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› D Debra DP-10 Professional 10-Channel Audio Mixer User Manual

D Debra DP-10

D Debra DP-10 Professional 10-Channel Audio Mixer

USER MANUAL

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your D Debra DP-10 Professional 10-Channel Audio Mixer. Designed for DJs, podcast producers, and karaoke professionals, this mixer offers precise control over multiple audio sources with high-quality sound and versatile connectivity. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

Product Features

- **Professional 10-Channel Mixer:** The DP-10 is a professional audio mixer with 10 channels, suitable for recording studios and live performances, offering precise control over multiple audio sources.
- **99 DSP Effects and 48V Phantom Power:** Enhance your sessions with 99 integrated DSP effects (reverb, echo, etc.) for podcasts, karaoke, or live sound. Includes +48V Phantom power for condenser microphones, ensuring reliable professional performance.
- **High-Quality, Low-Noise Sound:** With a frequency response of 20Hz-20KHz (+3dB) and ultra-low noise level (SNR ≥ 80 dB, THD $< 0.03\%$), this mixer ensures clear, professional sound. Its parametric equalizer (Highs +15dB/12KHz, Mids +15dB/2.5KHz, Lows +15dB/80KHz) allows detailed adjustments for each mix.
- **Advanced Connectivity with USB and Bluetooth:** Equipped with a USB audio interface for recording and PC connection, and Bluetooth for wireless streaming from iPhone, Android, or MP3 devices. The DP-10 offers total versatility with a 15-foot wireless range.
- **Intuitive Control for Any Scenario:** Features LED indicators, rotary knobs, and a 12-segment stereo level meter (-30 to +10, CLIP) for easy and precise handling. Ideal for bands, studios, or events, combining power and efficiency.

Setup

Before connecting any devices, ensure the mixer is powered off. Connect all audio sources and output devices securely.

1. Power Connection

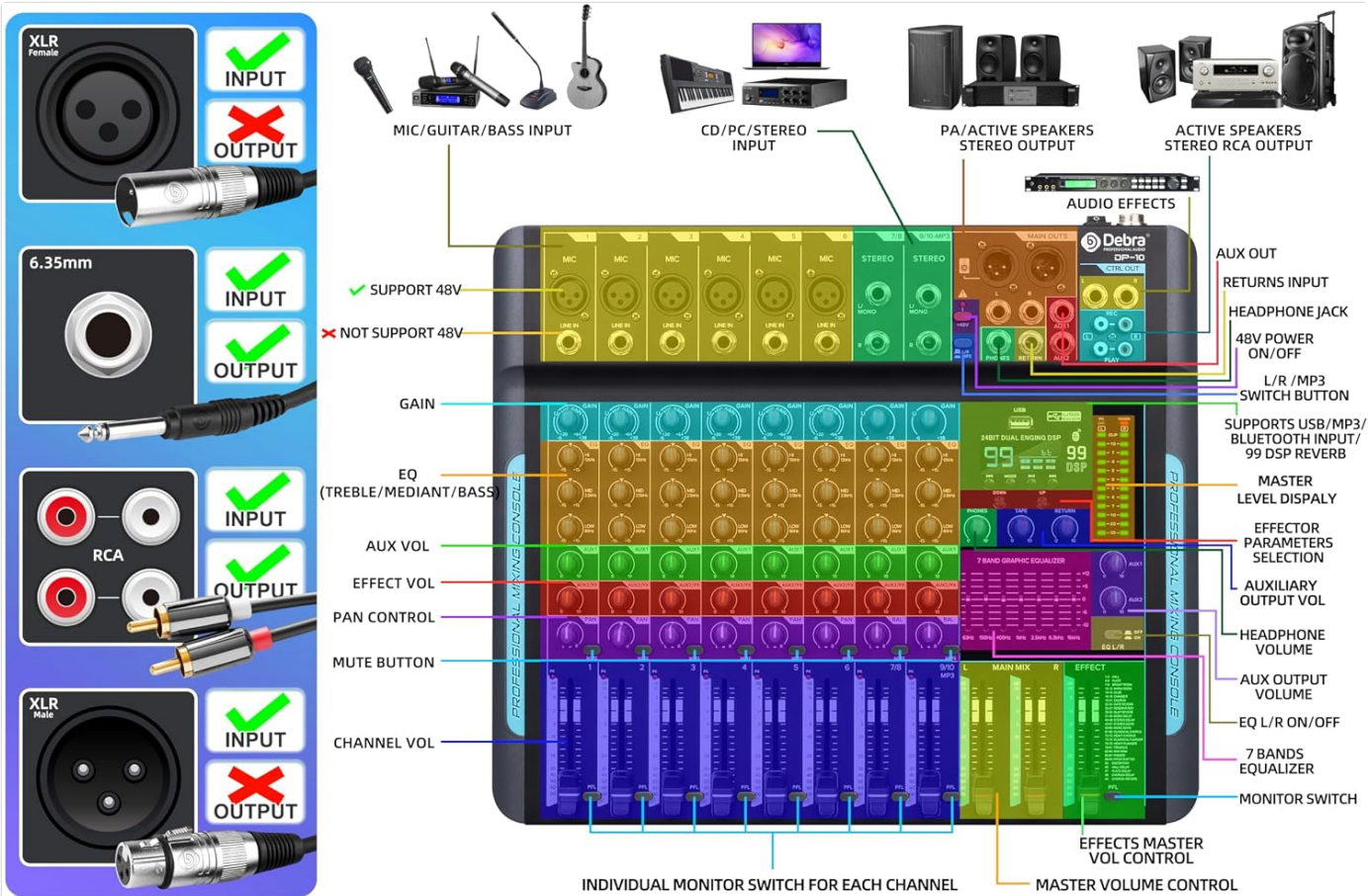
Connect the provided power adapter to the DC IN port on the rear of the mixer and then to a suitable power outlet. Use

