

Accuphase

STEREO POWER AMPLIFIER

P-4600

- 6-parallel push-pull power transistor output stage
- Large output 150 W / 8 ohms, 300 W / 4 ohms, 450 W / 2 ohms
- Instrumentation amplifier principle
- Current feedback amplification circuits
- Balanced remote sensing
- MCS+ circuit
- High damping factor of 800
- Speaker output protection
- Highly responsive large-scale power meters
- Support for bi-amping and bridged mode connections

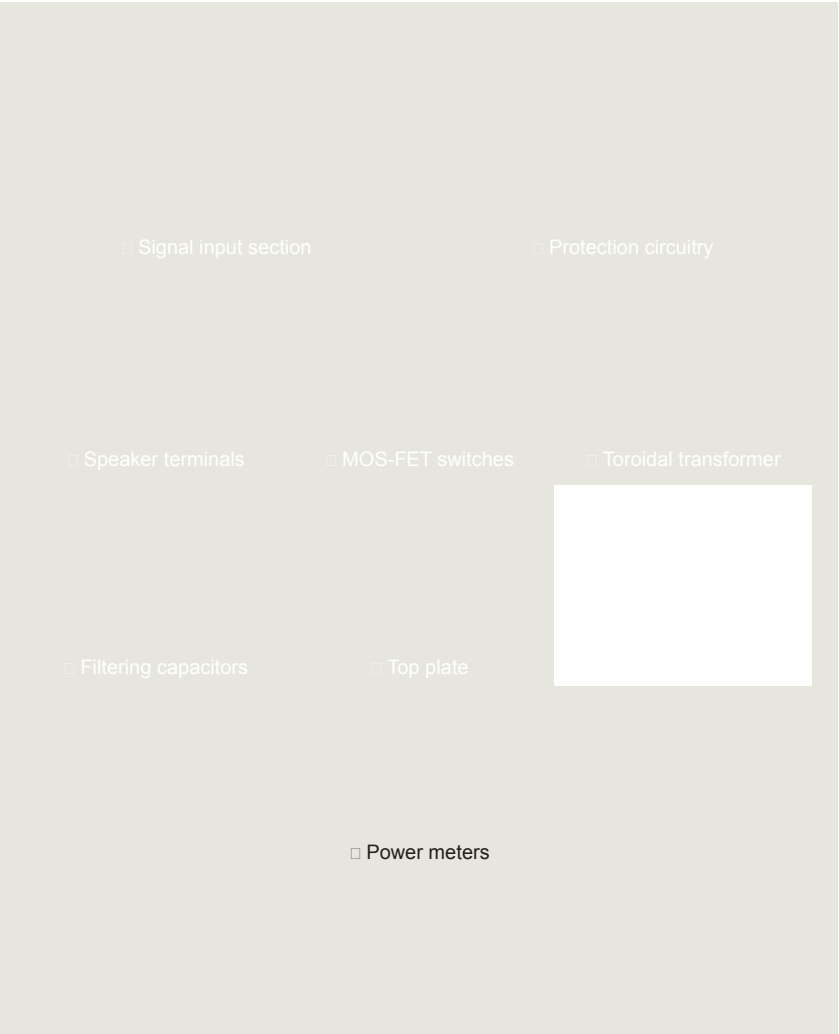


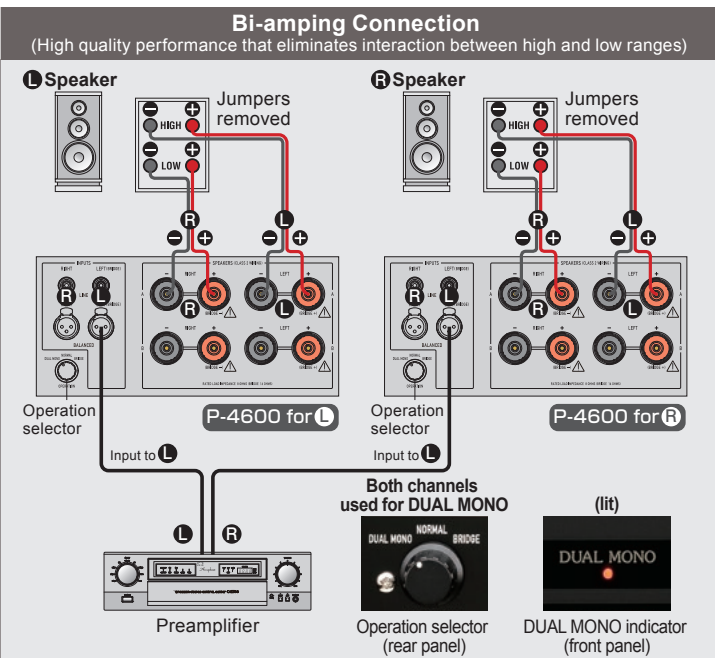
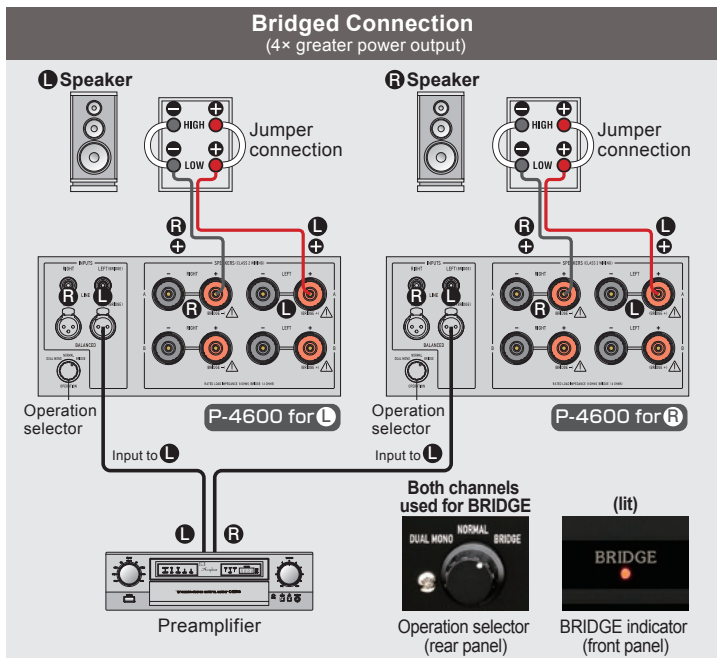
Advanced features

- Large output 150 W / 8 ohms, 300 W / 4 ohms, 450 W / 2 ohms
- ✓ 6-parallel push-pull power transistor output stage
- ✓ Instrumentation amplifier principle
- ✓ Current feedback amplification circuits
- ✓ Balanced remote sensing
- ✓ MCS+ circuit
- ✓ Three-stage Darlington configuration
- ✓ High damping factor of 800
- □ □ □ ✓ Meter display selector □
- ✓ LINE / BALANCED input switching □
