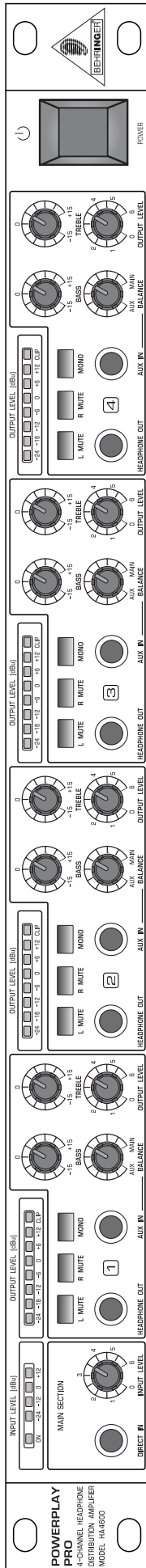


# POWERPLAY PRO HA4600



## Technical Specifications

Version 1.1 January 2004

ENGLISH

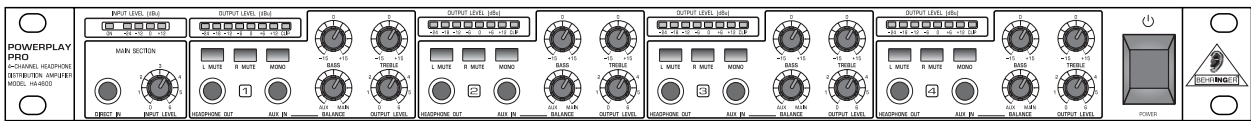
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## POWERPLAY PRO HA4600

# POWERPLAY PRO

Professional multi-purpose headphone amplifier system for stage and studio applications



- ▲ Four totally independent high-power stereo amplifiers in one rack space
- ▲ Four independent input/aux sections provide up to four stereo mixes
- ▲ Stereo aux input for each channel allows you to mix in any additional instrument or sound source
- ▲ Ultra-musical 2-band EQ per channel for effective sound adaptation
- ▲ Highest sonic quality even at maximum volume
- ▲ Output level control per channel
- ▲ Mono / stereo switch per channel for more flexibility
- ▲ Left & right mute switches per channel allow two different mixes in mono mode
- ▲ One front and two rear output's 1/4" TRS per channel
- ▲ Accurate 8-digit LED output meter per channel
- ▲ Front panel direct input connector for easy connection of any source
- ▲ Paralleled main outputs allow cascading of several headphone 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
- ▲ Shielded toroidal power transformer for minimal noise interference
- ▲ Designed in Germany. Manufactured under the ISO9000 certified management system

# POWERPLAY PRO HA4600

## SPECIFICATIONS

### AUDIO INPUTS

#### MAIN-Input

Connectors	XLR- and 1/4" TRS
Type	HF-filtered, servo-balanced input
Impedance	40 k $\Omega$ balanced, 20 k $\Omega$ unbalanced
Max. input level	+21 dBu balanced and unbalanced
CMRR	typically 40 dB, >55 dB @ 1 kHz

#### AUX IN- and DIRECT IN-Input

Connectors	1/4" TRS (tip = left, ring = right, sleeve = ground)
Type	unbalanced
Impedance	>15 k $\Omega$ unbalanced
Max. input level	+21 dBu unbalanced
CMRR	typically 40 dB, >50 dB @ 1 kHz

### AUDIO OUTPUTS

Connectors	XLR- and 1/4" TRS
Type	balanced / unbalanced
Impedance	depends on the input impedance
Max. output level	+21 dBu balanced and unbalanced

### SYSTEM SPECIFICATIONS

Frequency response	10 Hz to 100 kHz, +/-3 dB
Noise	>99 dBu, unweighted, 22 Hz to 22 kHz (>95 dB @ +4 dBu)
Distortion (THD)	0.005 % typ. @ +4 dBu, 1 kHz, Gain 1

### POWER AMPLIFIER

Max. output power	+26 dBm
Min. output impedance	100 $\Omega$

### FUNCTION CONTROLS

Input level	variable
Balance per channel	Mix between Aux and Main signals
Output level per channel	variable

### FUNCTION SWITCHES

Left mute	mutes the left signal of the respective channel
Right mute	mutes the right signal of the respective channel
Mono	switches this channel to mono

### DISPLAYS

Input level	4-digit LED-display: -24/-12/0/+12 dBu
Output level	8-digit LED-display: -24/-18/-12/-6/0/+6/+12 dBu/CLIP

### POWER SUPPLY

Mains voltage	USA/Canada	120 V~, 60 Hz
	U.K./Australia	240 V~, 50 Hz
	Europe	230 V~, 50 Hz
	general export model	120 / 230 V~, 50 - 60 Hz
Power consumption	40 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	approx. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Weight	approx. 2,7 kg
Shipping weight	approx. 3,5 kg

# POWERPLAY PRO HA4600

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