

Behringer MIX800

Behringer Minimix Mix800 Ultra-Compact Karaoke Machine

User Manual

1. INTRODUCTION

The Behringer Minimix Mix800 is an ultra-compact karaoke machine designed for studio and stage applications. It features a revolutionary Voice Canceller, an integrated digital echo/reverb processor, two independent microphone channels, and a dedicated 2-band EQ for vocal enhancement.

2. SAFETY INSTRUCTIONS

- **Power Supply:** Use only the specified power adapter. Incorrect voltage can damage the unit and void the warranty.
- **Moisture:** Do not expose the unit to rain or moisture. Avoid placing liquids near the device.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.
- **Cleaning:** Clean only with a dry cloth.

3. CONTROLS AND CONNECTORS

3.1 Front Panel



Figure 1: Front Panel Overview of the Minimix Mix800

1. **MIC LEVEL 1 & 2:** Rotary controls to adjust the input level for Microphone Input 1 and 2.
2. **CLIP Indicators:** Red LEDs that illuminate when the input signal is too high, indicating potential clipping. Reduce the MIC LEVEL if these light up.
3. **MIC INPUT 1 & 2:** 1/4-inch TS jack inputs for connecting microphones.
4. **EQ HIGH:** Adjusts the high-frequency content of the microphone signals.
5. **EQ LOW:** Adjusts the low-frequency content of the microphone signals.
6. **FX LEVEL:** Controls the amount of echo/reverb effect applied to the microphone signals.
7. **ECHO/REVERB Button:** Activates or deactivates the integrated digital effects processor.
8. **24 BIT Indicator:** Lights up when the 24-bit digital effects processor is active.
9. **VOICE CANCELLER Button:** Activates or deactivates the voice canceller function.
10. **IN/OUT Indicator:** Lights up when the main output is active.
11. **OUTPUT LEVEL:** Rotary control to adjust the overall output volume of the Mix800.
12. **CLIP Meter:** LED meter displaying the output signal level. Aim for levels around 0 dB for optimal performance without clipping.
13. **POWER Button:** Turns the unit on or off.

3.2 Rear Panel



Figure 2: Rear Panel Overview of the Minimix Mix800

1. **POWER Input:** Connection for the external 9V~ 750mA power adapter.
2. **AUDIO OUT (L/R):** RCA outputs for connecting the Mix800 to an amplifier, powered speakers, or a recording device.
3. **AUDIO IN (L/R):** RCA inputs for connecting an external audio source, such as a CD player, media player, or computer.

4. SETUP

Follow these steps to set up your Behringer Minimix Mix800:

1. **Connect Audio Source:** Connect your external audio source (e.g., CD player, computer, smartphone) to the **AUDIO IN (L/R)** RCA inputs on the rear panel using appropriate RCA cables.
2. **Connect Output:** Connect the **AUDIO OUT (L/R)** RCA outputs on the rear panel to your amplifier, powered speakers, or sound system using RCA cables.
3. **Connect Microphones:** Plug your microphones into the **MIC INPUT 1** and **MIC INPUT 2** 1/4-inch jacks on the front panel.
4. **Connect Power:** Connect the supplied 9V~ 750mA power adapter to the **POWER** input on the rear panel, then plug the adapter into a suitable power outlet.
5. **Power On:** Press the **POWER** button on the front panel to turn on the Mix800.

5. OPERATING INSTRUCTIONS

Once set up, you can begin using your Minimix Mix800:

- **Adjust Microphone Levels:** Speak into your microphones and slowly turn up the **MIC LEVEL 1** and **MIC LEVEL 2** controls. Adjust until the sound is clear and loud, but ensure the **CLIP** indicators do not light up consistently. Occasional flashes are acceptable.
- **Adjust EQ:** Use the **EQ HIGH** and **EQ LOW** controls to shape the tone of your vocals. Increase EQ HIGH for brighter vocals, and EQ LOW for more warmth or bass.
- **Apply Effects:** Press the **ECHO/REVERB** button to activate the digital effects. Adjust the **FX LEVEL** knob to control the amount of echo or reverb added to your vocals.
- **Use Voice Cancellor:** Press the **VOICE CANCELLER** button to attempt to remove vocals from the incoming stereo audio source. Note that the effectiveness of this feature can vary depending on the original audio track.
- **Set Output Level:** Adjust the **OUTPUT LEVEL** knob to control the overall volume sent to your sound system. Monitor the **CLIP Meter** to prevent distortion.

6. MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, store the unit in a dry, dust-free environment.
- **Cable Care:** Ensure all cables are free from kinks or damage. Avoid pulling cables forcefully from their connectors.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Power off; incorrect connections; output level too low; amplifier off.	Check power, all cable connections (input/output), increase OUTPUT LEVEL, ensure amplifier is on.
Microphone not working	Mic level too low; faulty microphone/cable; mic not fully inserted.	Increase MIC LEVEL, test with another microphone/cable, ensure mic cable is fully inserted and making proper contact.
Distorted sound	Input/output levels too high (clipping).	Reduce MIC LEVEL or OUTPUT LEVEL until CLIP indicators/meter no longer show consistent clipping.
Voice Canceller ineffective	Original audio track not suitable for voice cancellation.	The effectiveness varies greatly with the source material. This is a characteristic of the technology.

8. SPECIFICATIONS

Feature	Detail
Model Name	MINIMIX MIX800
Item Dimensions (L x W x H)	9.55" x 4.72" x 1.89"
Item Weight	1.3 pounds
Microphone Inputs	2 x 1/4" TS Jacks

Feature	Detail
Audio Inputs	RCA (L/R)
Audio Outputs	RCA (L/R)
Effects	Digital Echo/Reverb (24-bit)
Equalization	2-band (High, Low)
Power Supply	9V~ 750mA (external adapter)

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: Manufacturer's overview of the Behringer Minimix Mix800, demonstrating its features and capabilities.

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Behringer website:<http://www.music-group.com/warranty.aspx>.
For technical support or service inquiries, please contact Behringer customer service.