

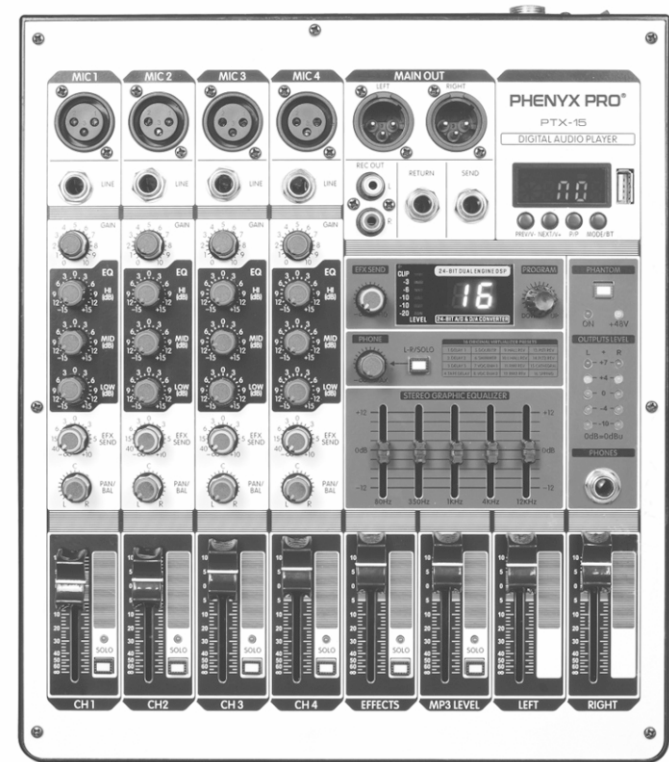
PHENYX PRO®

PTX-15

Phenylx Pro 4-Channel Audio Mixer Sound Board System

Features Digital USB/Bluetooth Input And Stereo Graphic Equalizer

w/ 16 effects And Studio Monitor Function



PHENYX PRO®



www.phenylxusa.com | www.phenylxpro.com

OWNER'S MANUAL

Technical Support & Warranty Information

Our Warranty to you:

Phenyx Technology (“Phenyx”) warrants Phenyx products against evident defects in material and workmanship for a period of one year from the date of original purchase for use. This warranty is valid exclusively in the US and applies only to the original owner. If you discover a defect covered by this warranty, Phenyx will repair or replace the product at our sole discretion using new or refurbished components. Performance of repairs or replacements under this Warranty is subject to registration of your product at www.phenyxusa.com/registerproduct.

Product failures not covered by this warranty:

This warranty covers defects in manufacturing that arise from the correct use of the device. It is limited to defects in materials or workmanship and does not cover electrical or mechanical damage resulting from abuse, misuse, unauthorized modification, lack of reasonable care, extreme heat, cold, damage due to natural forces, or corrosive environments. This warranty does not cover the normal wear and tear on covers, housing, connectors, and accessories.

Limits of liability:

If your Phenyx product fails or does not perform as warranted, your sole recourse shall be to replace or repair it as described above. Phenyx will not be liable to you or anyone else for any damages that result from the failure of this product. These damages include, but are not limited to, the following: lost profits, lost savings, lost data, damage to other equipment, and incidental or consequential damages arising from the use of or inability to use this product. IN NO EVENT PHENYX SHALL BE LIABLE FOR MORE THAN THE AMOUNT OF YOUR PURCHASE PRICE, NOT TO EXCEED THE CURRENT LIST PRICE OF THE PRODUCT.

How to obtain service under this warranty:

Please contact us at service@phenyxusa.com or support@phenyxpro.com with any questions or concerns about your products and a Phenyx Pro representative will contact you to provide assistance. You can also reach us through Facebook page <http://www.facebook.com/phenyxusa/>, our official website: www.phenyxusa.com, or our shopping website: www.phenyxpro.com.

Thank you for purchasing the PHENYX PRO PTX-15 Audio Mixer.

This manual includes a description of features and a step-by-step guide to operate the unit.

Please read this manual carefully to ensure proper use and operation, and keep it for future reference.

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System Description

Box Contents

- 1 Audio Mixer
- 1 AC/DC Adapter
- 1 User's Manual

System Overview

The PTX-15 is a 4-Channel Bluetooth studio mixer. No matter what your audio mixing needs, the Phenyx Pro PTX-15 mixing console provides the performance and features that can take your talent to the next level.

