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WEYMIC B120

WEYMIC B120 Professional Mixer User Manual

Model: B120

1. INTRODUCTION

The WEYMIC B120 is a 12-channel professional mixer designed for various audio applications including recording, DJ performances, stage events, and karaoke. It features a low-noise, high-precision preamplifier, 99 DSP effects, USB connectivity for computer recording and playback, Bluetooth wireless connection, and 48V phantom power for condenser microphones. Its compact, all-metal body ensures durability and portability.



Figure 1.1: Front view of the WEYMIC B120 Professional Mixer, showcasing its various controls and inputs.

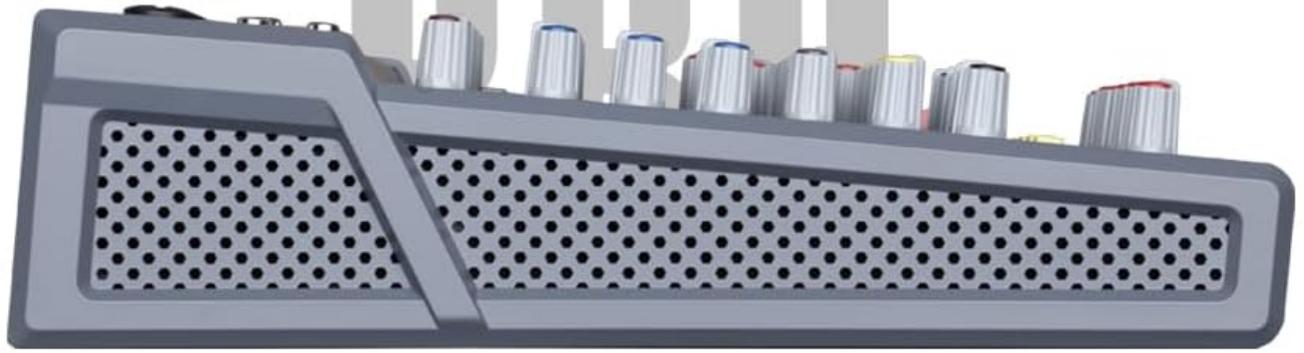
2. SETUP

2.1 Unpacking and Initial Inspection

Carefully remove the mixer from its packaging. Inspect the unit for any signs of damage during transit. Ensure all components listed in the packing material are present.

2.2 Power Connection

Connect the provided external power adapter to the 'EXT. DC IN (5V/1A)' port on the rear of the mixer. Plug the adapter into a suitable power outlet. The mixer operates on 5 Volts DC.



MIXER SIDE



MIXER ON THE BACK

Figure 2.1: Side view showing the mixer's profile and rear view detailing the power input and serial number.

2.3 Connecting Microphones and Instruments

The mixer supports wired, wireless, and condenser microphones, as well as instrument connections.

- **XLR Microphone Jacks:** Use the XLR inputs (CH 1-4) for microphones.
- **48V Phantom Power:** For condenser microphones, activate the 48V Phantom Power switch. This supplies the necessary power to the microphone.
- **Line Inputs:** Use the 1/4-inch TRS/TS jacks for line-level instruments or other audio sources.

2.4 Connecting External Devices (USB/Bluetooth)

- **USB Drive:** Insert a USB flash drive into the USB port for MP3 playback or recording.
- **Computer Connection:** Connect the mixer to a computer via USB for recording input or using it as an audio interface.
- **Bluetooth:** Activate the Bluetooth function to connect compatible wireless devices for audio playback.

3. OPERATION

3.1 Overview of Controls

The WEYMIC B120 mixer features a comprehensive set of controls for each channel and the master output. Familiarize yourself with the layout for optimal use.

