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D Debra DI-8UX

D Debra 8-Channel Audio Mixer (DI-8UX) User Manual

Model: DI-8UX

Introduction

The D Debra DI-8UX 8-Channel Audio Mixer is a versatile and efficient professional audio console designed for a wide range of applications, including DJing, karaoke, recording, live streaming, and more. This mixer features 99 DSP effects, USB/MP3 input capabilities, and 48V phantom power for condenser microphones. Its optimized design ensures reduced power consumption and a compact, lightweight form factor, making it suitable for both studio and on-the-go use. The intuitive controls and robust connectivity options provide a high-performance audio experience.

Safety Information

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the requirements of the mixer. Disconnect power during lightning storms or when unused for long periods.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Package Contents

Please check that all items listed below are included in your package:

- D Debra DI-8UX Audio Mixer
- Power Adapter (USB Cable, Corded Electric)
- User Manual (this document)

Product Overview

The DI-8UX mixer features a comprehensive layout for intuitive control over your audio. Below is an overview of its main components and their functions.



Figure 1: Front view of the D Debra DI-8UX Audio Mixer, showing all channels, controls, and display.

Key Components:

- **MIC/LINE Inputs (Channels 1-6):** XLR/TRS combo jacks for connecting microphones or line-level instruments.
- **+48V Phantom Power:** Button to supply 48V power to condenser microphones.
- **GAIN Control:** Adjusts the input sensitivity for each channel.
- **EQ Controls (HIGH, MID, LOW):** Three-band equalizer for shaping the tone of each channel.
- **FX Control:** Sends signal to the internal DSP effects processor.
- **PAN Control:** Adjusts the stereo position (left/right) of the channel signal.
- **PEAK LED:** Indicates when the input signal is too high, potentially causing distortion.
- **LEVEL Control:** Adjusts the output level of each channel to the main mix.
- **USB MP3 Player Section:** For USB drive playback and Bluetooth connectivity.
- **DSP Effects Section:** Digital effects processor with 99 presets.
- **MAIN METERS:** LED indicators showing the main stereo output level.
- **MAIN FADER:** Controls the overall volume of the main stereo output.
- **MONITOR Out:** RCA outputs for connecting to monitor speakers.

- **FX SEND:** Output for sending signal to external effects processors.
- **PHONE Output:** 3.5mm jack for headphones with dedicated level control.
- **STEREO Out (L/R):** XLR outputs for connecting to main PA systems or recording devices.

Setup

1. Power Connection

Connect the provided power adapter to the mixer's power input and then to a suitable power outlet. The mixer can also be powered via USB.

2. Connecting Microphones and Instruments

The DI-8UX offers versatile input options:

- **XLR Inputs:** Use XLR cables for microphones. For condenser microphones requiring power, press the**+48V Phantom Power** button.
- **TRS Inputs:** Use 1/4-inch TRS cables for line-level instruments (e.g., keyboards, guitars with preamps) or dynamic microphones.



Figure 2: Connecting a condenser microphone and enabling +48V phantom power.

3. USB/MP3 Playback

Insert a USB flash drive into the USB port in the MP3 player section. The mixer supports MP3/USB playback for various applications.



Figure 3: USB disk input for MP3 playback and recording.

4. Bluetooth Connection

The mixer features Bluetooth 5.0 for stable wireless audio streaming from your smartphone or other Bluetooth-enabled devices. To connect:

1. Ensure the mixer is powered on.
2. On the USB MP3 Player section, press the "MODE" button until "bt" (Bluetooth) is displayed.
3. On your device (smartphone, tablet), search for Bluetooth devices and select "D Debra Mixer" (or similar).
4. Once paired, you can stream audio wirelessly.



Figure 4: Wireless Bluetooth connection setup.

5. Connecting Output Devices

Connect the mixer's outputs to your sound system:

- **Main Stereo Out (XLR):** Connect to power amplifiers, active speakers, or recording interfaces.
- **Monitor Out (RCA):** Connect to monitor speakers for stage monitoring.
- **Phone Output (3.5mm):** Connect headphones for personal monitoring.

