Phenyx Pro PTL-800

Phenyx Pro PTL-800 8-Channel Audio Mixer Instruction Manual

Model: PTL-800

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Phenyx Pro PTL-800 8-Channel Audio Mixer. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the unit.

The PTL-800 is a professional 8-channel audio mixer designed for various applications, including stage performances, home studios, live streaming, and broadcast. It features extensive connectivity, advanced routing capabilities, versatile sound-shaping options, and integrated wireless streaming.

2. SAFETY INSTRUCTIONS

- Ensure the mixer is connected to a grounded power outlet.
- Do not expose the unit to rain or moisture to prevent electric shock or fire.
- Avoid placing the unit near heat sources or in direct sunlight.
- Do not open the casing; refer all servicing to qualified personnel.
- Keep the unit away from children.
- Always turn off the mixer and disconnect the power adapter before cleaning or moving.

3. PACKAGE CONTENTS

The following items are included in your Phenyx Pro PTL-800 package:

- 1 x PTL-800 Mixing Console
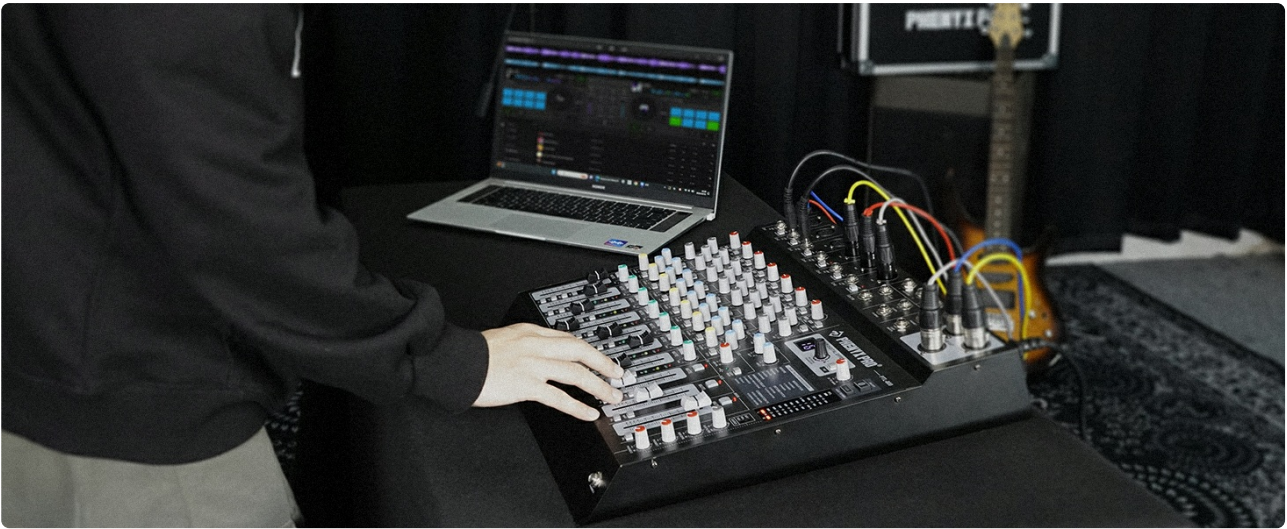- 1 x User Manual

- 1 x Power Adapter

Image: Contents of the Phenyx Pro PTL-800 package, including the mixer, user manual, and power adapter.

4. PRODUCT FEATURES

- **Extensive Connectivity:** Offers 6 separate XLR/LINE inputs, a pair of L/R TRS inputs, Bluetooth, and USB-B connectivity. Diverse outputs include 2 AUX, 1 BUS, 2 stereo headphones, and 3 XLR main outputs (L, R, SUB).
- **Advanced Routing:** Each channel supports pre/post-fader sends for 2 AUX outputs, routing to the BUS auxiliary track, and directing low-frequency signals to the SUB output. FX track can be optionally routed to channels.
- **Versatile Sound-Shaping:** Features 16 high-quality DSP effects, SEND/RETURN outputs for external effects, individual +48V phantom power for condenser microphones, specially designed preamps, and 3-band EQ for vocals.
- **Wireless Streaming & Recording:** Equipped with Bluetooth for wireless music streaming and USB-B for PC recording and playback.
- **Dual Monitoring:** Two stereo headphone outputs with independent volume control for comprehensive monitoring.

5. CONTROLS AND FUNCTIONS OVERVIEW

Image: Top-down view of the Phenyx Pro PTL-800 8-Channel Audio Mixer, showing all controls and inputs.

5.1 Input/Output Section

Image: Diagram highlighting various input and output ports on the Phenyx Pro PTL-800 mixer, including XLR, TRS, RCA, Main Out, Sub Out, Bus Out, Aux Send, FX Send/Return, and Headphone outputs.