DETAILED INTRODUCTION OF PRODUCT PANEL

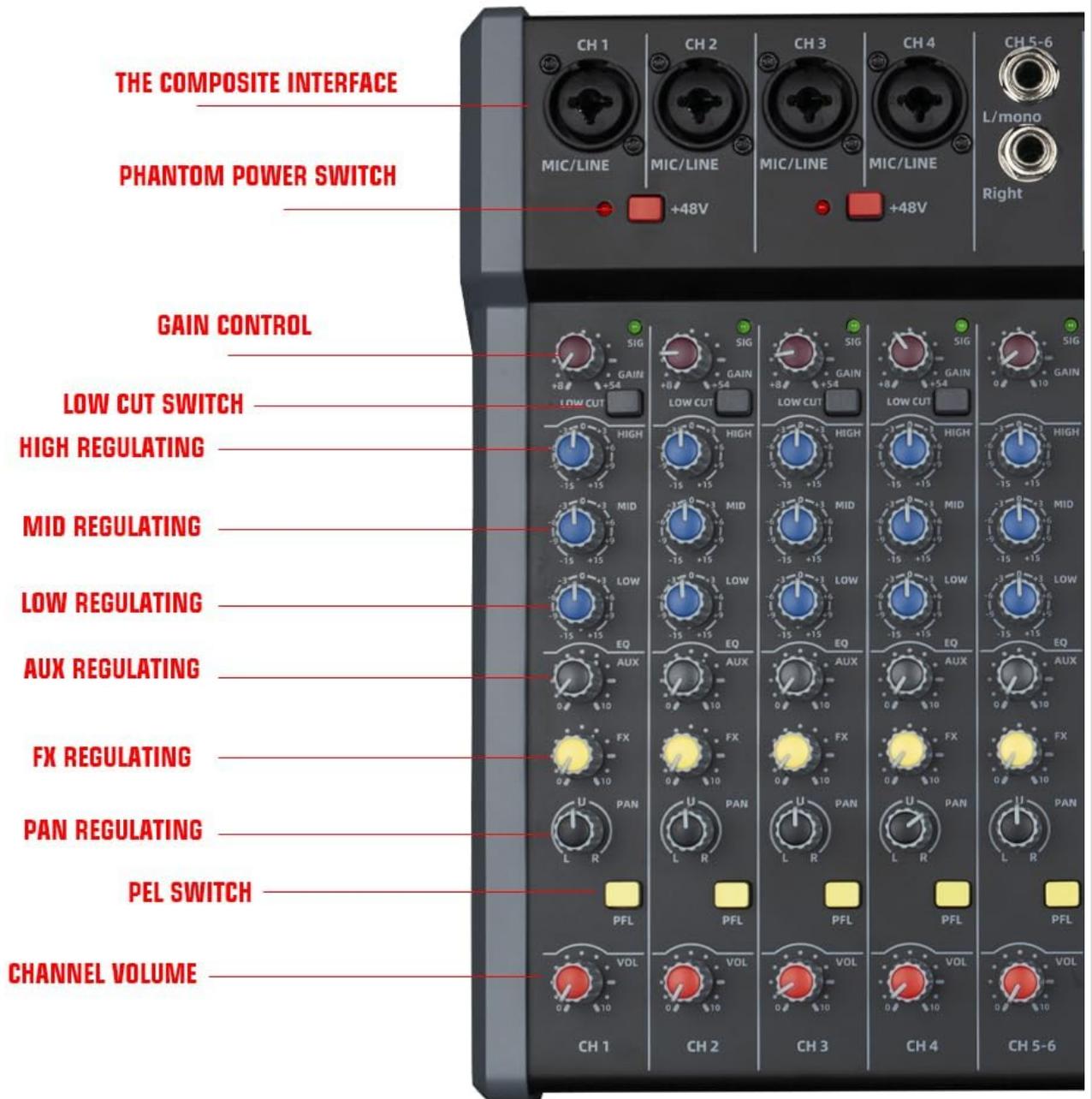
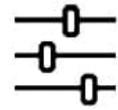


Figure 3.1: Detailed view of the mixer's control panel, highlighting various input and channel controls.