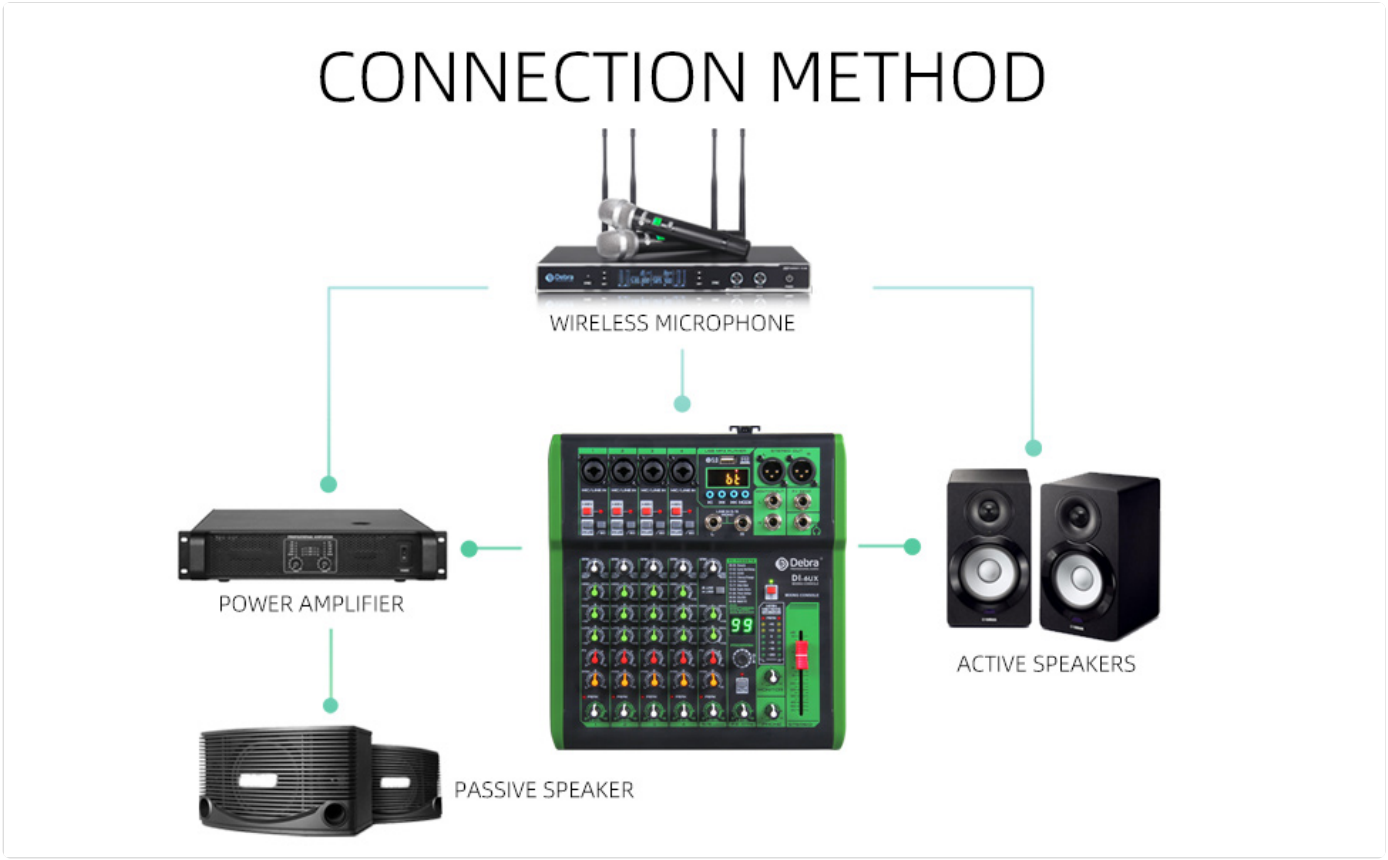


Figure 5: Typical connection methods for the DI-8UX mixer.

