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## Stanton RM50

# Stanton RM-50 DJ Mixer User Manual

Comprehensive instructions for setup, operation, and maintenance of your Stanton RM-50 DJ Mixer.

## 1. INTRODUCTION

Thank you for choosing the Stanton RM-50 DJ Mixer. This professional 19-inch rackmount mixer is designed for reliable performance and versatile audio control in various DJ and live sound environments. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your device. Please read this manual thoroughly before operating the unit.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- 9 line, 4 phono, 4 mic inputs for extensive connectivity.
- 3-band master EQ with complete kill (+9/-60 dB) for precise sound shaping.
- Dedicated Booth output for monitoring.
- Fader start capability for seamless track transitions.
- Fully assignable crossfader (A, B, bypass) for flexible mixing.
- Balanced XLR master output for professional audio connections.

### 2.2 Front Panel Layout

The Stanton RM-50 features an intuitive front panel designed for ease of use during live performances. Familiarize yourself with the controls shown below.



Figure 1: Front panel view of the Stanton RM-50 DJ Mixer.

### Detailed Description of Front Panel Controls:

- **Microphone Section (Left Side):** Features inputs for MIC 1 (XLR) and MIC 2 (1/4" jack). Each microphone input has dedicated HIGH, MID, and LOW EQ controls, along with individual LEVEL knobs. A MIC ON/OFF switch is also present.
- **Program (PGM) Channels 1-4:** Each of the four program channels includes a LINE/PHONO input selector switch, GAIN control, 3-band EQ (HIGH, MID, LOW), and a channel fader. A CUE button allows for pre-listening through headphones.
- **Crossfader:** Located at the bottom center, this fader allows for smooth transitions between channels assigned to A and B. An assign switch for each channel determines if it's routed to A, B, or bypass.
- **Master Section (Right Side):** Includes controls for MASTER LEVEL, BOOTH LEVEL, and HEADPHONE LEVEL. The 3-band master EQ (HIGH, MID, LOW) with kill switches is also located here. LED VU meters provide visual feedback of the master output level.
- **Headphone Jack:** A 1/4" stereo jack for connecting headphones for monitoring.

## 3. SETUP

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### 3.1 Rack Mounting

The Stanton RM-50 is designed for standard 19-inch rack mounting. Secure the mixer using appropriate rack screws (not included) into a stable equipment rack. Ensure adequate ventilation around the unit to prevent overheating.

### 3.2 Audio Connections

1. **Input Sources:** Connect your turntables to the PHONO inputs and CD players, media players, or other line-level devices to the LINE inputs on the rear panel. Ensure the corresponding LINE/PHONO switch on the front panel is set correctly for each channel.
2. **Microphones:** Connect dynamic microphones to the MIC 1 (XLR) or MIC 2 (1/4" jack) inputs on the front panel.
3. **Master Output:** Connect the balanced XLR MASTER OUT to your main amplifier or powered speakers.
4. **Booth Output:** Connect the BOOTH OUT to your monitor speakers or a separate amplifier for booth monitoring.
5. **Headphones:** Plug your headphones into the 1/4" HEADPHONE jack on the front panel.

### 3.3 Power Connection

Connect the provided power cord to the AC input on the rear of the mixer and then to a suitable power outlet. Ensure all connections are secure before powering on the unit.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Powering On/Off

Always ensure all volume controls (Master, Booth, Channel Faders) are set to their minimum position before powering on or off the mixer to prevent sudden loud noises or potential damage to speakers.

- **To Power On:** Press the POWER switch located on the rear panel.
- **To Power Off:** Press the POWER switch again.

## 4.2 Basic Mixing

1. **Input Selection:** For each channel, select LINE or PHONO using the switch above the GAIN knob, corresponding to your connected source.
2. **Gain Adjustment:** Adjust the GAIN knob for each active channel until the signal level is strong but not clipping (indicated by the channel's peak LED).
3. **Channel Faders:** Slowly raise the channel fader for the desired audio source.
4. **Master Output:** Adjust the MASTER LEVEL knob to control the overall output volume to your main sound system.
5. **Booth Output:** Adjust the BOOTH LEVEL knob for your monitor speakers.
6. **Headphone Monitoring:** Press the CUE button on any channel to pre-listen to its audio through your headphones. Adjust the HEADPHONE LEVEL knob for comfortable listening.

## 4.3 Equalization (EQ)

- **Channel EQ:** Use the HIGH, MID, and LOW knobs on each channel to adjust the tonal characteristics of individual audio sources.
- **Master EQ:** The 3-band master EQ allows for overall tonal adjustment of the mixed output. The kill switches provide a complete cut (-60 dB) for dramatic effects.

## 4.4 Crossfader Operation

The crossfader allows for smooth transitions between channels assigned to either side A or B. Use the assign switches above each channel fader to route the channel to A, B, or bypass the crossfader entirely.

- Move the crossfader to the left to hear channels assigned to A.
- Move the crossfader to the right to hear channels assigned to B.
- Center position blends both A and B channels.

## 4.5 Microphone Usage

Connect your microphone, then press the MIC ON/OFF switch to activate the microphone channel. Adjust the MIC LEVEL knob and the HIGH, MID, LOW EQ controls for the desired sound. Be mindful of feedback when using microphones.

# 5. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your Stanton RM-50 DJ Mixer.

- **Cleaning:** Regularly wipe the exterior of the mixer with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or waxes. Do not spray liquids directly onto the unit.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Dust accumulation can lead to overheating.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, protected from dust and extreme temperatures.
- **Fader Care:** Keep faders and knobs free from dust and debris. Specialized fader lubricants can be used if faders become stiff or noisy, but consult a professional if unsure.

