

POWERPLAY PRO-XL HA4700



www.behringer.com

Technical Specifications

VERSION 1.2 February 2003

ENGLISH



POWERPLAY PRO-XL HA4700

POWERPLAY PRO-XL

PROFESSIONAL HIGH-POWER 4-CHANNEL HEADPHONES AMPLIFIER SYSTEM



- ▲ Professional, multi-purpose headphones amplifier system for stage and studio applications
- ▲ Highest sonic quality with virtually all types of headphones >8 Ohms even at maximum volume
- ▲ 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 Stereo/2-channel 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
- ▲ 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
- ▲ Toroidal transformer for lowest noise interference and highest audio quality
- ▲ High-quality components and exceptionally rugged construction ensure long life
- ▲ Conceived and designed by BEHRINGER Germany

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)

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

The information contained in this publication is subject to change without notice. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER and POWERPLAY are registered trademarks. ALL RIGHTS RESERVED.

© 2003 BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany

Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30
