

# PHENYX PRO<sup>®</sup>

## PRX-600

Phenyx Pro 6-Channel Mixing Console  
3-Band EQ, USB/Bluetooth Function, Stereo Equalizer



### OWNER'S MANUAL



*Thank you for purchasing the Phenyx Pro PRX-600 Six-Channel Audio Mixer. For the best results and the utmost satisfaction for your new unit, please read this manual carefully to ensure proper operation, and keep it for future reference. For more information, please visit our store:*  
*[www.phenyxpro.com](http://www.phenyxpro.com)*

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# System Description

## Box Contents

- 1 x PRX-600 Audio Mixer
- 1 x Power Adapter
- 1 x User Manual

## System Overview

Built-in 16 DSP function, stereo graphic equalizer, and 3-band EQ enable precise and dynamic personal mix for home recording and gigging

The +48V phantom power switches enable use with studio-grade condenser microphones. Headphone and monitor outputs deliver better control in sound performances

With its USB/Bluetooth function, you can stream audio wirelessly or via the USB drive. Besides, the built-in USB recording interface allows you to stream audio out and record via USB drive or computer/PC, making it an ideal choice for setting up your own high-performance home recording studio

# Operating Instruction

## Control Element and Connector

### A.INPUT CHANNEL SECTION

#### 1.BALANCED INPUT (MIC)

Electronically balanced input for XLR connector

#### 2.LINE INPUT

Unbalanced input for mic or unbalanced high impedance input signal

#### 3.+48V PHANTOM POWER SWITCH

Press this button to switch on +48V phantom power. The phantom power supply is necessary for condenser microphone

#### 4.GAIN CONTROL

Adjust the input signal gain. This control should always be turned fully counterclockwise whenever you connect or disconnect a signal source to one of the inputs

#### 5.PAD SWITCH

Attenuate input signal by 20dB by pressing this button

#### 6.HIGH EQ

High range EQ control for up to 15dB boost or cut at 12KHz and above

#### 7.MID EQ

Mid range EQ control for up to 12 dB 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

#### 8.LOW EQ

Low range EQ control for up to 15dB boost or cut at 80Hz and below.

#### 9.AUX1 MON

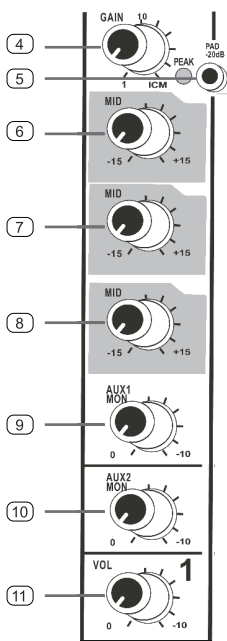
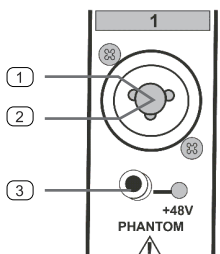
This control knob is to determine the level of the channel signal in the MON mix and MON output

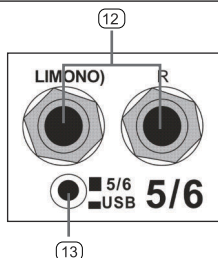
#### 10.AUX2 FX

This control knob is to determine the level of the channel signal in the FX mix and FX output

#### 11.VOL

Adjust the volume of channel input and determine the level of the channel signal in the MAIN mix and MAIN output





## 12.L&R LINE INPUT

Work as mono line inputs for channel 5 & 6 or stereo inputs

## 13.STEREO 5-6/USB

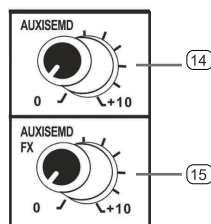
When the button is up, control and monitor the signal from channels 5 & 6. When the button is pressed down, control and monitor signal from USB

## 14.AUX1 SEND

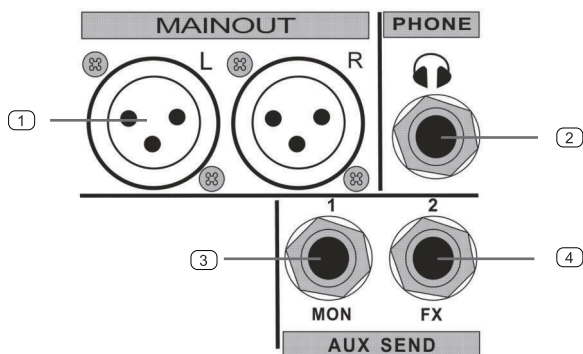
This control knob is to determine the level of signal from AUX1 MON to MON output

## 15.AUX2 SEND

This control knob is to determine the level of signal from AUX2 FX to FX output



## B.OUTPUT SECTION



## 1.MAIN OUT

Output the MAIN mix signal with balanced XLR connector

## 2.PHONE

Connect headphone to this jack and monitor sound output. The signal on the PHONE connection is sourced from the main output

## 3.MON

Output to monitor system. The signal on the MON connection is sourced from individual channel determined by AUX1 MON.