only the original power adapter.

2. Input Connections

The DP-10 offers various input options:

- **Microphone Inputs (Channels 1-6):** Use XLR cables for condenser microphones (requiring +48V Phantom Power) or dynamic microphones. For condenser microphones, activate the +48V Phantom Power switch.
- **Line Inputs (Channels 1-6):** Use 6.35mm (1/4 inch) TS/TRS cables for instruments like guitars, keyboards, or other line-level devices.
- **Stereo Inputs (Channels 7/8, 9/10):** Use 6.35mm (1/4 inch) TRS cables for stereo line-level devices or RCA cables for devices like CD players.
- **USB/Bluetooth Input:** Connect a USB drive or pair a Bluetooth device for audio playback.



INPUT		OUTPUT	
Mic Input	6 x Mono XLR Input	Headphone Output	1 x 6.35mm Jack Output
Line Input	6 x 6.35mm Input	RCA Output	1 x RCA L/R Stereo Output
Stereo Input	1 x 6.35mm L/R Stereo Input	AUX Output	2 x 6.35mm AUX Output
RCA Input	1 x RCA L/R Stereo Input	Return/Send Output	2 x 6.35mm (Return/Send one each)
USB / Bluetooth	1 x USB Input , 1 x Bluetooth Input	Main Output	2 x 6.35mm Main Output
		Main Output	2 x XLR Main Output

Figure 1: Detailed diagram showing various input and output connections on the D Debra DP-10 mixer, including XLR, 6.35mm, and RCA ports.

99 DSP REVERB

High performance digital reverberation effect, outstanding realistic and natural sense to expand the spatial effect of sound



Figure 2: Examples of connecting various audio devices such as condenser microphones, wired microphones, guitars, electronic keyboards, speakers, headphones, and USB/phone to the DP-10 mixer.