- □ □ □ ✓ 4-step gain control □
- ✓ Polarity switching of balanced input connectors □
- ✓ Support for bi-amping and bridged modes □
- ✓ Ideal gain distribution in the signal input section □
- ✓ Speaker output protection circuit guards against short-circuiting □
- □ □ □ ✓ Large speaker terminals connected directly to protection circuitry □
- ✓ Highly reliable MOS-FET switches with no mechanical connections □
- ✓ Large, high-efficiency toroidal transformer □
- ✓ ~~LEDSDFLW~~ ~~LOWHUEDSDFLW~~ □ □ □ □ □ □ □ □ □ □
- ✓ Aluminum hairline finish top plate □
- ✓ High-carbon cast iron insulator feet with superior damping characteristics □
- ✓ Large, high-sensitivity power meters ranging from -50 dB □
- ✓ Power amplification section with a large heat sink □

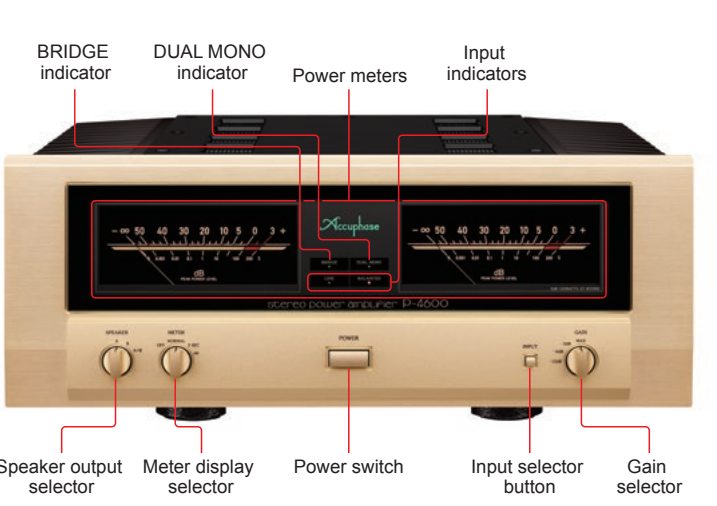
□ Power amplification section

- Meter display selector
- Input selector button
- Gain selector
- Balanced input polarity selector
- Operation selector

