

# PC-1N Series

## Power Amplifiers



PC9501N



PC6501N



PC4801N



PC3301N



PC2001N



PC9501N Rear Panel



New benchmarks for quality, reliability, and versatility in professional power applications.

- In-depth analysis and circuit innovation, meticulous part selection, and advanced circuit mounting methods deliver outstanding sound quality with the lowest possible distortion.
- Advanced EEEngine technology achieves high-quality sound and exceptional power output with dramatically reduced power consumption.
- Selectable stereo, dual mono and bridged mono modes for maximum versatility.
- A comprehensive selection of rear-panel terminals and connectors for versatile connectivity.
- An impressive array of protection circuitry and indicators ensure stable operation and accurate monitoring.
- Built-in high-pass (subsonic) filter cuts frequencies below 20 Hz.
- Can be connected to a Yamaha ACU16-C Amplifier Control Unit (optional) and computer to allow monitoring and control of amplifiers and speakers.
- Monitor and control multiple amplifiers on a CobraNet™ network via the Yamaha NHB32-C Network Hub/Bridge.
- The PC3301N has been specially designed for use as a distribution amplifier in installations, and is capable of driving high-impedance loads with multiple parallel-connected 100-volt line speakers.
- Ideal matches for the DME64N/24N Digital Mixing Engines and Installation Series speakers.

## GENERAL SPECIFICATIONS

Model		PC9501N	PC6501N	PC4801N	PC3301N	PC2001N	PC9501N	PC6501N	PC4801N	PC3301N	PC2001N	
		120V/240V					230V					
Output Power	1kHz, THD+N = 1%	4Ω	1600W x 2	1100W x 2	850W x 2	600W x 2	400W x 2	1650W x 2	1150W x 2	800W x 2	700W x 2	450W x 2
		8Ω	1000W x 2	700W x 2	550W x 2	350W x 2	230W x 2	1050W x 2	750W x 2	500W x 2	400W x 2	250W x 2
		8Ω bridge	3200W	2200W	1700W	1200W	800W	3300W	2300W	1600W	1400W	900W
	1kHz, 20ms burst	2Ω	2300W x 2	1500W x 2	1200W x 2	800W x 2	500W x 2	2300W x 2	1600W x 2	1200W x 2	900W x 2	600W x 2
		4Ω bridge	4600W	3000W	2400W	1600W	1000W	4600W	3200W	2400W	1800W	1200W
	20Hz ~ 20kHz, THD+N = 0.1%	4Ω	1400W x 2	930W x 2	725W x 2	525W x 2	325W x 2	1500W x 2	930W x 2	700W x 2	550W x 2	400W x 2
		8Ω	925W x 2	650W x 2	475W x 2	330W x 2	200W x 2	950W x 2	650W x 2	475W x 2	350W x 2	230W x 2
8Ω bridge		2800W	1860W	1450W	1050W	650W	3000W	1860W	1400W	1100W	800W	
High Impedance	100V Line	-	-	-	625W/16Ω (Bridge)	-	-	-	-	625W/16Ω (Bridge)	-	
Voltage Gain	RL=8Ω	32dB					32dB					
Input Sensitivity	RL=8Ω	+9.2dBu	+7.7dBu	+6.7dBu	+4.7dBu	+2.9dBu	+9.5dBu	+8.0dBu	+6.2dBu	+5.3dBu	+3.2dBu	
S/N Ratio	20Hz-20kHz, DIN AUDIO	106dB	105dB	103dB	101dB	100dB	106dB	105dB	103dB	101dB	100dB	
Power Consumption	1/8 power (4Ω pink noise)	750W/1000W	700W/800W	450W/600W	450W/500W	350W	1100W	800W	600W	500W	350W	
	Idle	55W	40W	40W	40W	40W	55W	40W	40W	40W	40W	
THD+N	20Hz-20kHz, 1/2 power, RL=4Ω	Less than 0.1%										
Frequency Response	RL=8Ω, Po=1W, 20Hz - 20kHz	+0dB, -1.0dB										
Crosstalk	1kHz, half power, 8Ω Att. max, input 600Ω shunt	Less than -70dB										
Damping Factor	RL=8Ω, 1kHz	More than 800				More than 500	More than 800				More than 500	
Maximum Input Level		+22dBu										
Input Impedance		20kΩ (balanced), 10kΩ (unbalanced)										
Controls	Front Panel	POWER switch x 1 (push on/push off), Attenuator x 2 (31position)										
	Rear panel	MODE switch x 1 (STEREO/BRIDGE/PARALLEL), HPF switch x 1 (ON/OFF) (Fc=20Hz, 12dB/oct), AMP ID switch x 1 (6P DIP)										
Connectors	Input	XLR-3-31 type x 2, Euroblock connector x 2 pairs (balanced)										
	Output	Neutrik® SPEAKON® NL4 x 2, 5-way binding post x 2 pairs										
	Data Port	RJ45 x 2										
	Power	AC Inlet x 1										
Indicators		POWER/STANDBY x 1 (Green/Orange), PROTECTION x 1 (Red), TEMP x 1 (Red) heatsink temp ≥ 85°C, REMOTE x 1 (Green)										
Level Meters		10 point LED meter x 2										
Load Protection		POWER switch on/off mute, DC-fault: Amplifier shuts down automatically, Clip limiting: THD ≥ 0.5%										
Amplifier Protection		Thermal (heatsink temp ≥ 90°C), VI limiter (RL ≤ 1Ω)										
Cooling Fan		Variable-speed fan x 2										
Power Requirements		120V, 60Hz; 220V-240V, 50Hz/60Hz										
Dimensions (WxHxD)		480 x 88 x 456mm (18-7/8" x 3-7/16" x 17-15/16")										
Weight		12.5kg (27.6lbs) (PC9501N: 13kg (28.6lbs))										
Included Accessories		Power cable x 1, Security cover x 1, Euroblock connector x 2 (3P), Owner's manual										

\* Half power = 1/2 power output level

## DIMENSIONS

unit : mm