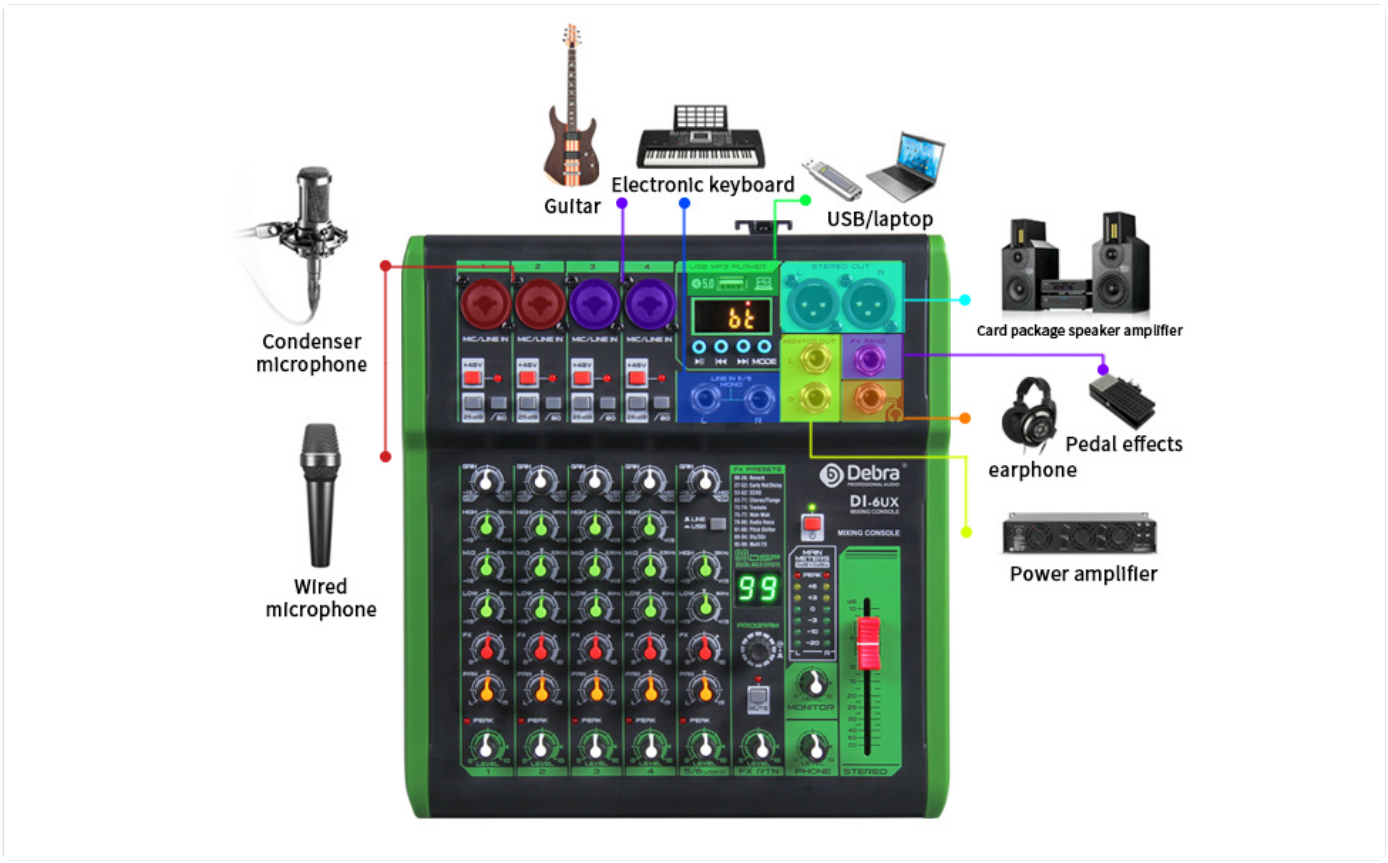


Figure 6: Comprehensive input and output device connections.

