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Depusheng US MX12

Depusheng MX12 12 Channel Sound Mixer Instruction Manual

Model: US MX12

1. INTRODUCTION

The Depusheng MX12 is a professional 12-channel audio mixing console designed for a wide range of applications, including live performances, studio recording, podcasting, and broadcasting. It features a robust set of controls, built-in digital signal processing (DSP) effects, and versatile connectivity options to ensure high-quality audio production.



Figure 1: Depusheng MX12 12 Channel Sound Mixer

2. KEY FEATURES

- **12-Channel Mixer:** Equipped with 12 input channels, each featuring XLR mic and 6.35mm inputs, providing extensive connectivity for various audio sources.
- **Versatile Outputs:** Includes XLR outputs, 1/4" (L/R) outputs, and RCA (L/R) inputs and outputs for flexible routing.
- **Integrated DSP Effects:** Features 256 built-in DSP effects, including various reverberation types, allowing for real-time audio enhancement without external software.
- **48V Phantom Power:** Provides 48V phantom power on XLR inputs, essential for condenser microphones.
- **USB Connectivity:** Supports direct connection to a PC via USB for recording and playback, functioning as an audio interface.
- **MP3 Functionality:** Built-in MP3 player for convenient audio playback from USB drives.
- **3-Band Equalization:** Each channel includes HI, MID, and LOW equalization controls for precise tone shaping.
- **Rotary Compressor:** Offers easy control for stronger bass and cleaner vocals.

Feature Highlights

DUAL PURPOSE MICROPHONE INPUT CONNECTOR

Standard connector XLR type balanced line inputs
Standard connector TRS type using condenser microphone
Requires turning on the 48V phantom power switch.



Figure 2: Dual-purpose microphone input connectors (XLR and 6.35mm) for versatile microphone compatibility.

3-BAND EQUALIZATION

Adjusts the high, medium and low notes of the audio source independently.
Fine tuning of the music to each syllable

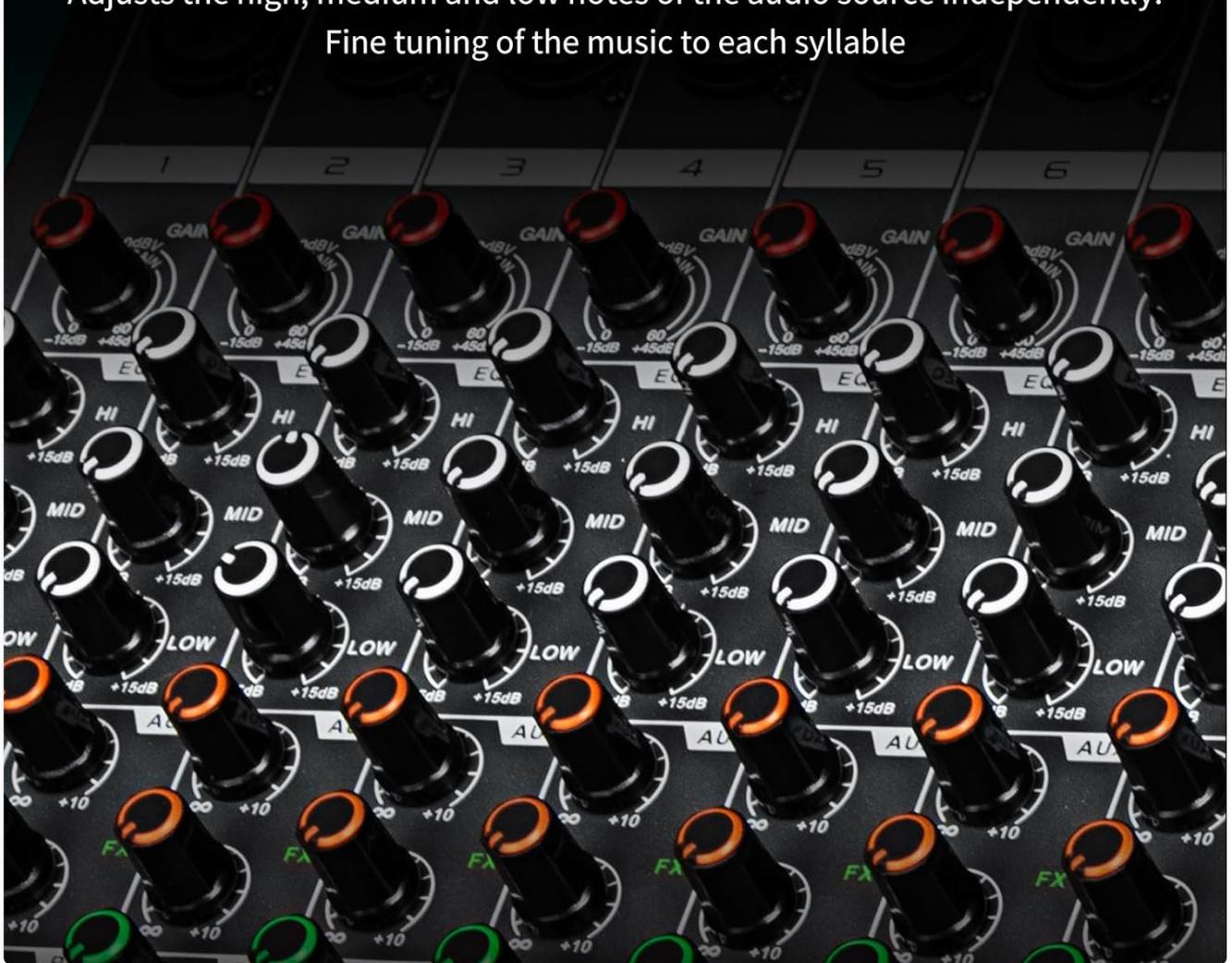


Figure 3: Individual 3-Band Equalization (HI, MID, LOW) on each channel for precise audio tuning.

