



USER MANUAL

PowerWorks X16BT-UFx Audio Mixer – User Manual

Professional 16-Channel Mixer with USB, Bluetooth & DSP Effects

Welcome and Congratulations!

Thank you for choosing the PowerWorks X16BT-UFx, a versatile 16-channel mixer designed for live performances, studio recording, and professional audio production.

With USB and Bluetooth connectivity, MP3 playback, in-ear monitoring, 99 digital effects, and intuitive controls, the X16BT-UFx delivers professional-grade sound with precision and flexibility. Whether you're performing live, recording, or streaming, this mixer provides the tools you need to shape your sound confidently.

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 X16BT-UFX Mixer – User Manual

1. Introduction & Features

The PowerWorks X16BT-UFX is a 16-channel mixer built for professional versatility. Key features include:

- 14 mono input channels and 2 stereo input channels
- USB recording and playback functionality
- Bluetooth audio streaming
- MP3 playback support
- 99 built-in digital effects presets (reverbs, delays, modulation, chorus, etc.)
- 3-band EQ on all channels
- 12-segment LED level meter
- High-precision 60 mm logarithmic sliders
- Phantom power for condenser microphones (+48V)
- In-ear monitoring support
- 2 AUX outputs and 1 return channel
- Headphone output for monitoring
- Mute functionality on all channels
- Robust and durable construction for live and studio environments

2. Panel Layout

Channel Controls:

Each channel includes:

- Gain control (input level adjustment)
- 3-band EQ (High, Mid, Low)
- AUX send control
- Mute switch
- Pan (mono channels) / Balance (stereo channels)
- 60 mm precision logarithmic fader

Master Section:

- Main output level control
- 12-segment LED level meter
- DSP effects selector (1–99 presets)
- Effects return level control
- Headphone/in-ear monitor level control
- USB/Bluetooth/MP3 playback controls

Inputs and Outputs:

- 14 mono mic/line inputs (XLR/TRS combo)
- 2 stereo line inputs
- 2 balanced main outputs
- 2 line outputs
- 2 AUX outputs (for monitors or external gear)
- Effects return input
- Headphone output
- USB port (recording/playback)
- Bluetooth connectivity

3. Quick Setup & Operation

1. Connect microphones, instruments, or audio sources to the input channels.
2. Enable phantom power only if using condenser microphones.
3. Set channel gain levels to avoid distortion (watch the level meter).
4. Use EQ controls to shape each channel's sound.
5. Adjust AUX sends for monitors, in-ear monitoring, or external processing.
6. Connect a device via Bluetooth or USB for playback or recording.
7. Select and apply digital effects using the DSP selector.
8. Adjust channel faders and master output for final mix levels.

4. Recording via USB & Playback

USB Recording:

- Connect a USB device to record your mix directly.
- Press record to start/stop recording.

Playback:

- Play MP3 audio directly from USB.
- Use onboard controls to manage playback.

Bluetooth Streaming:

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

5. DSP Effects

- Choose from 99 built-in effects, including reverb, delay, chorus, and modulation.
- Use the channel send controls to route audio to effects.
- Adjust the master FX level to blend into the main mix.

6. Tips & Best Practices

- Always monitor levels to prevent clipping or distortion.
- Use mute switches to eliminate unwanted noise.
- Apply EQ subtly for a cleaner, more natural sound.
- Use AUX outputs or in-ear monitoring for personal mix adjustments.
- Keep Bluetooth volume controlled from the mixer for consistency.
- Use headphones or in-ear monitors to check your mix before outputting live.

7. Specifications

- **Channels:** 16 (14 mono, 2 stereo)
- **Inputs:** 14 mono inputs (XLR/TRS combo), 2 stereo inputs
- **Outputs:** 2 balanced outputs, 2 line outputs, 2 AUX outputs, 1 return input
- **Level Meter:** 12-segment LED
- **Digital Effects:** 99 presets (reverb, delay, chorus, modulation, etc.)
- **EQ:** 3-band per channel (Low, Mid, High)
- **Phantom Power:** Yes (+48V)
- **Connectivity:** USB, Bluetooth, recording, MP3 playback
- **Monitoring:** In-ear monitor support, headphone output
- **Additional Features:** Mute on all channels
- **Sliders:** 60 mm high-precision logarithmic
- **Power Supply:** Standard AC power supply with global voltage compatibility
- **Dimensions:** 1533 mm (L) x 833 mm (W) x 140 mm (H)
- **Build:** Robust construction for durability in live and studio environments