# 6. TROUBLESHOOTING

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If you encounter issues with your RM-50 mixer, refer to the following common problems and solutions before contacting support.

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> <li>• Power not connected or switched on.</li> <li>• Master/channel faders down.</li> <li>• Incorrect input selection.</li> <li>• Cables not connected properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Check power connection and switch.</li> <li>• Raise Master and channel faders.</li> <li>• Verify LINE/PHONO switch setting.</li> <li>• Ensure all audio cables are securely connected.</li> </ul>
Distorted sound	<ul style="list-style-type: none"> <li>• Input GAIN too high.</li> <li>• Master output level too high.</li> <li>• Damaged cables.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce input GAIN until peak LEDs no longer clip.</li> <li>• Lower MASTER LEVEL.</li> <li>• Replace suspect cables.</li> </ul>
Microphone feedback	<ul style="list-style-type: none"> <li>• Microphone too close to speakers.</li> <li>• Microphone gain too high.</li> <li>• EQ settings boosting frequencies excessively.</li> </ul>	<ul style="list-style-type: none"> <li>• Reposition microphone or speakers.</li> <li>• Reduce MIC LEVEL.</li> <li>• Adjust MIC EQ to cut problematic frequencies.</li> </ul>

## 7. SPECIFICATIONS


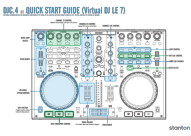
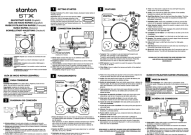



Below are the technical specifications for the Stanton RM-50 DJ Mixer:

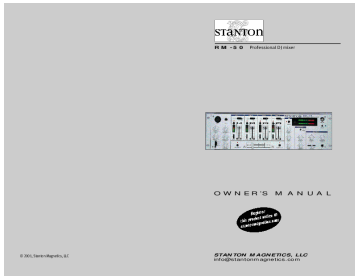
- **Brand:** Stanton
- **Model Number:** RM50
- **Product Dimensions:** 48.26 x 13.49 x 21.01 cm (19 x 5.3 x 8.3 inches)
- **Item Weight:** 3.39 kg (7.47 lbs)
- **Number of Channels:** 4
- **Power Source:** Corded Electric
- **Output Connector Type:** XLR (Balanced Master Output)
- **Inputs:** 9 Line, 4 Phono, 4 Mic
- **EQ:** 3-band master EQ with kill (+9/-60 dB)
- **Crossfader:** Fully assignable (A, B, bypass)
- **Additional Outputs:** Booth Output

## 8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Stanton website. For technical support or service inquiries, please contact Stanton customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

You can find more information and support resources on the [Stanton Store on Amazon](#).

 <p>stanton STANTON AUDIO, INC. www.stanton.com</p>	<p><a href="#">Stanton M.303 Professional DJ Mixer Owner's Manual</a></p> <p>Comprehensive owner's manual for the Stanton M.303 Professional DJ Mixer, covering functions, technical specifications, maintenance, and warranty information.</p>
	<p><a href="#">Stanton DJC.4 Quick Start Guide for Virtual DJ LE 7</a></p> <p>Get started quickly with the Stanton DJC.4 Virtual DJ Controller and Virtual DJ LE 7 software. This guide covers unpacking, setup, system requirements, connections, and software installation for digital DJs.</p>
	<p><a href="#">Stanton STX Quickstart Guide: Setup, Features, and Connections</a></p> <p>Concise HTML guide for the Stanton STX turntable, covering package contents, connection diagram, key features, and basic operation. Includes multilingual content merged into English.</p>
	<p><a href="#">Stanton STX User Guide: Portable Scratch Turntable</a></p> <p>Comprehensive user guide for the Stanton STX portable scratch turntable, covering setup, features, connections, technical specifications, and usage instructions.</p>
	<p><a href="#">Stanton STX User Guide</a></p> <p>This user guide provides comprehensive instructions for setting up and operating the Stanton STX portable DJ player, detailing its features, connections, and technical specifications for optimal performance.</p>
	<p><a href="#">VirtualDJ 8 Stanton DJC.4 Operation Guide</a></p> <p>This operation guide provides detailed instructions for using the VirtualDJ 8 software with the Stanton DJC.4 controller, covering installation, setup, hardware layout, mixer functions, deck controls, effects, loops, hotcues, samples, and audio configurations.</p>



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Jands Pty Ltd - ABN 45 001 187 837			
Spare Parts Pricelist			
Australian Dollars			
Part Code	Description	Qty	RRP excl GST
ASM-AXIS-ENC	Axis Encoder Encoder	EACH	1,500.00
ASM-AXIS-CC	Axis Controller Unit	EACH	1,000.00
BSS-05-1000-05	Standard PCB 1000 05	EACH	800.00
BSS-05-1001	Power Supply 1000 01	EACH	1,000.00
BSS-05-1002	Standard PCB 1000 02	EACH	1,000.00
BSS-05-1003	Power PCB 1000 03	EACH	1,000.00
BSS-05-1004	Power PCB 1000 04	EACH	1,000.00
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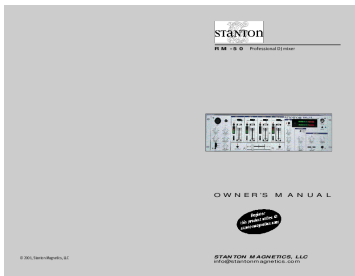
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PRO80;PRO100 Crossfader For PRO30 Crossfader For **RM50**; RM80; RM100

Crossfader For RM22 Crossfader Replaces CFRM3 For RM3 and RM3S Crossfader

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