- **XLR/LINE Inputs (CH1-6):** Combination jacks for XLR microphones and 1/4" TRS/TS line-level devices. Each channel features XDR2 mic preamps for clear sound.
- **+48V Phantom Power:** Individual switches for each XLR input to supply power to condenser microphones.

- **INSERT Jacks (CH1-6):** 1/4" TRS jacks for connecting external signal processors (e.g., compressors) to individual channels.
- **Stereo Inputs (CH7/8):** 1/4" TRS L/R inputs for stereo line-level devices.
- **RCA Inputs (2-Track In):** RCA L/R inputs for connecting external playback devices like CD players or laptops.
- **USB-B Port:** Connects to a PC for recording the main mix or playing back audio.
- **Bluetooth Module:** For wireless audio streaming from compatible devices.
- **MAIN OUT (XLR L/R):** Balanced XLR outputs for connecting to main PA systems or powered monitors.
- **SUB OUT (XLR):** Balanced XLR output for connecting to powered subwoofers, with dedicated level control and crossover.
- **BUS OUT (1/4" TRS):** 1/4" TRS output for sending a separate signal mix, useful for live streaming or additional monitoring.
- **AUX SEND (1/4" TRS):** 1/4" TRS outputs for sending signals to external effects processors or monitor mixes.
- **FX SEND/RETURN (1/4" TRS):** Dedicated jacks for integrating external effects units.
- **PHONES 1 & 2 (1/4" TRS):** Dual stereo headphone outputs with independent volume controls for monitoring.

5.2 Channel Strip Controls

- **GAIN Knob:** Adjusts the input sensitivity for each channel. Use the PAD button for high-output sources.
- **PAD Button:** Attenuates the input signal by 26dB for high-output sources to prevent clipping.
- **EQ (High, Mid, Low):** 3-band equalizer for tone shaping on each channel.
- **AUX Knob:** Controls the amount of signal sent to the AUX output. Can be set to pre-fader (for monitor mixes) or post-fader (for effects).
- **FX Knob:** Controls the amount of signal sent to the internal DSP effects processor.
- **PAN Knob:** Adjusts the stereo position of the channel's signal (left to right).
- **MUTE Button:** Mutes the channel's output to the main mix, BUS, and AUX.
- **PFL/SOLO Button:** Pre-Fader Listen/Solo allows monitoring the channel's signal through headphones before it reaches the main mix.
- **Channel Fader:** Adjusts the output level of each individual channel to the main mix.

5.3 Master Section Controls

- **16 DSP Digital Effects:** Select and adjust 16 built-in effects (reverbs, delays, chorus, flanger, etc.) using the PROGRAM/PARAMETER knob.
- **7-Band Stereo Graphic Equalizer:** Provides precise frequency control over the main L/R mix. Includes an EQ KILL button to bypass the equalizer.
- **Main L/R Faders:** Control the overall output level of the stereo main mix.
- **FX Fader:** Adjusts the overall return level of the internal effects to the main mix.
- **SUB Level Knob:** Controls the output level of the SUB output.
- **BUS Level Knob:** Controls the output level of the BUS output.
- **Headphone Level Knobs:** Independent volume controls for PHONES 1 and PHONES 2.

6. SETUP GUIDE

6.1 Connecting Power

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the included power adapter to the mixer's power input.
3. Plug the power adapter into a suitable AC power outlet.

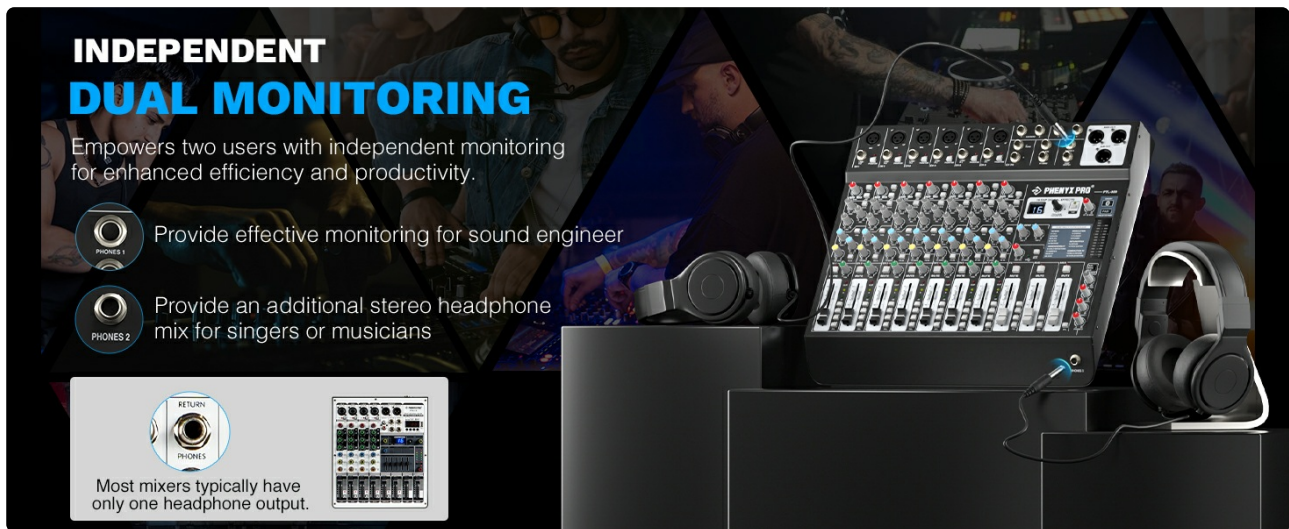## 6.2 Connecting Microphones and Instruments

