



USER MANUAL

PowerWorks X12BT-UFX Audio Mixer – User Manual

Professional 12-Channel Mixer with USB, Bluetooth & DSP Effects

Welcome and Congratulations!

Thank you for choosing the PowerWorks X12BT-UFX, a professional 12-channel mixer designed for live sound, studio recording, and content creation.

With USB and Bluetooth connectivity, MP3 playback, 99 digital effects, and intuitive controls, the X12BT-UFX delivers professional-grade sound in a flexible and versatile format. Whether you're performing live, recording, or streaming, this mixer provides the tools you need to shape your sound with confidence.

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 X12BT-UFX Mixer – User Manual

1. Introduction & Features

The PowerWorks X12BT-UFX is a 12-channel mixer built for versatility and professional performance. Key features include:

- 10 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
- 3-band EQ on all channels
- 12-segment LED level meter
- High-precision 60 mm logarithmic sliders
- Phantom power for condenser microphones
- 2 AUX outputs and 1 return channel
- Headphone output for monitoring
- Mute functionality on all channels
- Compact and intuitive design for easy control

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 level control
- USB/Bluetooth/MP3 playback controls

Inputs and Outputs:

- 10 mono mic/line inputs (XLR/TRS)
- 2 stereo line inputs
- 2 balanced main outputs
- 2 line outputs
- 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 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, 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 for stage monitors or external processors.
- Keep Bluetooth volume controlled from the mixer for consistency.
- Use headphones to check your mix before outputting live.

7. Specifications

- **Channels:** 12 (10 mono, 2 stereo)
- **Inputs:** 10 mono inputs, 2 stereo inputs
- **Outputs:** 2 balanced outputs, 2 line outputs
- **Level Meter:** 12-segment LED
- **Digital Effects:** 99 presets
- **EQ:** 3-band per channel
- **Phantom Power:** Yes (+48V)
- **Connectivity:** USB, Bluetooth, recording, MP3 playback
- **Additional Features:** Headphone output, 2 AUX outputs, 1 return channel, mute on all channels
- **Faders:** 60 mm high-precision logarithmic sliders