Operating Instructions

1. Channel Controls

- **GAIN:** Adjust this knob to set the input level for each channel. Aim for the PEAK LED to flash only occasionally during the loudest parts of the signal.
- **EQ (HIGH, MID, LOW):** Use these knobs to adjust the treble, midrange, and bass frequencies of each input.
- **FX:** Turn this knob to send a portion of the channel's signal to the internal DSP effects processor.
- **PAN:** Adjusts the stereo image of the channel, moving the sound between the left and right main outputs.
- **LEVEL:** Controls the volume of each individual channel in the main mix.



Figure 7: Damping knobs for precise audio adjustment.

2. DSP Effects (99 Effects)

The DI-8UX features 99 professional digital effects to enhance your sound. To select and apply effects:

1. Use the **PROGRAM** knob to scroll through the 99 available effects presets. The selected effect number will be displayed.
2. Adjust the **FX** knob on each channel to send the desired amount of signal to the effects processor.
3. Use the **FX RTN** (FX Return) knob to control the overall volume of the applied effect in the main mix.



Figure 8: The 99 DSP effects feature.

3. USB/MP3 Player Operation

Once a USB drive is inserted or Bluetooth is connected, use the control buttons in the USB MP3 Player section:

- **Play/Pause:** Start or pause playback.
- **Previous/Next:** Skip to the previous or next track.
- **MODE:** Switch between USB playback and Bluetooth mode.

4. Recording via USB

The DI-8UX can connect to a computer via USB for audio editing or recording. This allows you to capture your mix directly to a digital audio workstation (DAW) on your computer.



Figure 9: USB connection for digital integration and recording.

5. Main Output Control

The **MAIN FADER** controls the overall volume of the mixed audio signal sent to the main stereo outputs. Monitor the **MAIN METERS** to ensure your output level is not clipping (going into the red).

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the surface of the mixer. Do not use liquid cleaners or aerosols.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound output	◦ Power not connected or turned on. ◦ Main fader or channel levels are down. ◦ Output cables are not connected correctly. ◦ Connected speakers/amplifier are off or muted.	◦ Check power connection and switch. ◦ Raise main fader and individual channel LEVEL knobs. ◦ Verify all output cable connections. ◦ Ensure speakers/amplifier are on and unmuted.
No sound from a specific channel	◦ Channel LEVEL or GAIN is too low. ◦ Input source (mic/instrument) is not working or connected. ◦ +48V Phantom Power not enabled for condenser mic.	◦ Increase channel LEVEL and GAIN. ◦ Check input source and cable connection. ◦ Activate +48V Phantom Power for condenser microphones.
Distorted sound	◦ GAIN or LEVEL is too high (PEAK LED constantly lit). ◦ Input signal is too strong.	◦ Reduce GAIN or LEVEL until PEAK LED flashes only occasionally. ◦ Check the output level of the connected device.
Bluetooth connection issues	◦ Mixer not in Bluetooth mode. ◦ Device not paired or out of range.	◦ Press MODE button to select Bluetooth. ◦ Ensure device Bluetooth is on and within range. Re-pair if necessary.

SPECIFICATIONS

Feature	Specification
Model Number	DI-8UX
Product Dimensions	26 x 24.5 x 4.5 cm
Item Weight	128 g
Hardware Interface	Bluetooth, USB
Power Source	USB Cable, Corded Electric
Voltage	230 Volts
Number of Channels	8 (Note: While some specifications may list 4, the product is advertised as 8-channel)
Connectivity Technology	USB
Frequency Response	(20Hz-20KHz) +1dB / -3dB

Feature	Specification
Total Harmonic Distortion and Noise	< 0.007%
Microphone Input Equivalent Input Noise	22Hz-22KHz unweighted -128dB
Bus Noise	20Hz~20KHz < -85dB
Crosstalk Between Channels	Channel mute > 96dB
Input and Output Impedance (Microphone)	2.4KΩ
Input and Output Levels	+17dBu
Working Conditions (Temperature)	-10°C ~ +30°C
Relative Humidity	0%~80%
AC Input	110V~230V, 50 Hz
Energy Consumption	Less than 30W

Warranty and Support

Specific warranty information for the D Debra DI-8UX Audio Mixer is not provided in the product details. Please refer to the retailer or manufacturer's official website for warranty terms and conditions. For technical support or service inquiries, please contact D Debra customer service through their official channels.

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