

POWERPLAY PRO-XL HA4700



Technical Specifications

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POWERPLAY PRO-XL HA4700

POWERPLAY PRO-XL

4-Channel High-Power Headphones Distribution Amplifier



- ▲ Professional multi-purpose headphones amplifier system for stage and studio applications
- ▲ Four independent high-power amplifier sections provide up to four stereo mixes with individual balancing
- ▲ Each input/aux section can be separately set to capture individual demands for “more me mixing”
- ▲ Stereo aux input for each channel allows you to mix in any instrument or sound source
- ▲ Multi-functional ST./2-CH switch on each channel allows for either stereo playback or double mono operation
- ▲ Ultra-musical high and low EQ per channel for perfect sound adaptation
- ▲ Highest sonic quality with virtually all types of headphones (>8 Ohms) even at maximum volume
- ▲ Output level control with accurate 8-digit LED output meter per channel
- ▲ Left & right mute switches for each channel allow two different mixes in mono mode
- ▲ One front and two rear 1/4" TRS output connectors on each channel
- ▲ Direct front panel input connector for easy connection of any sound source
- ▲ Paralleled main outputs allow cascading of several headphones amplifiers
- ▲ Servo-balanced, gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ Ultra low-noise 4580 operational amplifiers for outstanding audio performance
- ▲ High-quality detented ALPS® potentiometers and illuminated switches
- ▲ High-quality components and exceptionally rugged construction for long life and durability
- ▲ Toroidal transformer for noise-free operation and low magnetic interference
- ▲ Manufactured under ISO9000 certified management system

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SPECIFICATIONS

AUDIO INPUTS

MAIN IN	HF-filtered, servo-balanced XLR- and 1/4" TRS connectors
Input impedance	40 k Ω balanced, 30 k Ω unbalanced
Max. input level	+16 dBu balanced and unbalanced
CMRR	typically 40 dB, >55 dB @ 1 kHz
AUX IN	1/4" TRS connector (stereo)
Input impedance	5 k Ω
Max. input level	+22 dBu
DIRECT IN	1/4" TRS connector (stereo)
Input impedance	15 k Ω
Max. input level	+22 dBu

AUDIO OUTPUTS

MAIN OUT	XLR- and 1/4" TRS connectors, balanced
PHONES OUTPUT	1/4" TRS connector (stereo)

POWER AMPLIFIER

Max. output power	+24 dBm (load impedance 100 Ω), +21 dBm (load impedance 8 Ω)
Min. output load impedance	8 Ω

SYSTEM SPECIFICATIONS

Frequency response	10 Hz to 150 kHz, +/-3 dB
Noise	22 Hz to 22 kHz >90 dB @ 0 dBu
Dynamic range	22 Hz to 22 kHz: 110 dB
Distortion (THD)	0.006 % typ. @ +4 dBu, 1 kHz, Gain 1

FUNCTION CONTROLS

Input Level	variable
Balance per channel	mix between Aux and Main signals / balance between right and left channel
Output Level per channel	variable
Treble	cutoff frequency: 6 kHz; range +/- 12 dB
Bass	cutoff frequency: 200 Hz, range +/- 12 dB

FUNCTION SWITCHES

Stereo/2-Channel	switches between stereo mode and 2-channel mode
Left mute	mutes the left signal of the respective channel
Right mute	mutes the right signal of the respective channel

DISPLAYS

Input level	4-digit LED-display: -30/-12/0 dB/CLIP
Output level	8-digit LED-display: -30/-24/-18/-12/-6/-3/0 dB/CLIP

POWER SUPPLY

Mains voltage	
USA/Canada	120 V~, 60 Hz
Europe/U.K./Australia	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
General export model	120/230 V~, 50 - 60 Hz
Power consumption	34 W
Fuses	100 - 120 V ~: T 630 mA H 200 - 240 V ~: T 315 mA H
Mains connection	standard IEC receptacle

DIMENSIONS AND WEIGHT

Dimensions (H x W x D)	approx. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Weight	approx. 5.08 lbs. (2.3 kg)

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