256 REVERB EFFECT ADJUSTMENT

Adjustments can be made at any time according to the needs of the scene.
Adjust the desired reverb effect with the reverb knob.



Figure 4: The DSP 256 display and control knob for adjusting 256 different reverberation effects.

WIRELESS BLUETOOTH CONNECTION

Featuring Bluetooth for quick and easy connection
Connect to play music from your mixer



Figure 5: The mixer supports wireless Bluetooth connection for audio streaming from mobile devices.

Product Overview Video

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Video 1: An overview of the Depusheng Sound Mixer Audio Mixing Console, highlighting its features and capabilities. This video demonstrates various aspects of the mixer's design and functionality.

3. SETUP GUIDE

Before operating your Depusheng MX12 mixer, please follow these steps to ensure proper setup and connectivity.

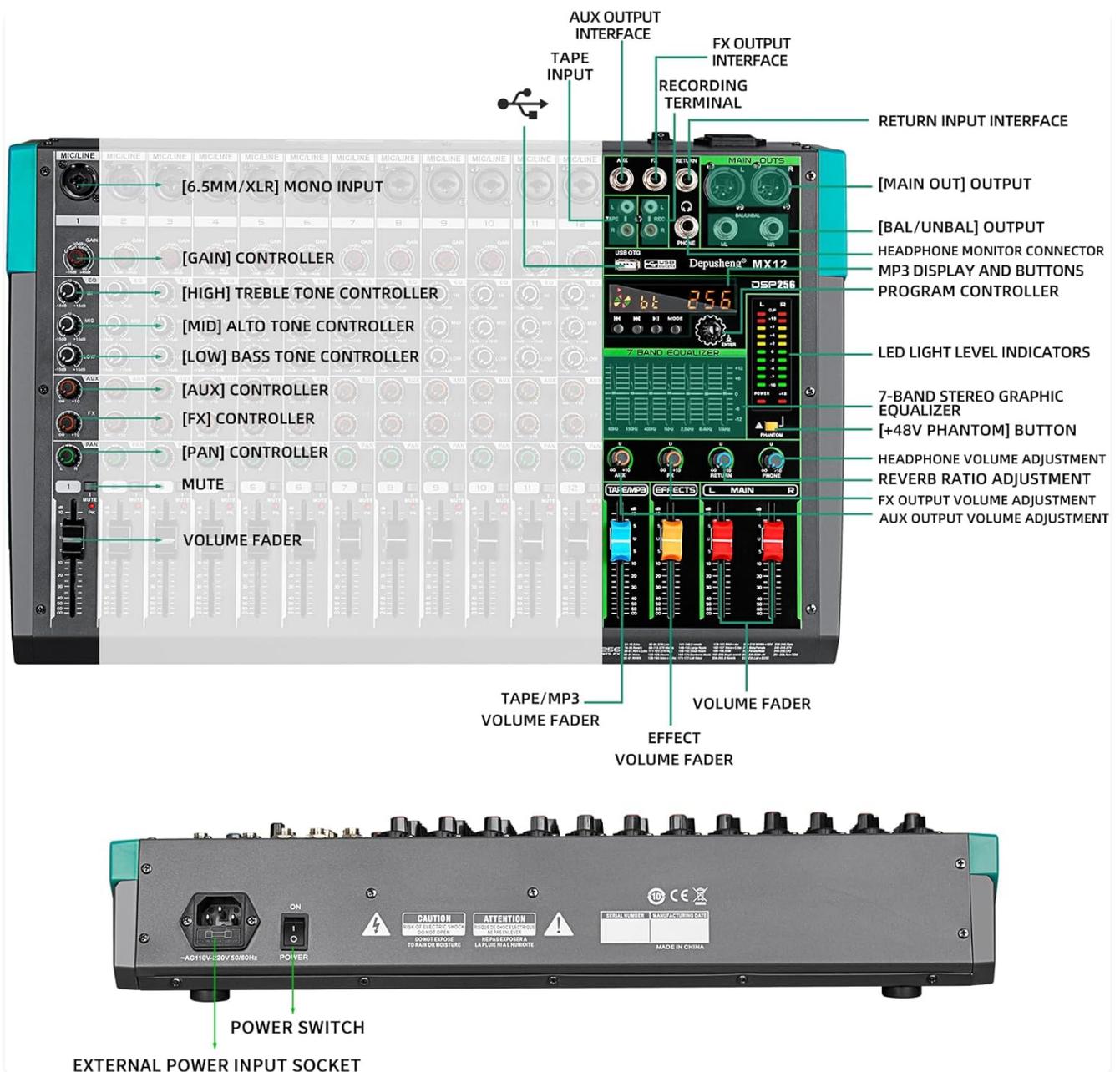


Figure 6: Labeled diagram of the Depusheng MX12's controls and input/output ports.

