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VONYX STM-7010

VONYX STM-7010 4-Channel DJ Mixer User Manual

Model: STM-7010
Brand: VONYX

Introduction

The Vonyx STM-7010 is a high-quality 4-channel DJ mixer designed for comprehensive audio control. This manual provides detailed instructions for setting up, operating, and maintaining your STM-7010 mixer to ensure optimal performance and longevity. It covers all essential functions, connections, and troubleshooting tips.

Important Safety Instructions

- Read all instructions carefully before operating the unit.
- Keep this manual for future reference.
- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Ensure proper ventilation. Do not block ventilation openings.
- Connect only to a grounded mains socket outlet.
- Protect the power cord from being walked on or pinched.
- Unplug the unit during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

Key Features

- Advanced Mixing Capabilities: 4-channel DJ mixer with comprehensive cue and crossfader system, including channel assign switches for seamless transitions.
- Extensive Input Flexibility: Five stereo RCA line inputs, two phono inputs, and USB connectivity for various audio sources.
- Enhanced Vocal Performance: Two microphone inputs with dedicated 2-band EQ and switchable talkover function.

- High-Quality Audio Output: Master, monitor, and record output connections for routing mixes to different systems.
- User-Friendly Design: Intuitive controls and layout for straightforward management of multiple audio sources.

Controls and Functions

Front Panel Overview



Figure 1: Front Panel Layout of the STM-7010 Mixer. This image displays the main control surface, including input channels, EQ knobs, faders, and master controls.



Figure 2: Angled View of the STM-7010 Mixer. This perspective shows the overall compact design and the arrangement of knobs and faders.

Channel Controls (CH1-CH4)

- **GAIN:** Adjusts the input level for each channel.
- **HIGH/MID/LOW EQ:** Three-band equalizer knobs to adjust the treble, midrange, and bass frequencies for each channel.
- **LEVEL Meter:** LED indicators showing the output level of each channel.
- **Input Selector:** Switches between different inputs (e.g., PHONO, LINE, USB) for each channel.
- **Channel Fader:** Controls the volume level of each individual channel.
- **CUE Button:** Sends the channel's audio to the headphone monitor for pre-listening.

Microphone Section

- **DJ MIC Input:** XLR/TRS combo jack for connecting a microphone.
- **MIC GAIN:** Adjusts the input level for the microphone.
- **MIC EQ (HIGH/LOW):** Two-band equalizer for microphone audio.

- **TALKOVER:** Activates the talkover function, which automatically lowers the music volume when the microphone is used.
- **MIC ON/OFF:** Toggles the microphone signal on or off.

Master and Monitor Section

- **MASTER LEVEL:** Controls the overall output volume of the mixer.
- **MASTER LEVEL Meter:** LED indicators showing the main output level.
- **MONO/BALANCE:** Adjusts the stereo balance or switches to mono output.
- **CUE LEVEL:** Adjusts the volume of the headphone monitor output.
- **CUE MIX:** Blends between the CUE signal and the master output in the headphones.
- **HEADPHONE Output:** 1/4-inch jack for connecting headphones.

Crossfader Section

- **Crossfader:** Smoothly blends between channels assigned to side A and side B.
- **ASSIGN A/B Switches:** Assigns channels to either side A or side B of the crossfader.

Rear Panel Connections



Figure 3: Rear Panel Connections of the STM-7010 Mixer. This image details the various audio inputs (RCA, USB) and outputs (XLR, RCA) available on the unit.



Figure 4: Detailed View of Rear Panel Inputs and Outputs. This close-up highlights the XLR master outputs, RCA inputs for various channels, and the USB port.

- **MASTER OUTPUT (XLR/RCA):** Balanced XLR and unbalanced RCA outputs for connecting to main PA systems or amplifiers.
- **MONITOR OUTPUT (RCA):** RCA output for connecting to monitor speakers.
- **REC OUTPUT (RCA):** RCA output for connecting to a recording device.
- **INPUTS (RCA):** Multiple RCA inputs for connecting CD players, turntables (PHONO), and other line-level devices.
- **USB IN/OUT:** USB port for connecting to a computer for digital audio playback or recording.
- **MIC 1/2 (TRS):** Additional 1/4-inch TRS microphone inputs.
- **GND Terminal:** Grounding terminal for turntables to reduce hum.
- **POWER Inlet:** IEC power connector for the mains power cable.

- **POWER Switch:** Turns the unit on or off.

