

JBSYSTEMS MIX 6 USB

JB Systems MIX-6 USB DJ Mixer User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your JB Systems MIX-6 USB DJ Mixer. Please read this manual thoroughly before use and retain it for future reference. The MIX-6 USB is a compact and robust 19-inch DJ mixer designed for professional and home use, offering versatile connectivity and control for your audio mixing needs.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following safety precautions:

- **Power Supply:** Always connect the mixer to a grounded power outlet with the correct voltage as specified on the unit. Disconnect power before cleaning or servicing.
- **Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Keep liquids away from the mixer.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings. Avoid placing the mixer on carpets or other materials that may obstruct airflow.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel. Opening the unit may expose you to dangerous voltages or other hazards.
- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Placement:** Place the mixer on a stable, level surface to prevent it from falling.

3. PRODUCT OVERVIEW

The JB Systems MIX-6 USB is a versatile 6-channel DJ mixer equipped with a bidirectional USB sound card, allowing for both playback and recording simultaneously. It features:

- 4 input channels with smooth 60mm dual-rail DJ faders.
- 2 separate DJ microphone inputs with 3-band EQ, on-air switch, and adjustable talkover.
- A dedicated 3.5mm stereo input on the front panel for easy connection of MP3 players or other portable devices.
- Gain, Treble, Mid, Bass controls, and peak indicators on all channels.
- A smooth 45mm dual-rail crossfader with adjustable curve and on/off switch.

- Two master outputs, including Master 1 with balanced XLR outputs.
- LED VU meters with CUE/master comparison function.
- Pre-fader listening (PFL) with cue mix and mix/split options.



Figure 3.1: Front and top view of the JB Systems MIX-6 USB DJ Mixer, showing the main control surface with faders, knobs, and LED meters.



Figure 3.2: Angled view of the MIX-6 USB mixer, highlighting its compact 19-inch rack-mountable design.



Figure 3.3: Detailed top view of the MIX-6 USB mixer, showing the layout of input channels, microphone controls, and master section.



Figure 3.4: Rear panel of the MIX-6 USB mixer, displaying various input and output connections including XLR master outputs, RCA inputs, and USB port.

4. SETUP

4.1 Unpacking and Inspection

Carefully remove the mixer from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. If any damage is found, contact your dealer immediately.

4.2 Connecting Power

Connect the provided power cable to the AC MAINS input on the rear panel of the mixer and then to a suitable grounded electrical outlet. Ensure the power switch is in the OFF position before connecting.

4.3 Audio Connections

The MIX-6 USB offers various input and output options:

- **Input Channels (1-4):** Connect your audio sources (CD players, turntables, media players) to the RCA LINE or

PHONO inputs on the rear panel. Ensure the correct input type (LINE/PHONO) is selected via the switch on the top panel for each channel.

- **Microphone Inputs (MIC 1, MIC 2):** Connect dynamic microphones to the XLR/TRS combo jacks on the rear panel.
- **Front Panel Input:** Use the 3.5mm stereo input on the front panel for quick connection of portable devices.
- **Master Outputs:** Connect your main sound system to the MASTER OUTPUTs. Master 1 offers balanced XLR outputs for professional connections, while Master 2 provides unbalanced RCA outputs.
- **Booth Output:** Connect your monitor speakers to the BOOTH output (RCA).
- **Record Output:** Use the RECORD output (RCA) to connect to a recording device.

4.4 USB Connection

Connect the mixer to your computer using a standard USB cable. The MIX-6 USB functions as a bidirectional audio interface, allowing you to play audio from your computer through the mixer and record the mixer's output to your computer simultaneously. No special drivers are typically required for most operating systems.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

After all connections are made, switch the power button on the rear panel to the ON position. Always power on your mixer before amplifiers and power off amplifiers before the mixer to prevent speaker damage.

5.2 Channel Controls

- **GAIN:** Adjusts the input sensitivity for each channel. Set this so the peak indicator occasionally flashes during the loudest parts of the audio.
- **EQ (HIGH, MID, LOW):** Adjusts the treble, mid-range, and bass frequencies for each channel.
- **FADER:** Controls the volume level of each channel.
- **CUE:** Activates pre-fader listening (PFL) for the channel, allowing you to monitor the audio through headphones without it being sent to the main output.

5.3 Microphone Operation

The MIX-6 USB features two dedicated microphone channels:

- **LEVEL:** Adjusts the microphone volume.
- **EQ (HIGH, MID, LOW):** Adjusts the tone of the microphone signal.
- **ON/OFF Switch:** Activates or deactivates the microphone.
- **TALKOVER:** When activated, this feature automatically ducks the music volume when you speak into the microphone, making your voice more prominent. The ducking level is adjustable.

5.4 Crossfader Usage

The 45mm dual-rail crossfader allows for smooth transitions between channels assigned to its A and B sides. Use the CF ASSIGN switches to assign channels to either side of the crossfader. The CF SLOPE control adjusts the crossfader curve, from a smooth fade to a sharp cut.

5.5 Master Output and Monitoring

- **MASTER LEVEL:** Controls the overall output volume of the mixer.
- **BOOTH LEVEL:** Adjusts the volume for your monitor speakers connected to the Booth output.
- **CUE VOLUME:** Adjusts the volume of the headphone output.
- **CUE MIX/SPLIT:** Allows you to blend the CUE signal with the master output in your headphones (MIX) or split them between left and right ears (SPLIT).