1. **Power Connection:** Connect the provided power adapter to the 'EXTERNAL POWER INPUT SOCKET' on the rear of the mixer and then to a suitable power outlet. Ensure the power switch is in the 'OFF' position before connecting.
2. **Microphone Connection:** Connect your microphones to the 'MIC/LINE' input jacks (XLR or 6.35mm) on the top panel. If using condenser microphones, activate the 48V phantom power by pressing the 'PHANTOM' button (located near the main output section).
3. **Instrument/Line-Level Device Connection:** Connect instruments (e.g., guitars, keyboards) or other line-level devices to the appropriate 6.35mm or RCA input jacks.
4. **Output Connection:** Connect the 'MAIN OUTS' (XLR or 1/4") to your power amplifier, active speakers, or recording device.
5. **Headphone Connection:** Plug your headphones into the 'PHONE' jack for monitoring.
6. **USB PC Connection:** For computer recording or playback, connect the mixer to your PC using the provided USB cable via the 'USB OTG' port. The mixer is plug-and-play and typically requires no additional drivers.
7. **Power On:** Once all connections are secure, switch the 'POWER SWITCH' to the 'ON' position.

4. OPERATING INSTRUCTIONS

Understanding the controls of your MX12 mixer is key to achieving optimal sound.

Channel Controls

- **GAIN Controller:** Adjusts the input sensitivity for each channel. Set this to an appropriate level to avoid clipping (indicated by the 'PK' light).
- **EQ (Equalization):** Each channel has three bands: 'HI' (treble), 'MID' (midrange), and 'LOW' (bass). Use these knobs to shape the tone of each input source.
- **AUX Controller:** Controls the send level to the auxiliary output, useful for monitor mixes or external effects.
- **FX Controller:** Adjusts the send level to the internal DSP effects processor.
- **PAN Controller:** Positions the sound of the channel within the stereo field (left to right).
- **MUTE Button:** Mutes the individual channel. The 'MUTE' light illuminates when active.
- **VOLUME FADER:** Controls the overall output level of the individual channel.

DSP Effects

The MX12 features 256 DSP effects. Use the 'ENTER' knob to scroll through and select different effects. The selected effect number will be displayed on the screen. Adjust the 'FX' knob on individual channels to send signal to the effects processor, and use the main 'EFFECTS' fader to control the overall effect return level.

USB/MP3 Player

Insert a USB drive into the 'USB OTG' port. Use the playback controls (play/pause, next/previous, mode) to navigate and play audio files. The display will show track information and playback status. For PC recording/playback, ensure the mixer is selected as the audio input/output device in your computer's sound settings.

Main Output Controls

- **MAIN Faders (L/R):** Control the overall volume of the main stereo output.
- **LED Light Level Indicators:** Provide visual feedback on the output level, helping to prevent clipping.
- **7-Band Graphic Equalizer:** Allows for fine-tuning of the overall main mix frequency response.

5. MAINTENANCE

Proper care will extend the life of your Depusheng MX12 mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protection:** Protect the mixer from dust, dirt, and moisture. Avoid spilling liquids on the unit.
- **Ventilation:** Ensure proper ventilation around the mixer to prevent overheating. Do not block ventilation openings.

6. TROUBLESHOOTING

If you encounter issues with your Depusheng MX12, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Power off; incorrect connections; faders down; mute active; gain too low.	Check power, all cable connections, raise main and channel faders, deactivate mute, adjust gain.
Distorted sound	Input gain too high; output level too high; faulty cable.	Reduce input gain and output levels; try different cables.
Microphone not working (condenser)	48V phantom power not activated.	Press the 'PHANTOM' button to activate 48V phantom power.
USB recording/playback issues	Incorrect PC audio settings; faulty USB cable.	Ensure MX12 is selected as default audio device in PC settings; try a different USB cable.
DSP effects not audible	FX send/return levels too low; effect not selected.	Increase channel 'FX' knob and main 'EFFECTS' fader; ensure an effect is selected on the DSP display.

7. SPECIFICATIONS

Detailed technical specifications for the Depusheng MX12 mixer.



Net weight: : 4.05KG/8.93LB

Figure 7: Depusheng MX12 dimensions (approximate).

Attribute	Detail
Model Number	US MX12
Number of Channels	12
Item Weight	8.93 pounds (4.05 kg)
Package Dimensions	21.5 x 15 x 5.75 inches
Connector Types	XLR jack, 6.35MM jack, RCA jack, USB, Bluetooth
Power Source	Corded Electric
DSP Effects	256 built-in reverberation effects
Phantom Power	48V
Equalization	3-band EQ per channel, 7-band graphic equalizer on main output

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact Depusheng customer service directly. Keep your proof of purchase for any warranty claims.