



USER MANUAL

PowerWorks X2004BT-USB 8 Mono & 2 Stereo Channel Mixer – User Manual

Professional Mixer with USB, Bluetooth & DSP Effects

Welcome and Congratulations!

Thank you for choosing the PowerWorks X2004BT-USB, a versatile mixer with 8 mono and 2 stereo channels designed for live performances, studio recording, and professional audio applications.

With 99 built-in DSP effects, USB/MP3 playback, Bluetooth streaming, and a graphic equalizer, the X2004BT-USB provides clear sound, flexible mixing capabilities, and intuitive control for a variety of audio setups.

This manual will guide you through setup, operation, and best practices. We recommend reading through it to fully understand the capabilities of your mixer.

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

www.powerworks-audio.com

PowerWorks X2004BT-USB Mixer – User Manual

1. Introduction & Features

The PowerWorks X2004BT-USB mixer offers professional-grade features for flexible audio management. Key features include:

- 8 mono channels and 2 stereo channels for wide-ranging connectivity
- Balanced, low-noise microphone inputs with +48V phantom power
- 26dB attenuation switch on each mono channel for precise input control
- 4-band EQ on mono channels and 3-band EQ on stereo channels for detailed tonal shaping
- Mute switch on every channel for quick signal management
- Two sets of AUX outputs and one FX output for external processing or monitoring
- Two groups of AUX send controls with pre-self-locking press functionality
- 60mm high-analysis faders for smooth, precise level adjustments
- 99 built-in DSP effects for professional sound enhancements
- USB MP3 playback and Bluetooth streaming for flexible digital audio sources
- One-key recording function for capturing performances
- 7-segment stereo graphic equalizer for overall output fine-tuning
- High-precision three-color electric screen and dual 12-segment flow level displays
- LR channel monitor output for accurate monitoring
- Built-in switching power supply supporting 110V–220V AC for global compatibility

2. Panel Layout

Channel Controls:

Each channel includes:

- Gain control (input level adjustment)
- 4-band EQ (mono channels) / 3-band EQ (stereo channels)
- Mute switch
- Attenuation switch (26dB on mono channels)
- AUX send controls
- Volume fader (60mm high-analysis)

Master Section:

- Main output level control
- DSP effect selector (99 presets)
- Graphic equalizer (7-segment stereo)
- USB MP3 playback controls & Bluetooth streaming
- Recording function (one-key)
- Level displays (dual 12-segment, three-color electric screen)
- Monitor output (LR channel)

Inputs and Outputs:

- 8 mono inputs
- 2 stereo inputs
- Balanced microphone inputs with phantom power
- 2 AUX outputs, 1 FX output
- USB port for MP3 playback and recording
- Bluetooth connectivity
- Monitor output

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. Set channel gain levels and attenuation switches to avoid distortion.
4. Adjust EQ on each channel to shape your sound.
5. Use AUX send for monitors or external processors.
6. Apply DSP effects using the onboard controls.
7. Adjust channel faders and main output for final mix levels.
8. Connect a Bluetooth device or USB drive for playback or recording.

4. Recording via USB & Playback

USB Recording:

- Connect a USB drive to record your session directly.
- Press the one-key recording button to start/stop recording.

Playback:

- Play MP3 audio directly from USB drives.
- Navigate and adjust playback using onboard controls.

Bluetooth Streaming:

- Pair your device with the mixer via Bluetooth.
- Stream audio wirelessly into your mix.

5. DSP Effects

- Choose from 99 built-in effects to add depth and dimension to your mix.
- Apply effects to individual channels or the main output.
- Adjust effect levels to achieve professional sound quality.

6. Tips & Best Practices

- Monitor levels carefully to prevent clipping or distortion.
- Use mute switches for quick control of unwanted channels.
- Apply EQ and effects subtly for a clean, professional sound.
- Use AUX outputs for external processors or monitor mixes.
- Use headphones or monitor outputs to check your mix before live output.
- Ensure USB drives and Bluetooth devices are properly connected for stable operation.

7. Specifications

- **Channels:** 8 mono channels, 2 stereo channels
- **Microphone Inputs:** Balanced, low-noise
- **Phantom Power:** +48V per microphone channel
- **Attenuation Switch:** 26dB per mono channel
- **EQ:** Mono channels: 4-band, Stereo channels: 3-band
- **Mute Switch:** Yes, on each channel
- **Auxiliary Outputs:** 2 sets of AUX, 1 FX output
- **AUX Send Control:** 2 groups, pre-self-locking press
- **Faders:** 60mm high-analysis stroke
- **DSP Effects:** 99 built-in effects
- **MP3 Playback:** USB digital display, Bluetooth playback
- **Recording:** One-key recording function
- **Graphic Equalizer:** 7-segment stereo graphic equalizer
- **Level Display:** Three-color electric screen, dual 12-segment flow level display
- **Monitor Output:** LR channel monitor output
- **Power Supply:** Built-in switching supply, suitable for 110V–220V AC