3. Output Connections

- **Main Outputs (L/R):** Use XLR or 6.35mm (1/4 inch) cables to connect to active speakers or a power amplifier.
- **Headphone Output:** Connect headphones using a 6.35mm (1/4 inch) jack for monitoring.
- **AUX Output:** For sending audio to external effects processors or monitors.
- **Return/Send Output:** For connecting external effects units.
- **USB Output:** Connect to a computer for recording or playback.

+48V POWER SUPPLY



Figure 3: The +48V Phantom Power switch on the mixer, used to provide power to condenser microphones for optimal performance.



Figure 4: Illustrates connecting the DP-10 mixer to a computer via USB for recording and editing audio data.

4. Initial Power On

Once all connections are made, turn on the mixer using the POWER switch on the rear panel. Adjust volume levels gradually to avoid sudden loud sounds.

Operating Instructions

The DP-10 mixer provides comprehensive controls for each channel and master output.

1. Channel Controls (Channels 1-10)

- **GAIN:** Adjusts the input sensitivity for each channel. Set this to an appropriate level to prevent clipping (indicated by the CLIP LED).
- **EQ (High, Mid, Low):** Three-band equalizer for adjusting the treble, midrange, and bass frequencies of each channel.
- **AUX:** Controls the level of the signal sent to the AUX output.
- **EFFECT VOL:** Adjusts the amount of the selected DSP effect applied to the channel.
- **PAN:** Adjusts the stereo position (left/right) of the channel.
- **MUTE:** Silences the individual channel. Each channel has a separate mute button with an indicator light.

- **CHANNEL VOL (Fader):** Controls the output volume of the individual channel.



Figure 5: Overview of the D Debra DP-10 mixer's control panel, showing individual channel controls, master section, and DSP effects display.

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BAND GRAPHIC EQUALIZATION

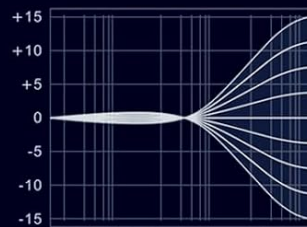
Easily control the overall smoothness of the music, so that the sound quality is fuller.



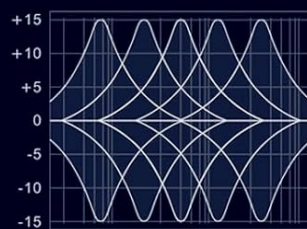
Figure 6: Close-up of the 7-band graphic equalizer on the DP-10 mixer, allowing fine-tuning of the overall sound quality.

HIGH/MIDDLE/LOW

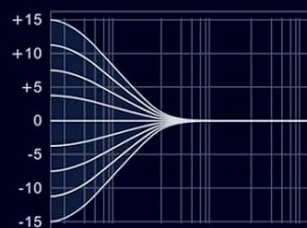
Mono three stage equalization independent regulation



HI EQ $\pm 15\text{sB}$ boost/cut
above 12kHz



Mid EQ sweeps from 250Hz
to 6KHz, $\pm 15\text{sB}$ boost/cut



Lo EQ $\pm 15\text{sB}$ boost/cut
below 80kHz



Figure 7: Detailed curves illustrating the boost/cut ranges for the High, Mid, and Low frequency bands of the parametric equalizer on the DP-10 mixer.

2. Master Section Controls

- **MAIN MIX Faders (L/R):** Controls the overall output volume of the main stereo mix.
- **EFFECTS VOL Control:** Adjusts the master level of the selected DSP effect.
- **DSP Display and Controls:** Use the UP/DOWN buttons to select from 99 DSP effects. The display shows the current effect number.
- **7-Band Graphic Equalizer:** Provides additional control over the overall frequency response of the main mix.
- **Level Meter:** 12-segment LED meter displays the output level of the main mix. Adjust faders to keep levels below the CLIP indicator.

ONE-CLICK MUTE

Each way has a separate mute button and an indicator light display, which makes it easy to work in the dark



Figure 8: Close-up of the mute buttons and their indicator lights on the DP-10 mixer, allowing individual channel silencing.