Setup Guide

1. **Power Connection:** Connect the supplied power cable to the POWER inlet on the rear panel and then to a suitable grounded mains outlet. Ensure the power switch is in the OFF position before connecting.
2. **Master Output Connection:** Connect your main PA system or amplifier to the MASTER OUTPUT (XLR or RCA) on the rear panel.
3. **Monitor Output Connection:** If using separate monitor speakers, connect them to the MONITOR OUTPUT (RCA).
4. **Recording Device Connection:** For recording your mix, connect a recording device to the REC OUTPUT (RCA).
5. **Input Device Connection:**
    - Connect turntables to the PHONO inputs and ensure the input selector switch for that channel is set to PHONO. Connect the turntable's ground wire to the GND terminal.
    - Connect CD players, media players, or other line-level devices to the LINE inputs and set the input selector switch to LINE.
    - Connect a computer via the USB IN/OUT port for digital audio playback or recording.
6. **Microphone Connection:** Connect your DJ microphone to the DJ MIC input (XLR/TRS combo) on the front panel or MIC 1/2 (TRS) on the rear panel.
7. **Headphone Connection:** Plug your headphones into the HEADPHONE output on the front panel.
8. **Power On:** Once all connections are secure, switch the POWER button to the ON position.

Operating Instructions

Basic Mixing

1. Ensure all GAIN and LEVEL controls are at their minimum before starting.
2. Select the desired input source (PHONO/LINE/USB) for each channel using the input selector switch.
3. Start playback on your source device.
4. Slowly increase the GAIN control for the active channel until the channel's LEVEL meter shows a strong signal without peaking (red LEDs).
5. Adjust the channel's EQ knobs (HIGH, MID, LOW) to shape the sound.
6. Slowly raise the Channel Fader to bring the audio into the mix.
7. Adjust the MASTER LEVEL control to set the overall output volume. Monitor the MASTER LEVEL meter to avoid clipping.

Using the Cue Function

1. Press the CUE button on the channel you wish to pre-listen to.
2. Adjust the CUE LEVEL knob to set the headphone volume.
3. Use the CUE MIX knob to blend between the CUE signal (pre-fader) and the master output (post-fader) in your

headphones. This allows you to beatmatch or prepare the next track without affecting the main output.

Using the Crossfader

1. Assign channels to either side A or side B of the crossfader using the ASSIGN A/B switches located above the crossfader.
2. Move the crossfader from one side to the other to smoothly transition between the assigned channels.

Microphone Operation

1. Connect your microphone to the DJ MIC input or MIC 1/2.
2. Press the MIC ON/OFF button to activate the microphone.
3. Adjust the MIC GAIN knob to set the microphone input level.
4. Use the MIC EQ (HIGH/LOW) knobs to adjust the microphone's tone.
5. If desired, activate the TALKOVER function to automatically reduce music volume when speaking into the microphone.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use abrasive cleaners or solvents.
- **Dust:** Keep the unit free from dust. Use compressed air to clear dust from faders and knobs if they become stiff or noisy.
- **Crossfader Replacement:** The crossfader is designed to be replaceable. If it wears out, consult a qualified technician or the manufacturer for replacement instructions.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Faulty outlet	Check power cable connection; Ensure power switch is ON; Test outlet with another device
No sound output	Master level too low; Incorrect input selection; Cables not connected properly; Amplifier/speakers off	Increase MASTER LEVEL; Verify input selector switch; Check all audio cables; Ensure external audio equipment is on and working
Distorted sound	Input GAIN too high; Output MASTER LEVEL too high; Faulty cables	Reduce GAIN for channels; Lower MASTER LEVEL; Replace suspect cables
Microphone not working	MIC ON/OFF switch off; MIC GAIN too low; Faulty microphone/cable	Press MIC ON/OFF; Increase MIC GAIN; Test with another microphone/cable

Problem	Possible Cause	Solution
Humming/buzzing noise	Ground loop; Unshielded cables; Turntable not grounded	Ensure all equipment is on the same power circuit; Use shielded cables; Connect turntable ground wire to GND terminal

Specifications

Feature	Detail
Product Dimensions	40.5 x 38.5 x 18 cm
Weight	5.2 kg
Manufacturer	Tronios B.V.
ASIN	B019HOFS5Q
Country of Origin	China
Inputs	5x Stereo RCA Line, 2x Phono, USB, 2x Mic (XLR/TRS combo, TRS)
Outputs	Master (XLR/RCA), Monitor (RCA), Record (RCA), Headphone (1/4-inch)
Channels	4

Warranty and Support

The VONYX STM-7010 DJ Mixer comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including the warranty period and coverage details. For technical support, service, or inquiries regarding your product, please contact your retailer or the official VONYX support channels.
For the most up-to-date support information, please visit the official VONYX website or contact their customer service department.

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