- **VU METERS:** Display the output level of the master signal. Use the CUE/MASTER switch to monitor either the pre-fader cue signal or the master output.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the mixer with a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish and controls. Ensure the unit is powered off and unplugged before cleaning.

6.2 Fader Care

The faders are precision components. Avoid spilling liquids on them. If faders become stiff or noisy, specialized fader lubricant sprays can be used, but it is recommended to consult a qualified technician for proper application.

6.3 Storage

When not in use for extended periods, store the mixer in a dry, dust-free environment, preferably in its original packaging or a protective case.

7. TROUBLESHOOTING

If you encounter issues with your MIX-6 USB mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected; 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; Input source not connected/playing; Incorrect channel input selected; Amplifier off/disconnected	Increase MASTER LEVEL; Verify input source is connected and playing; Check LINE/PHONO switch; Ensure amplifier is on and connected.
Distorted audio	GAIN levels too high; Cables faulty; Input source signal too strong	Reduce GAIN levels to prevent clipping (peak indicator flashing constantly); Check/replace audio cables; Lower output level of the input source.
USB audio not working	USB cable disconnected; Incorrect audio device selected on computer; Computer driver issue	Ensure USB cable is securely connected; Select MIX-6 USB as the audio input/output device in your computer's sound settings; Restart computer.
Microphone not working	Microphone OFF switch; LEVEL too low; Faulty microphone/cable	Ensure microphone ON switch is engaged; Increase MIC LEVEL; Test with another microphone/cable.

8. SPECIFICATIONS

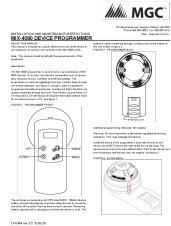


Feature	Specification
Model Number	MIX 6 USB
Dimensions (L x W x H)	17.91 x 18.29 x 10.39 cm (7.05 x 7.20 x 4.09 inches)
Weight	4 kg (8.82 lbs)
Number of Channels	6

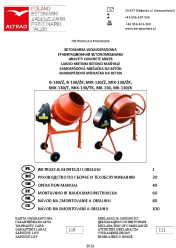
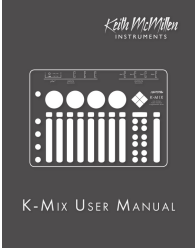

Feature	Specification
Hardware Interface	USB
Power Source	USB, AC Mains
Electrical Power	20 Watts
Connectivity Technology	USB, XLR, RCA
Audio Input	USB, RCA, 3.5mm Jack, XLR/TRS Combo
Manufacturer	JBSYSTEMS
First Available Date	October 10, 2012

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and service inquiries, please refer to the official JBSYSTEMS website or contact your authorized dealer. Keep your proof of purchase for warranty claims.

Related Documents - MIX 6 USB

	<p>Mircom MIX-4090 Device Programmer: Installation and Maintenance Guide</p> <p>Comprehensive guide for installing and maintaining the Mircom MIX-4090 Device Programmer, detailing its features, operation, address programming, and parameter reading for MIX-4000 series fire alarm devices.</p>
	<p>the t.mix mix 502 & mix 802 User Manual</p> <p>Comprehensive user manual for the t.mix mix 502 and mix 802 audio mixers by Thomann, covering features, installation, connections, controls, technical specifications, and safety instructions.</p>
	<p>WMF KULT X Mix & Go Blender User Manual</p> <p>Comprehensive user manual for the WMF KULT X Mix & Go blender, covering safety instructions, operation, cleaning, and maintenance for various models including Mix & Go, Mix & Go Duo, and Mix & Go Keep Cool.</p>

 <p>ALTRAD Gravity Concrete Mixer Manual</p> <p>Table of Contents:</p> <ul style="list-style-type: none"> 1. SAFETY INSTRUCTIONS 2. GENERAL INFORMATION 3. ASSEMBLY 4. OPERATION 5. MAINTENANCE 6. TROUBLESHOOTING 7. INDEX 	<p>ALTRAD Gravity Concrete Mixer Manual - Operation and Maintenance</p> <p>Comprehensive manual for ALTRAD gravity concrete mixers, including models B-130/Ž, B-130/ŽK, MIX-130/Ž, MIX-130/ŽK, MIX-130/T, MIX-130/TK, MK-130, and MK-130/K. Covers assembly, operation, safety, maintenance, and troubleshooting.</p>
 <p>Keith McMillen K-Mix User Manual</p>	<p>K-Mix User Manual</p> <p>Comprehensive user manual for the Keith McMillen K-Mix, detailing its features as an 8-in, 10-out audio interface and programmable mixer, including hardware operation, software editor, and MIDI control.</p>
 <p>KULT X Mix it Go, Mix it Go Duo, Mix it Go Duo Edition, Mix it Go Keep Cool</p> <p>Table of Contents:</p> <ul style="list-style-type: none"> 1. SAFETY INSTRUCTIONS 2. GENERAL INFORMATION 3. ASSEMBLY 4. OPERATION 5. MAINTENANCE 6. TROUBLESHOOTING 7. INDEX 	<p>WMF KULT X Mix & Go Blender User Manual</p> <p>This document provides comprehensive instructions for the WMF KULT X Mix & Go blender, covering safe operation, assembly, cleaning, and maintenance. It details the features of various models including Mix & Go, Mix & Go Duo, and Mix & Go Keep Cool.</p>