



USER MANUAL

PowerWorks MX4006BT-U Analogue Mixer – User Manual

Professional 32-Input Mixer with USB, Bluetooth & DSP Effects

Welcome and Congratulations!

Thank you for choosing the PowerWorks MX4006BT-U, a professional-grade 32-input analogue mixer designed for live sound, studio recording, and advanced audio production.

With noiseless mic preamps, built-in DSP, USB/REC player system, Bluetooth connectivity, and precise EQ control, the MX4006BT-U delivers pristine sound and intuitive control for professional audio applications.

This manual will guide you through setup, operation, and best practices to ensure you get the most out of your mixer.

Let's get started — and experience superior sound with PowerWorks.

www.powerworks-audio.com

PowerWorks MX4006BT-U Mixer – User Manual

1. Introduction & Features

The PowerWorks MX4006BT-U mixer provides advanced audio performance and versatile routing options. Key features include:

- 32 channels (30 mic inputs + 2 stereo inputs)
- 32 noiseless mic/line preamps (AGREA technology)
- 4-band EQ on individual channels
- 9-band EQ on main output
- 4 group outputs and 1 stereo output
- 4 AUX sends and 1 stereo return
- XLR balanced output for professional audio
- +48V phantom power for condenser microphones
- Independent monitor function
- Limiter COMP function for consistent audio levels
- 100mm highly-precise level attenuation faders
- Built-in 24/24-bit DSP with USB/REC player system
- 2-in/2-out USB stereo sound card (96kHz/24-bit)
- Bluetooth connectivity for wireless streaming
- DJ lights for performance environments

2. Panel Layout

Channel Controls:

Each channel includes:

- Gain control (input level adjustment)
- 4-band EQ for tonal shaping
- AUX send controls
- Mute switch
- Volume fader (100mm high-precision)

Master Section:

- Main output level control
- 9-band EQ on main output
- 4 group outputs
- 1 stereo output
- 1 stereo return input
- DSP effect controls
- USB/REC player system controls
- Bluetooth streaming controls
- Independent monitor function

Inputs and Outputs:

- 30 mic inputs
- 2 stereo inputs
- 4 group outputs
- 1 stereo output
- 1 stereo return
- 4 AUX sends
- XLR balanced outputs
- USB stereo sound card (2-in/2-out)
- Bluetooth connectivity

3. Quick Setup & Operation

1. Connect microphones, instruments, or other audio sources to the input channels.
2. Enable phantom power (+48V) if using condenser microphones.
3. Adjust channel gain levels to prevent distortion.
4. Use the 4-band EQ on each channel and the 9-band EQ on the main output to shape your sound.
5. Route audio via group outputs, stereo outputs, AUX sends, or the stereo return as needed.
6. Apply DSP effects using the onboard controls.
7. Connect the USB sound card to a computer for recording or playback.
8. Stream audio wirelessly using Bluetooth connectivity.

4. Recording via USB

USB Recording

- Connect a USB device to record your mix directly.
- Use the USB/REC player controls to start and stop recording.
- Files are saved directly to your connected USB device for easy access.

Playback

- Play MP3 audio directly from a USB device.
- Navigate tracks and control playback using the onboard USB/REC controls.

Bluetooth Streaming

- Pair your Bluetooth-enabled device with the mixer.
- Stream audio wirelessly for playback or integration into your mix.

5. DSP Effects

- 24/24-bit built-in DSP provides advanced audio processing.
- 99 effect types (Reverb, Delay, Chorus, Flanger, Phaser, etc.) for creative sound enhancement.
- USB/REC player system allows direct recording and playback.
- Bluetooth connectivity enables wireless audio streaming.

6. Tips & Best Practices

- Monitor levels carefully to avoid clipping or distortion.
- Use the limiter COMP function to maintain consistent audio quality.
- Mute unused channels to reduce background noise.
- Use group outputs and AUX sends for flexible routing of external effects and monitors.
- Check your mix via the independent monitor output before live output.
- Ensure USB and Bluetooth devices are properly connected for stable recording/playback.
- Take advantage of DJ lights for performance feedback in live environments.

7. Specifications

- **Channels:** 32 (30 mic inputs + 2 stereo inputs)
- **Preamps:** 32 noiseless mic/line preamps (AGREA technology)
- **EQ:** 4-band EQ per channel, 9-band EQ on main output
- **Outputs:** 4 group outputs, 1 stereo output, 1 stereo return
- **AUX Sends:** 4
- **Phantom Power:** +48V per channel
- **Monitor Function:** Independent
- **Limiter COMP Function:** Yes
- **Faders:** 100mm high-precision level attenuation faders
- **Balanced Output:** XLR
- **Recording/Playback:** USB & DSP-enabled
- **Connectivity:** USB (2-in/2-out, 96kHz/24-bit), Bluetooth
- **DSP:** 24/24-bit built-in with USB/REC player system
- **Additional Features:** Mute switch, versatile routing, high-quality noiseless mic preamps, DJ lights