## 4.FX

Output to monitor system or other next stage system. The signal on the FX connection is sourced from individual channel determined by AUX2 FX

## C.USB/BLUETOOTH FUNCTION

### 1.LCD Display

The LCD will show "NO" in the default setting, "bBLUE" when the mixer is in Bluetooth mode, "rEC" when connected to the USB drive for recording, "PC" when connected to the computer/PC for recording, "ONE" when the mixer is in song repeat mode, and "ALL" when the mixer is in song loop mode

### 2.USB PORT

### 3.P/P

Short press to play/pause music. Long press to enter the song repeat mode (LCD display will show "ONE"). Long press again to enter song loop mode (LCD display will show "ALL")

### 4.PREV

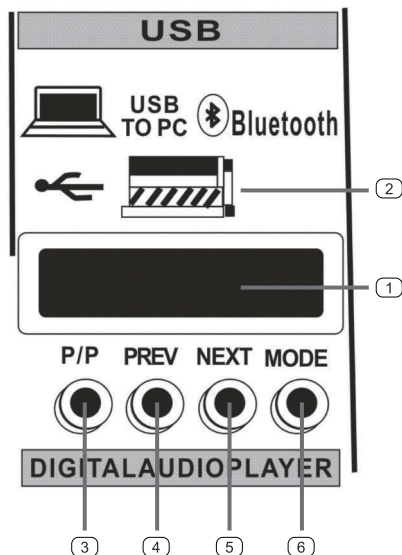
Short press to select the previous song or long-press to decrease volume

### 5.NEXT

Short press to select the next song or long-press to increase volume

### 6.MODE

This is a menu button to select different modes and functions. Short press to select Bluetooth (LCD display will show "bBLUE") mode and recording mode (LCD display will show "rEC")



## D.MASTER SECTION

### 1.STEREO GRAPHIC EQUALIZER

7-band equalizer for tone control over each frequency

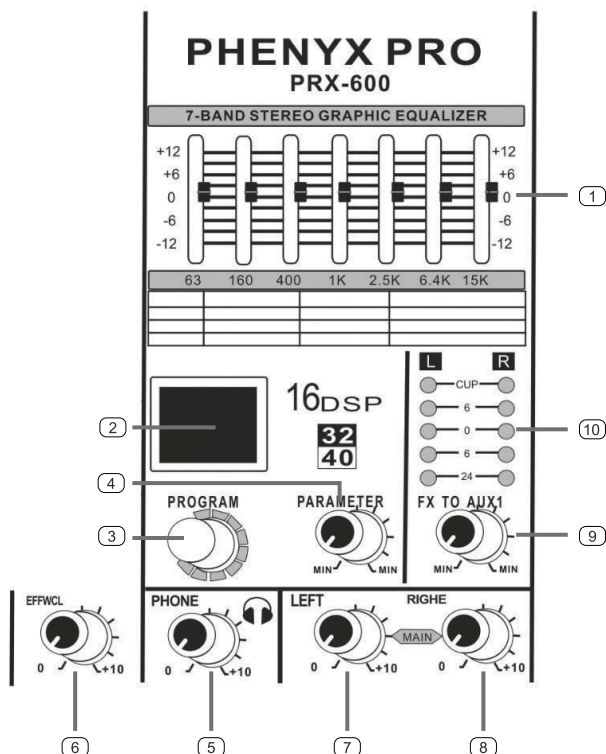
### 2.16 DSP DIGITAL MULTI EFFECTS

### 3.PROGRAM

You can select the effect preset by turning the PROGRAM control. The display flashes the number of the current preset. To recall the selected preset, press the button; the flashing stops

### 4.PARAMETER

Adjusts the parameter (depth,speed,etc.) for the selected effect



## 5.PHONE

Adjust the volume of the PHONE output

## 6.EFF VOL

Adjust the volume of the 16 DSP effect processor

## 7.LEFT

Adjust the volume of the left main output

## 8.RIGHT

Adjust the volume of the right main output

## 9.FX TO AUX1

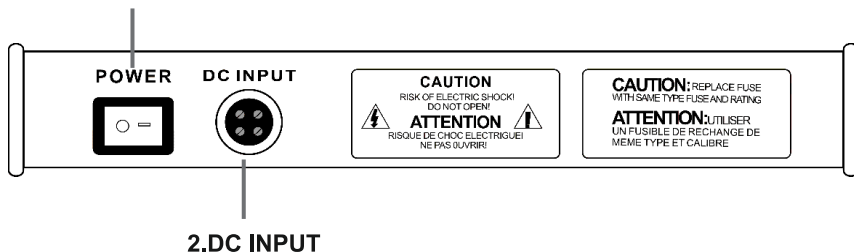
This control knob is to determine the level of effect signal added to MON output