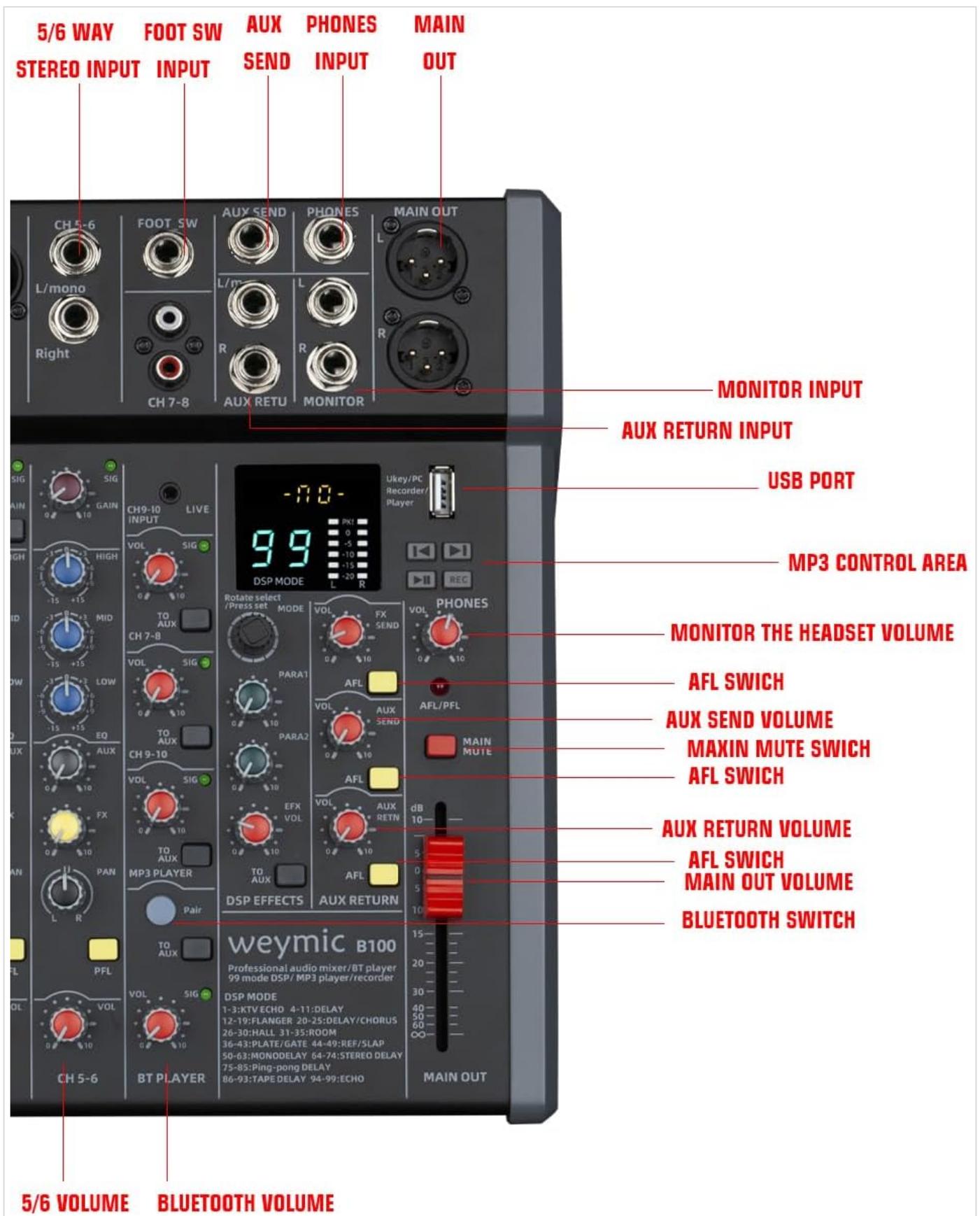


Figure 3.2: Detailed view of the main output section, USB port, MP3 controls, and Bluetooth switch.

