refer to the product packaging or the Vonyx website for contact information.

Do not attempt to repair the unit yourself, as this may void your warranty and could result in electrical shock or damage to the device.