## 10.SIGNAL LEVEL INDICATOR

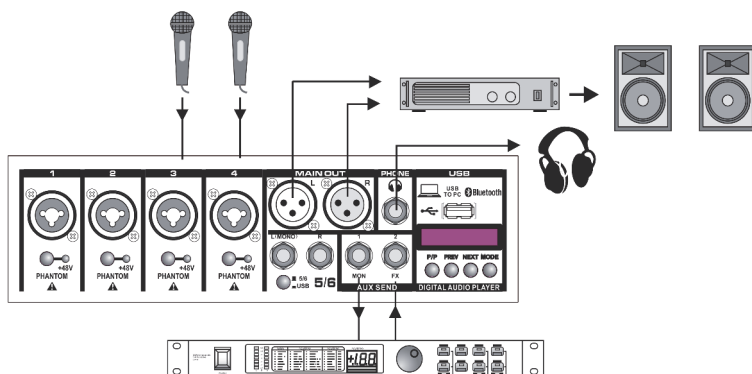


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## 1. POWER SWITCH



## Set Up



## 1. AC Power In

Use the included ACadapter or connect the device to a wall outlet

## 2. Audio Connection

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

You can, of course, also connect unbalanced equipment 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).

## Balanced XLR connectors

Input



1=ground/shield

2=hot(+ve)

3=cold(-ve)

For unbalanced use pin 1 and pin 3 have to be bridged

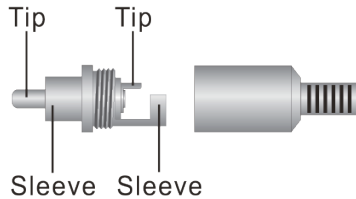
## RCA connectors



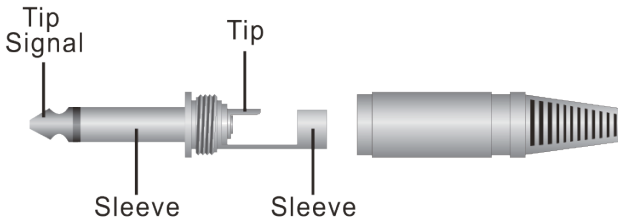
White  
Left channel



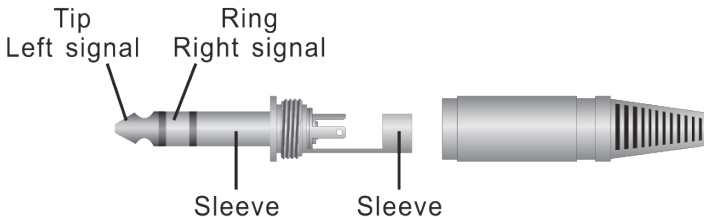
Red  
Right channel



## Unbalanced 1/4" TS connector



## 1/4" TRS headphones connector



# Specifications

Mono Inputs	
Mic input	electronically balanced, discrete input configuration
Bandwidth	10 Hz to 60kHz +/-3dB
Distortion (THD&N)	0.01% at 4 dBu, 1kHz, Bandwidth 80kHz
Mic E.I.N (22 Hz-22 kHz)	-129.5dBu, 150 Ohm source
	-117.3 dBqp, 150 Ohm source
	-132.0 dBqp, input shorted
	-122.0 dBqp, input shorted
GAIN range	+6dB to +60dB
Line Input	electronically balanced
Line level range	+10dBu to -40dBu
Equalization	
Hi Shelving	Hi Shelving 12kHz +/-15dB
Mid Range	Mid Range 2.5kHz +/-15dB
Low Shelving	Low 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	12dB, all channels at Unity Gain

Power Supply	
Mains Voltages	
USA/Canada	~120VAC, 60Hz
U.K/Australia	~240VAC, 50Hz
China/NA	~220VAC, 50Hz

# 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](http://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:**

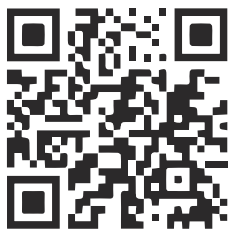
If your Phenyx product fails or does not perform as warranted, your sole recourse shall be to replace or repair it as described above. Phenyx will not be liable to you or anyone else for any damages that result from the failure of this product. These damages include, but are not limited to, the following: 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:**

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](mailto: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/](https://www.facebook.com/phenyxusa/) or our official website: [www.phenyxpro.com](http://www.phenyxpro.com)







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