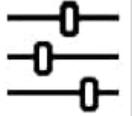
3.2 Channel Controls

Each input channel (CH 1-4 for mono, CH 5-6 for stereo) includes the following controls:

- **Gain Control:** Adjusts the input sensitivity for the connected microphone or instrument.
- **Low Cut Switch:** Filters out low-frequency rumble.

- **Equalization (EQ):** Three-band EQ (HIGH, MID, LOW) for tone shaping. Each band can be adjusted from -15dB to +15dB.

PROFESSIONAL THREE BALANCE ADJUSTMENT



EACH CHANNEL HIGH SCHOOL BASS INDEPENDENT REGULATION
MAKE IT SOUND MORE COMFORTABLE, THE MUSIC BETTER



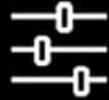
Figure 3.3: Close-up of the three-band EQ controls (High, Mid, Low) for individual channels.

- **AUX Regulating:** Controls the level sent to the auxiliary output.
- **FX Regulating:** Controls the level sent to the internal effects processor.
- **PAN Regulating:** Adjusts the stereo position (left/right) of the channel.
- **PFL Switch:** Pre-Fader Listen. Activates monitoring of the channel's signal before the fader, useful for setting gain.
- **Channel Volume:** Adjusts the output level of the individual channel to the main mix.

3.3 Master Section Controls

- **Main Out Volume:** Controls the overall output level of the main mix.
- **Monitor Output:** Connect headphones for real-time monitoring of the mix. The PHONES knob adjusts the headphone

DETAILED DISPLAY OF CRAFTSMANSHIP



STRENGTH IS THE KEY TO THE DETAILS CAREFULLY



PHANTOM POWER

COMPATIBLE WITH
MULTIPLE TYPES OF MICROPHONES



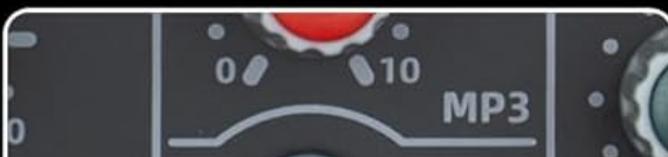
REAL-TIME MONITORING

CONNECT THE HEADSET
TO MONITOR DIRECTLY



THE COMPOSITE INTERFACE

SELECTED HIGH-QUALITY
DAMPING MATERIALS



OPEN THE BLUETOOTH KEY

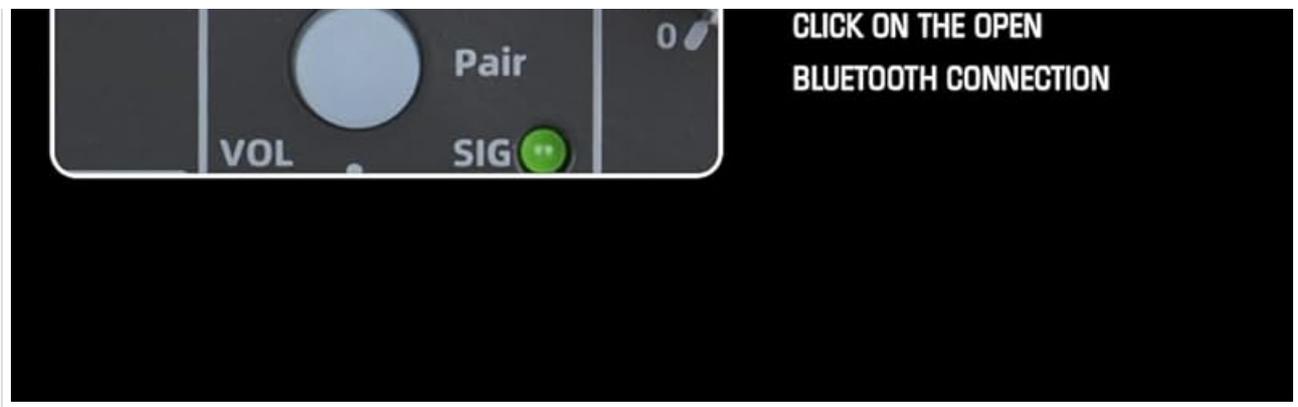


Figure 3.4: Close-up views of the Phantom Power switch, Phones jack for real-time monitoring, composite interface, and Bluetooth pairing button.