The studio mixer is equipped with the following features to offer professional sound quality and flexible personal mix:

- 4 Mono input channels with gold plated XLRs and balanced line inputs
- Ultra-low noise discrete mic preamps with +48V phantom power
- Balanced inputs for high signal integrity
- 3-Band EQ on all channels with built-in 16 digital special effects
- Extremely high headroom to offer more dynamic range
- Separate master mix outputs control with stereo graphic equalizer for tone control over different frequencies, and headphone monitoring function when SOLO button is pressed.
- USB/FLASH READER/MP3 compatibility. Bluetooth wireless streaming function, which enable users to stream music tunes from iPad, iPhone, and Android smart phone.

SPECIFICATIONS

• Mono Inputs

Mic input	Electronically balanced, discrete input configuration
Bandwidth	10Hz to 60kHz \pm 3dB
Distortion(THD&N)	0.01% at 4 dBu, 1kHz, Bandwidth 80 kHz
TRIM range	+10dB to +60dB
Line Input	Electronically balanced
Bandwidth	10Hz to 60kHz \pm 3dB
Distortion(THD & N)	0.01% at 4dBu, 1kHz, Bandwidth 80kHz
Line level range	+10dBu to -40 dBu

• Equalization

Hi Shelving	12kHz \pm 15dB
Mid Range	2.5kHz \pm 15dB
Lo Shelving	80Hz \pm 15dB

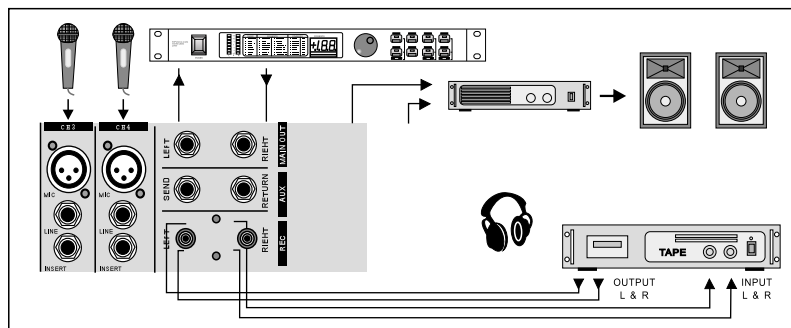
• Master Mix Section

Max Output	+22 dBu balanced
Aux Send Max Out	+22 dBu unbalanced
Control Room Out	+22 dBu unbalanced
Signal-To-Noise Ratio	112 dB, all channel at Unity Gain

• Power Supply

Mains Voltages	USA/Canada, -120V AC, 60Hz
	U.K./Australia, -240V AC, 50Hz

Set Up



1. AC Power In

Use the included AC adapter or connect the device to a wall outlet

2. Audio Connection

You will need a large number of cables for different applications. See above.

Please use commercial RCA cables to connect the 2-track inputs and outputs. You can, of course, also connect unbalanced devices to the balanced inputs/outputs. To do this, use either mono plugs or stereo plugs with the ring and sleeve bridged (pins 1 and 3 in the case of XLR connectors).

Never use unbalanced XLR connectors (PIN 1 and 3 connected) on the MIC input connectors when using the phantom power supply.

Operating Instructions

Control Elements and Connector

INPUT CHANNEL SECTION

1. BALANCE INPUT (MIC)

Standard XLR balanced input connector. +48V phantom power is available on each input mic socket.

2. LINE INPUT

Unbalanced mic input connector, designed for unbalanced high impedance input signal.

3. GAIN CONTROL

Adjust the input signal level.

4. HI EQ

High range EQ control for up to 15dB of boost or cut at 12KHz and above. Use it to add sizzle to cymbals, add an overall sense of transparency or edge to keyboard, vocals, and guitar.

5. MID EQ

Mid range EQ control for up to 12 dB of boost or cut centered at 2.5KHz. Midrange EQ is often thought of as the most dynamics because the frequencies that define any particular sound are almost always found in this range. You can create useful EQ changes by using this knob to adjust sound.

6. LOW EQ

Low range EQ control for up to 15dB boost or cut at 80Hz and below. This frequency represents the punch in bass drums and bass guitar.

