

iAMP1620

1600 Watt Digital Amplifier

iAMP3020

3000 Watt Digital Amplifier

iAMP4020

4000 Watt Digital Amplifier



Features

- ▶ 2RU-height and shortened back case design fits into any standard equipment rack
- ▶ High-responsive switching power supply provide high power with low noise and huge weight reduction
- ▶ Selectable high-pass filters help to reduce distortion and protect speakers
- ▶ Delicate switchable filter specially tailored for Subwoofer usage
- ▶ XLR and TRS 'combo' inputs, along with Speakon outputs, allow you to connect to practically any sound system for ultimate versatility
- ▶ Signal THRU/OUT modes for versatile operation
- ▶ Fast-recovery design yields lower distortion if clipping occurs
- ▶ Variable-speed cooling fans keep the system running smoothly
- ▶ Integrated protection circuitry prevents damage from short circuits, overheating, subsonic noise, RF interference, and output DC offset
- ▶ Power on/off muting protects speakers from sharp pops and spikes when amplifier is turned on and off
- ▶ Detent level controls allow you to dial in precise volume settings
- ▶ Front-panel LED indicators

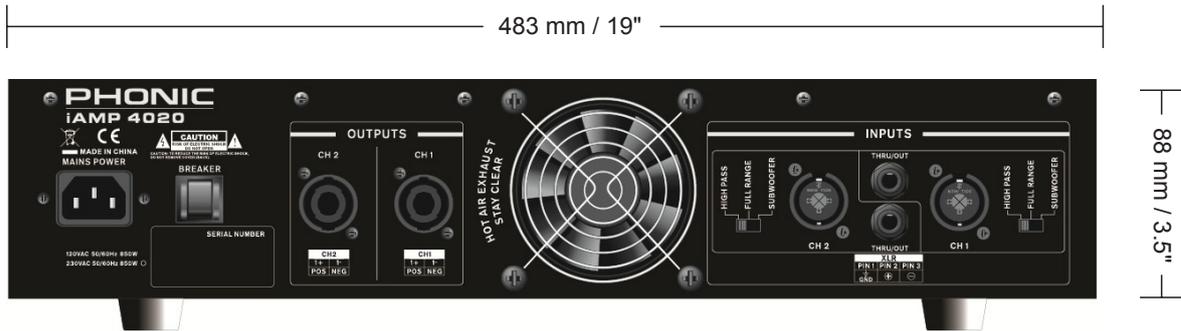
Description

Phonic iAMP power amplifiers offer digital amplification at its finest, providing 800 to 2000 Watts of sheer power per channel into loads as low as 2 ohms. The high-speed, high resolution class D circuitry works with the sturdy yet low-weight construction to create an amplifier strong enough for permanent installations yet light enough for portable sound purposes. Input to the iAMP is flexible, accepting both XLR and balanced 1/4" phone jack inputs via onboard combo jacks. Speakon jacks are provided for output to speakers.

iAMP SERIES

Professional Power Amplifiers

Dimensions



Specifications

	iAMP 1620	iAMP 3020	iAMP 4020
1KHz, 0.5% THD	Continuous Output Per Channel		
Output Power 8 ohms	300W	600W	680W
Output Power 4 ohms	530W	1000W	1200W
Output Power 2 ohms	800W	1500W	2000W
Input Sensitivity	0.775 volts +/- 3% for 1 kHz 4 ohm rated power, 0.68 volts +/- 3% for 1 kHz. 2 ohm rated power		
Input Connector	One Combo Jack (XLR+1/4") per channel		
Signal Through Out	One 1/4" phone jack per channel		
Frequency Response	10Hz – 50KHz		
Speaker Output	One Speakon connector per channel		
Built-in Filters	High-Pass, Sub-woofer, switchable		
S/N Ratio (20 Hz – 20 KHz)	> 105dB A-Weighted		
THD @ 1 kHz (10% Rated Output)	Less than 0.1%		
Damping Factor (8 ohms)	>225:1 - 1 kHz at 8 ohms		
Slew Rate	> 12V/μs		
Input CMRR	> -76 dB @ 1 kHz		
Protection Circuitry	Multiple Protection designs against DC bias, thermal fault, load mismatch, etc.		
Power Consumption	800W 2Ω LOAD STEREO	1500W 2Ω LOAD STEREO	3000W 2Ω LOAD STEREO
Dimensions (WxHxD)	482 x 89 x 260 mm (19" x 3.5" x 10.2")		
Weight	6.1 kg (13.4 lbs)	6.8 kg (14.9 lbs)	<10 kg