- **AUX Send/Return:** For connecting external effects processors or monitor mixes.
- **Main Mute Switch:** Mutes the main output.
- **AFL Switch:** After-Fader Listen. Activates monitoring of the channel's signal after the fader.

3.4 DSP Effects

The B120 mixer includes a professional DSP effector with 99 preset effects. These effects can be applied to individual channels via the FX regulating knob.



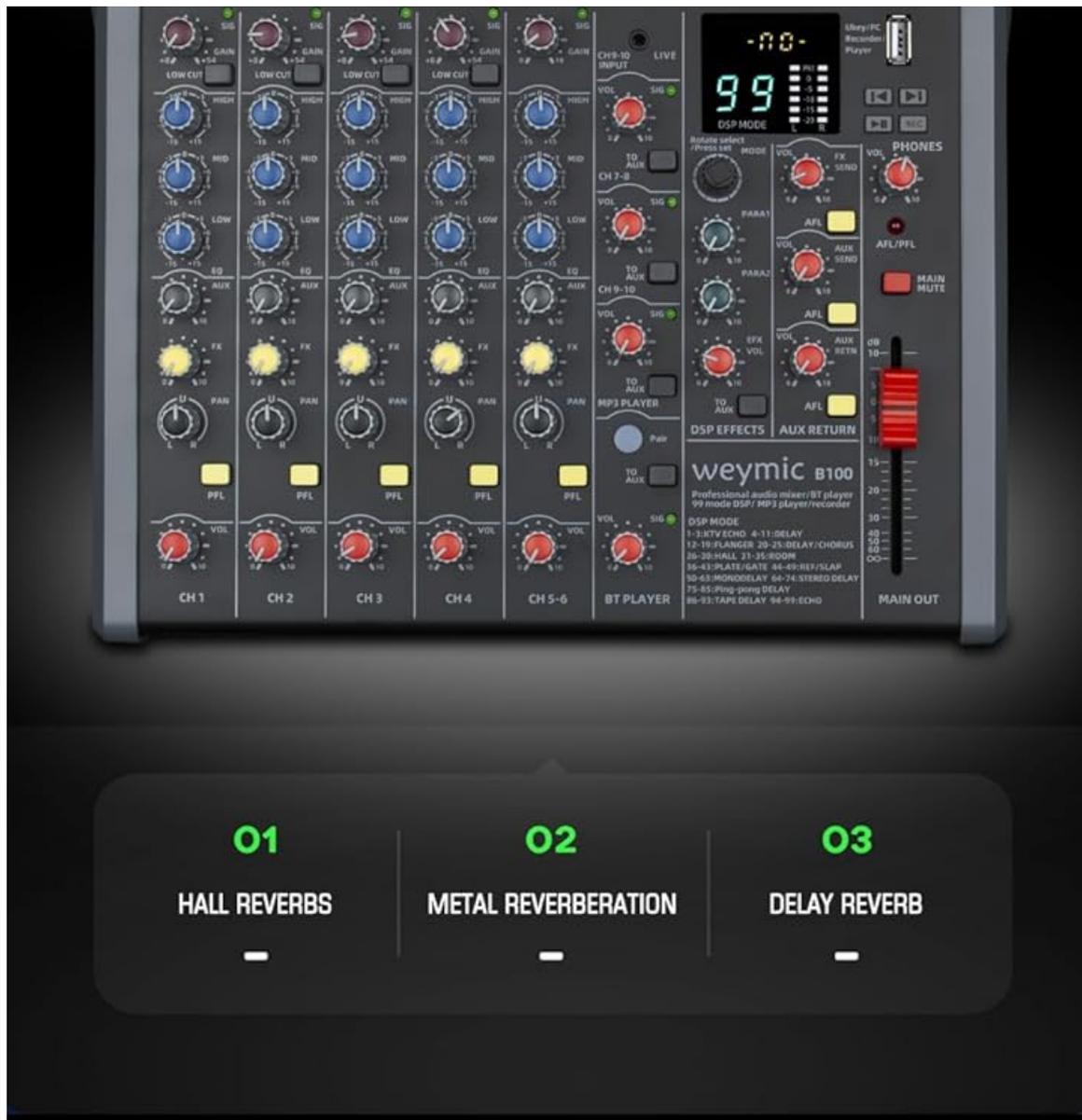


Figure 3.5: Display area showing the selection of 99 DSP effects, including Hall Reverbs, Metal Reverberation, and Delay Reverb.

