PHENYX PRO ®
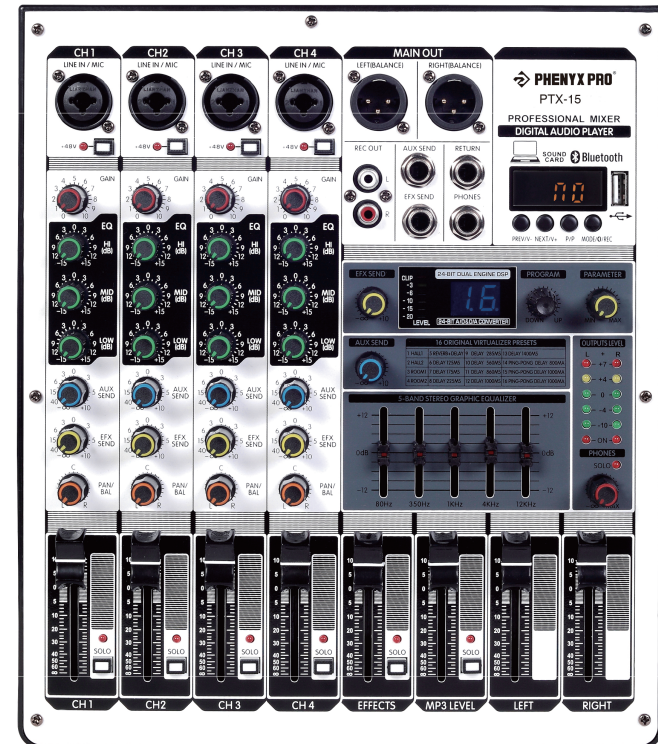
PTX-15

Phenyx Pro 4-Channel Audio Mixer Sound Board System
Features Digital USB/Bluetooth Input And Stereo
Graphic Equalizer w/16 effects And Studio Monitor Function

OWNER'S MANUAL

PHENYX PRO ®

www.phenyxpro.com
Designed in U.S   Made in China

Technical Support
& Warranty Information

Our warranty to you:

Phenyx Technology ("Phenyx") warrants Phenyx products against evident de-fects 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 sub-ject 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 profi ts, 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:

If you are receiving a system that is defective or you have any questions regarding operation or warranty cover, please contact us at support@phenyxpro.com with any questions or concerns and a Phenyx Pro representative will contact you to provide assistance. You can also reach out to us through Facebook page: www.facebook.com/phenyxusa/ or our official 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.

Table of Contents

System Description

– 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 output controls 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 ±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 ±3dB
Distortion(THD & N)	0.01% at 4dBu, 1kHz, Bandwidth 80kHz
Line level range	+10dBu to -40 dBu

· Equalization

Hi Shelving	12kHz +/- 15dB
Mid Range	2.5kHz +/- 15dB
Lo Shelving	80Hz +/- 15dB

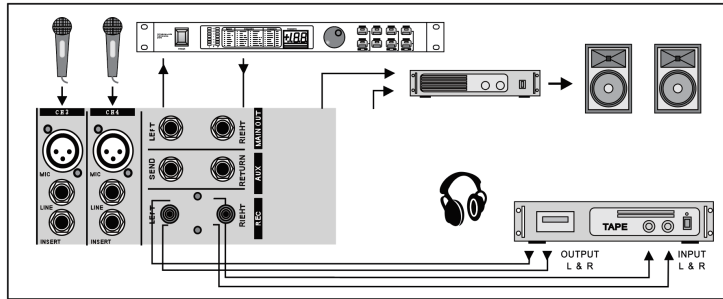### · Master Mix Section

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

Operation Instructions

Setup

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 output-s.You can, of course, also connect unbalanced devices to the balanced input-s/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.

INPUT CHANNEL SECTION
1.INPUT JACK (MIC/LINE)
This multipurpose input jack allows both standard XLR conne-ctor and 1/4" line connector. Balanced and unbalanced input are both suitable for this input jack.
2.PHANTOM POWER SWITCH
Press this button to enable phantom power for this channel.
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 sen-se 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 dyna-mics because the frequencies thatdefine 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.AUX SEND CONTROL
Adjust the signal level sent the AUX SEND jack.
8.EFX SEND
9.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 amou-nts of signal are sent to the left and right or G1 & G2 busses.
10.CHANNEL FADER
Adjust the volume of the sound input from the microphone or other sources connected to each channel. It works together with the maser fader. Normal operating position is at the "O" mark, providing 4dB gain above that point if required.
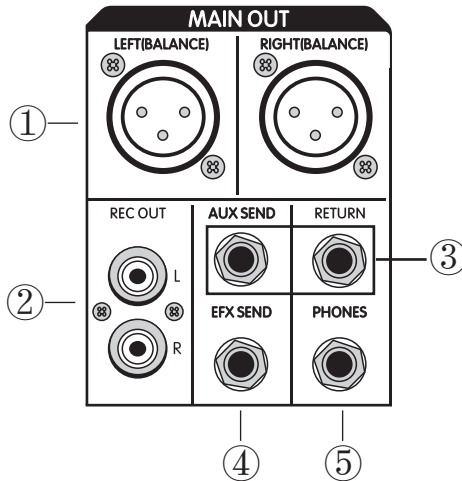**11.PFL SWITCH**
This switch enable users to monitor the channel's pre-fader si-gnal. Press "SOLO" on master panel and press "SOLO" in this section, then the channel's pre-fader unprocessed signal will be sent to PHONES and user can monitor the sound before output.
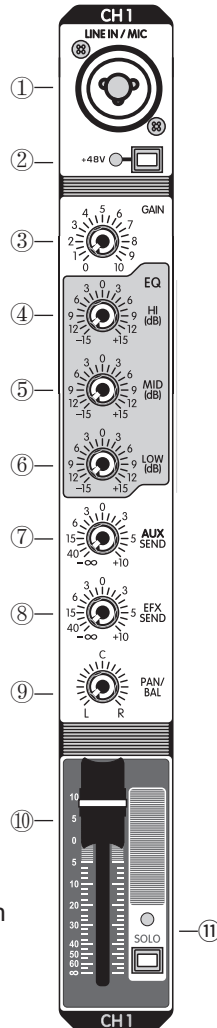
MIXER OUTPUT SECTION

1. MAIN OUTPUT JACK (LEFT/RIGHT)

Send the mixed output to main amplifier or next stage equipment through

XLR jacks.

2.REC OUT JACKS

RCA jacks for recording the mixed output.

3.AUX SEND/RETURN JACK

Connect all kinds of effects from outside.

4.EFX SEND JACK

Output for after-effects signals.

5.PHONES JACK

Connect headphone to this jack to monitor the output.

MASTER SECTION

1.EFX SEND

Adjust the strength of after-effect

signal.

2.EFFECT DISPLAY

LCD display for 16 effects.

3.EFFECT SELECTION KNOB

Turn the knob to select different

effects and short press the knob

to confirm selection.

4.PARAMETER KNOB

Adjust the strength of the effects.

5.AUX SEND KNOB

Adjust the volume of the aux-send

jack.

6.STEREO GRAPHIC EQUALIZER

Equalizer provided for tone control

and precise high quality sound over

each frequency.

7.PHONE OUTPUT

Adjust the volume of the headphone

monitor output.

8.EFFECT LEVEL

Adjust the volume of the effect signal.

9.MP3 LEVEL

Adjust the volume of the MP3/Bluetooth input signal.

10.OUTPUT MAIN FADER (LEFT/RIGHT)

Master fader for adjustment of left/right output volume.