Image: Diagram illustrating various connectivity options for the Phenyx Pro PTL-800, showing microphones, instruments, and other audio devices connected to the mixer.

- **XLR Microphones:** Connect dynamic microphones directly to the XLR inputs (CH1-6). For condenser microphones, activate the +48V phantom power switch for the respective channel.
- **Line-Level Instruments:** Connect instruments like keyboards, guitars (with a DI box if needed), or other audio devices to the 1/4" LINE inputs (CH1-6) or Stereo Inputs (CH7/8).
- **External Processors:** Use the INSERT jacks on channels 1-6 to integrate compressors or gates.

6.3 Connecting Speakers and Monitors

- **Main Speakers:** Connect your main PA system or powered monitors to the XLR MAIN OUT L/R.
- **Subwoofer:** Connect a powered subwoofer to the XLR SUB OUT.
- **Stage Monitors:** Use the 1/4" TRS AUX SEND outputs to connect to stage monitors.
- **Live Streaming/Recording Feed:** Connect to a streaming device or secondary recorder via the 1/4" TRS BUS OUT.

6.4 USB-B PC Connection

- Connect the USB-B port on the mixer to your computer using a USB-B cable.
- The mixer will be recognized as an audio interface, allowing you to record the main mix or play audio from your PC through the mixer.

6.5 Bluetooth Pairing

- Activate the Bluetooth function on the mixer (refer to the USB Player section for controls).
- On your smart device, search for available Bluetooth devices and select

Related Documents - PTL-800

	[Phenyx Pro PRX-600 6-Channel Mixing Console Owner's Manual](#) Comprehensive owner's manual for the Phenyx Pro PRX-600 6-Channel Mixing Console, detailing its features, specifications, operating instructions, and warranty information. Learn about its 3-band EQ, USB/Bluetooth functionality, and stereo equalizer.
	[Phenyx Pro PRX-100 4-Channel Mixing Console Owner's Manual](#) Comprehensive owner's manual for the Phenyx Pro PRX-100 4-Channel Mixing Console, detailing its features, specifications, operating instructions, and warranty information. Includes 3-band EQ, USB input/recording, and Bluetooth.
	[Phenyx Pro PTU-71/7000/6000 Series: Selectable UHF Wireless Microphone System User Manual](#) Comprehensive user manual for the Phenyx Pro PTU-71, PTU-7000, and PTU-6000 Series selectable UHF wireless microphone systems. Covers system overview, features, components, setup, operation, troubleshooting, specifications, and warranty information.
	[Phenyx Pro PTU-71/7000/6000 Series UHF Wireless Microphone System User Manual](#) Comprehensive user manual for the Phenyx Pro PTU-71, PTU-7000, and PTU-6000 series Auto-Scan UHF Dual, Quad, and Eight-Channel Wireless Microphone Systems. Includes setup, operation, functions, troubleshooting, and specifications.
	[Phenyx Pro PTU-51/5000/4000 Series Wireless Microphone System User Manual](#) Comprehensive user manual for the Phenyx Pro PTU-51/5000/4000 Series Fixed UHF Frequency Dual/Quad/Eight-Channel Wireless Microphone System. Provides detailed information on system overview, features, components, functions of parts, operation guidance, wireless tips, troubleshooting, specifications, and warranty information.
	[Phenyx Pro PTU-71/7000/6000 Series Wireless Microphone System Owner's Manual](#) Owner's manual for the Phenyx Pro PTU-71/7000/6000 Series of selectable UHF frequency dual, quad, and eight-channel wireless microphone systems. Includes system overview, features, components, setup, operation, troubleshooting, specifications, and warranty information.