DIGITAL REVERBERATION EFFECT OF DSP CHIP

PROFESSIONAL DSP EFFECTOR CAN MODULATE
THE REALISM OF SOUND EFFECT WHEN PLAYING IN DIFFERENT OCCASIONS

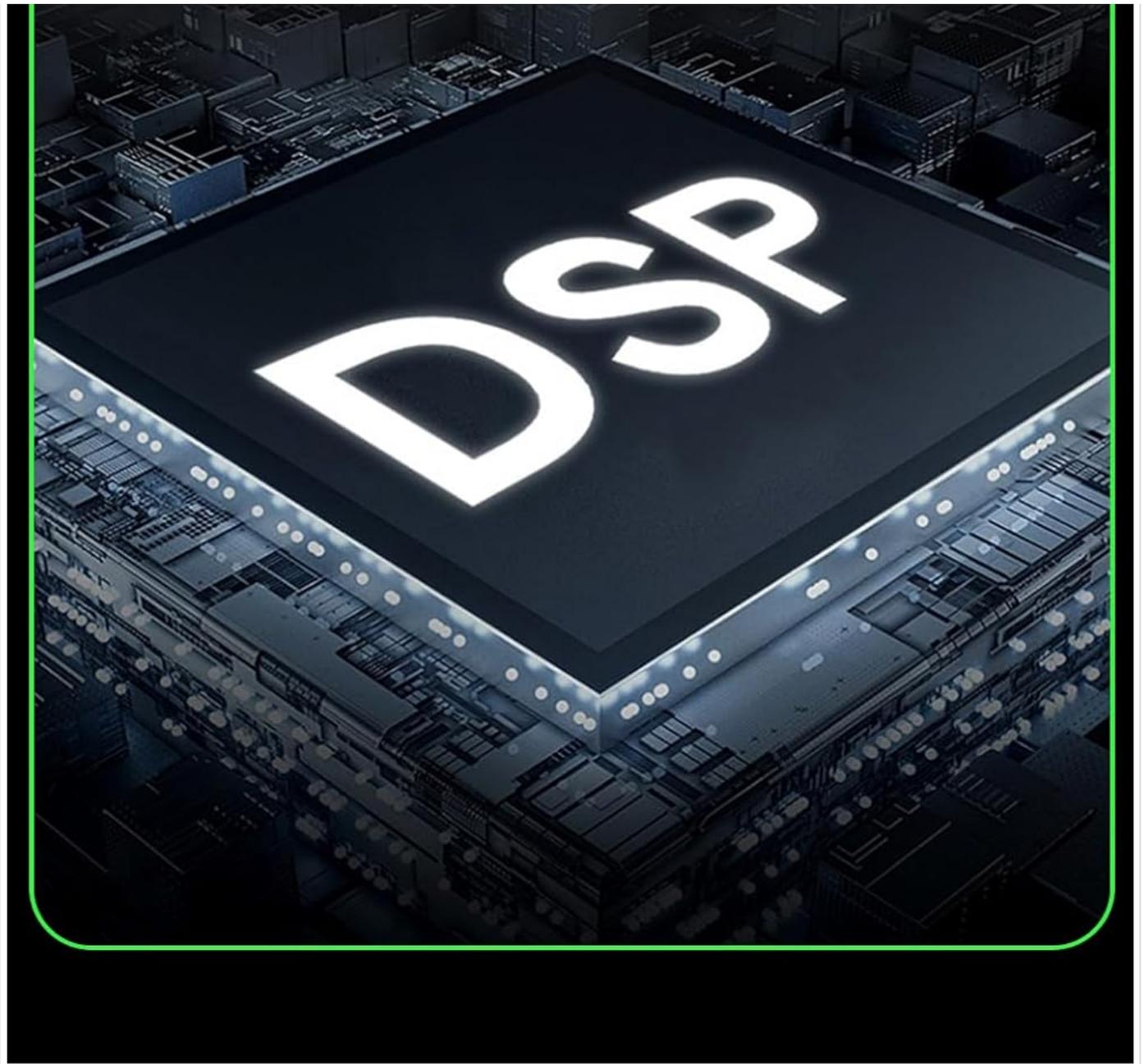


Figure 3.6: Illustration of the digital signal processing (DSP) chip responsible for the mixer's effects.

3.5 USB/MP3 Player Functionality

The built-in USB interface allows for direct recording of performances and playback of music from a USB drive.

- **Playback:** Insert a USB drive with MP3 files. Use the built-in controls (play/pause, skip tracks) to manage playback.
- **Recording:** The mixer can record audio directly to a USB drive or to a connected computer.

PLAY LOSSLESS MUSIC DIGITAL MP3 PLAYER

BUILT-IN USB INTERFACE FOR RECORDING
PERFORMANCES AND PROVIDING MUSIC PLAYBACK



Figure 3.7: USB port with a flash drive inserted, demonstrating the digital MP3 player and recording capabilities.

4. MAINTENANCE

To ensure the longevity and optimal performance of your WEYMIC B120 mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid abrasive cleaners or solvents.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust and grime from entering the sealed rotary controls and faders.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are properly routed and not under strain to prevent damage to connectors and ports.

5. TROUBLESHOOTING

If you encounter issues with your WEYMIC B120 mixer, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the mixer and a working power outlet. Check the power switch on the mixer.