BLUETOOTH 5.0

Wireless transmission of music is more stable



Figure 9: The Bluetooth 5.0 feature of the DP-10 mixer, enabling stable wireless music transmission from compatible devices like smartphones.



Figure 10: The 99 DSP reverb effects available on the DP-10 mixer, offering a wide range of high-performance digital reverberation effects to enhance sound.

3. USB and Bluetooth Operation

- **USB Playback:** Insert a USB drive with audio files into the USB port. Use the display controls (MODE, UP, DOWN, PLAY/PAUSE) to navigate and play tracks.
- **Bluetooth Pairing:** Press the MODE button until 'bt' appears on the display. On your device (smartphone, tablet), search for 'MV_BT10' and pair. Audio from your device will now stream wirelessly to the mixer. Control Bluetooth volume via channel 9/10.
- **USB Recording:** Connect the mixer to a computer via USB. The mixer will act as an audio interface. Use your preferred DAW (Digital Audio Workstation) software to record the main mix output.

Your browser does not support the video tag.

Video 1: A brief overview of the D Debra DP-10 Audio Mixer, showcasing its design and key features like USB connectivity and DSP effects. This video provides a visual introduction to the product.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your DP-10 mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes. Do not allow liquids to enter the unit.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If storing for extended periods, cover the unit to protect it from dust.
- **Ventilation:** Ensure proper ventilation around the mixer to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Regularly check all cables for damage. Replace any frayed or damaged cables immediately to prevent electrical hazards or signal loss.

Troubleshooting

If you encounter issues with your DP-10 mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	• Power not connected or switched on. • Main mix faders or channel faders are down. • Output cables are disconnected or faulty. • Speakers/amplifier are off or muted.	• Check power connection and switch. • Raise main mix and channel faders. • Verify output cable connections and test cables. • Ensure speakers/amplifier are on and unmuted.
No input signal	• Input cable disconnected or faulty. • GAIN knob is too low. • Mute button is active on the channel. • +48V Phantom Power not enabled for condenser mics.	• Check input cable connections and test cables. • Increase the GAIN knob for the respective channel. • Deactivate the MUTE button. • Enable +48V Phantom Power if using a condenser microphone.
Distorted sound	• GAIN or channel volume too high (clipping). • Faulty cable or connection. • Improper impedance matching.	• Reduce GAIN or channel volume until the CLIP LED no longer illuminates. • Check and replace faulty cables. • Ensure input devices are compatible with mixer inputs.
Bluetooth connection issues	• Mixer not in Bluetooth mode. • Device too far from the mixer. • Interference from other devices.	• Press MODE button until 'bt' is displayed. • Move the Bluetooth device closer to the mixer (within 15 feet). • Minimize other wireless devices nearby.

Specifications

Feature	Detail
Model Number	DP-10

Feature	Detail
Brand	D Debra
Number of Channels	10
Connectivity Technology	USB, Bluetooth
Power Source	Cable Electric
Voltage	48 Volts (Phantom Power)
Frequency Response	20Hz-20KHz (+3dB)
Signal-to-Noise Ratio (SNR)	≥80dB
Total Harmonic Distortion (THD)	<0.03%
Equalizer	Parametric EQ (Highs +15dB/12KHz, Mids +15dB/2.5KHz, Lows +15dB/80KHz), 7-Band Graphic EQ
DSP Effects	99 integrated effects (Reverb, Echo, etc.)
Audio Input	Microphone inputs, Line inputs, Stereo line inputs
Output Connector Type	USB, 6.35mm Jack, RCA, XLR
Product Weight	4.3 Kilograms
Package Dimensions	46.5 x 46 x 10.5 cm
Country of Origin	China
UPC	794414965320

Warranty and Support

The D Debra DP-10 Audio Mixer comes with a two-year manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For technical support, warranty claims, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase for warranty validation.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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