7. EFX SEND

8. PAN

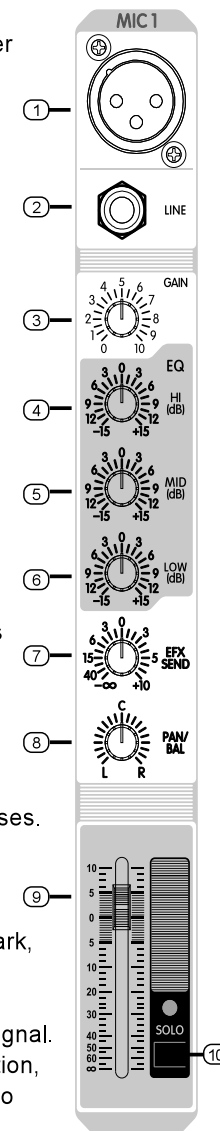
The pan control sends post fader signal to either the left or right and G1 or G2 main busses. In the center position, equal amounts of signal are sent to the left and right or G1 & G2 busses.

9. CHANNEL FADER

Adjust the volume of the sound input from the microphone or other sources connected to each channel. It works together with the master fader. Normal operating position is at the "0" mark, providing 4dB gain above that point if required.

10. PFL SWITCH

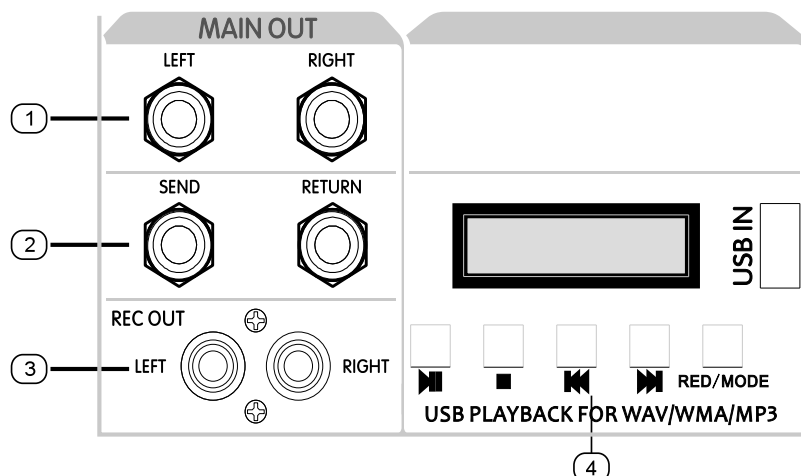
This switch enable users to monitor the channel's pre-fader signal. Press "SOLO" on master panel and press "SOLO" in this section, then the channel's pre-fader unprocessed signal will be sent to PHONES and user can monitor the sound before output.



Operating Instructions

Control Elements and Connector

MIXER OUTPUT SECTION



- 1. MAIN OUTPUT JACK (LEFT/RIGHT)**
Output mix to main amplifier through 1/4" jack.
- 2. AUX SEND/RETURN JACK**
Connect all kinds of effects from outside
- 3. RECORD PIN JACK**
Connect with cassette deck when recording the mixed output
- 4. USB/BLUETOOTH PLAYER**
USB playback for WAV/WMA/MP3. It also has Bluetooth function to connect to smart phones/iPad wirelessly.

Operating Instructions

Control Elements and Connector

MASTER SECTION

- 1. SEND/EFFECT**
Adjust the strength of after-effect signal
- 2. HEADPHONE LEVEL**
When the SOLO button next to it was pressed, this knob can be used to adjust the volume of signal sent to headphone for sound monitoring
- 3. EFFECT DISPLAY**
LCD display for 16 effects
- 4. EFFECT SELECTION**
Turn the knob to select different effects and press the knob to confirm selection
- 5. EFFECT LEVEL**
Adjust the volume of effect signal
- 6. STEREO GRAPHIC EQUALIZER**
Equalizer provided for tone control and precise high quality sound over each frequency
- 7. OUTPUT MAIN FADER (LEFT/RIGHT)**
Master fader for adjustment of left/right output volume
- 8. MP3 LEVEL**
Adjust the volume of MP3/Bluetooth signal input
- 9. PHANTOM POWER SELECTION**
Press this button when the phantom power supply is switched on. The phantom power supply is necessary for condenser microphones and is activated when using the Mic/Line input jack.
- 10. PHONE OUTPUT**
Connect headphone to this jack to monitor output sound. If SOLO button is pressed, you can monitor pre-fader sound before output.