- **No Sound Output:** Verify that the main output volume is turned up. Check individual channel volumes and ensure they are not muted. Confirm that cables to speakers or amplifiers are correctly connected.
- **No Microphone Input:** Check microphone connections. For condenser microphones, ensure 48V Phantom Power is activated. Verify channel gain and volume are appropriately set.
- **Distorted Sound:** Reduce input gain levels to prevent clipping (indicated by signal LEDs turning red). Check cable integrity.
- **USB/Bluetooth Playback Issues:** Ensure the USB drive is formatted correctly and contains compatible audio files. For Bluetooth, ensure the device is paired correctly and within range.
- **Effects Not Working:** Check the FX regulating knob on the desired channel and the master FX send/return levels.

6. SPECIFICATIONS

Feature	Specification
Brand	WEYMIC
Model Number	B120
Number of Channels	12
Connectivity Technology	Bluetooth, USB
Power Source	Corded Electric
Voltage	5 Volts
Item Weight	4.79 pounds (2.18 Kilograms)
Product Dimensions	13.78 x 12.6 x 3.35 inches
DSP Effects	99 kinds of reverb presets
Phantom Power	48V

7. WARRANTY AND SUPPORT

Information regarding product warranty and customer support is not available in the provided product data. Please refer to the manufacturer's official website or contact your retailer for details on warranty coverage and technical assistance.