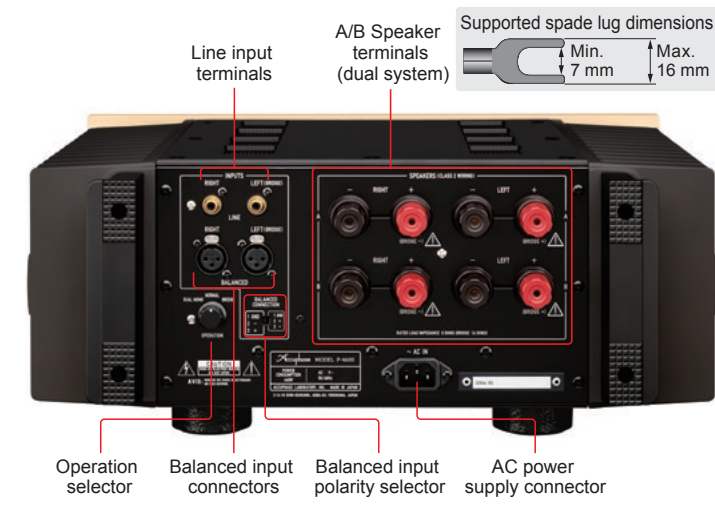




Front Panel



Rear Panel



P-4600 Guaranteed Specifications

Rated Output (20 – 20,000 Hz, 0.05%)	Load	8 ohms	4 ohms	2 ohms
	Normal / Bi-amping connection	150 W	300 W*1	450 W*1
Total Harmonic Distortion (20 – 20,000 Hz)	Normal / Bi-amping connection	2 ohms		0.05%
	Bridged connection	4 to 16 ohms		0.03%
Intermodulation Distortion	Bridged connection	4 to 16 ohms		0.05%
Frequency Response	At rated output	20 – 20,000 Hz (+0, –0.2 dB)		
	At 1 W output	0.5 – 160,000 Hz (+0, –3.0 dB)		
Damping Factor	Normal / Bi-amping connection	800 or greater		
Input Impedance	BALANCED / LINE input	40 kilohms / 20 kilohms		
	Output	At rated output	At 1 W output	
Input Sensitivity	Normal / Bi-amping connection	1.38 V	0.11 V	
	Bridged connection	2.76 V	0.11 V	
Signal-to-Noise Ratio (A-weighted, input shorted)	Gain switch at MAX / at –12 dB	125 dB/130 dB		

Gain	Gain switch	MAX	–3 dB	–6 dB	–12 dB
	Normal / Bi-amping / Bridged connection	28 dB	25 dB	22 dB	16 dB
Power Meters	Format	Logarithmic scale, with illumination off switch			
	Display range	–∞ to +3 dB			
	Peak hold time	0 sec. / 3 sec. / ∞ switchable			
Power Requirements	120/220/230 V AC, 50/60 Hz (Voltage as indicated on rear panel)				
Power Consumption	Idle	94 W			
	In accordance with IEC 62368-1	250 W			
	Stand-by	0.3 W			
Maximum Dimensions	Width 465 mm (18.3") × Height 190 mm (7.5") × Depth 427 mm (16.8")				
Mass	Net	30.0 kg (66.2 lbs)			
	In shipping carton	36 kg (80 lbs)			

● "Normal connection" indicates standard stereo operation.
*1: Limited to music signals

Supplied accessories
● AC power cord

Remarks
★ This product is available in versions for 120/220/230 V AC. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
★ The 230 V version has an Eco Mode that switches power off after 120 minutes of inactivity.
★ The shape of the plug of the supplied AC power cord depends on the voltage rating and destination country.



● The specifications and appearance of this product are subject to change without notice.
<https://www.accuphase.com>

ACCUPHASE LABORATORY, INC.
J2305Y 850-2239-00 (B1) PRINTED IN JAPAN