

Professional Power Amplifier

V2-1000N/2000N/3000N/4000N

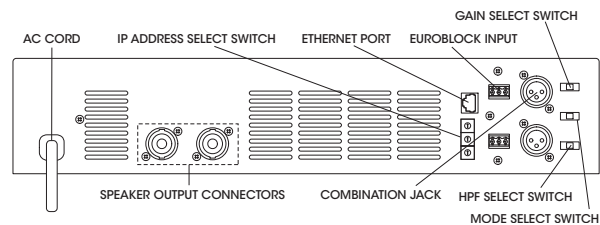


AC

Features

- Monitor and control operation of amplifier using GUI program and Ethernet network.
- 2ohm load stable per channel, 4!-load stable in bridged mono
- 2U rack space
- Switch mode power supply available for high efficiency and low weight
- Forced air cooled(front panel intake, rear panel exhaust)
- Front panel indicators for output signal, clip, protect and power
- Selectable high pass filter
- Gain selectable switch for both channel

Rear panel



Spec	V2-1000N		V2-2000N		V2-3000N		V2-4000N	
Rated Power	120VAC	230VAC	120VAC	230VAC	120VAC	230VAC	120VAC	230VAC
RL=8Ω @ 0.1% THD (Stereo)	190W	170W	320W	280W	550W	500W	750W	750W
RL=4Ω @ 0.1% THD (Stereo)	340W	300W	550W	500W	1000W	900W	1300W	1300W
RL=2Ω @ 0.5% THD (Stereo)	580W	550W	900W	850W	1600W	1650W	2000W	2100W
RL=8Ω 1kHz @ 0.1% THD (Bridged)	720W	650W	1150W	1000W	2000W	2000W	2600W	2600W
RL=4Ω 1kHz @ 0.5% THD (Bridged)	1200W	1100W	1900W	1700W	3200W	3300W	4000W	4200W
Input Sensitivity (Rated Output Power @4Ω)	1V							
Input Impedance	12kΩ (Balanced)							
Frequency Response (1W@8Ω)	20Hz~20kHz : ±0.3dB, 5Hz~70kHz : -3dB							
Total Harmonic Distortion (1/3 Power @8Ω)	<0.05%							
Signal to Noise Ratio (20Hz ~ 20kHz, A-Weight)	106dB							
Damping Factor	>380		>450		>400			
Residual Noise (VR Max @8Ω)	<70dB							
Channel Separation (1/2 Power @8Ω)	<70dB							
Voltage Gain (Rated Output Power @4Ω)	31dB		33dB		36dB		37dB	
Power Source	100-120VAC or 220-240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)							
Power Consumption	380W		600W		770W		870W	
Weight	10.7kg / 23.6lb		10.9kg / 24lb		12kg / 26.4lb		12.1kg / 26.7lb	
Dimensions (WxHxD)	482 × 88 × 407mm / 19 × 3.5 × 16in							

Professional Power Amplifier

L1400/1800/2400/3000

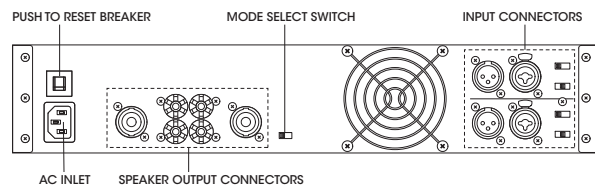


AC

Features

- Controls : Front - Power on/off switch, attenuator, LED indicators
Rear - Mode selector switch, Stereo / Bridged Mono / Parallel HPF
50Hz / 30Hz / off switch, limiter on / off switch
- Connectors : Input - Combination jack and XLR jack (link)
Output - One 5Way binding post and one speakon™ per channel
- Indicators : Power(Blue), Protection(Red), Clip/Limiter(Red),
Signal(Green), Mode Selector(Yellow)
- Filters : 30Hz HPF, 50Hz HPF
- Protection : Turn-on delay, Thermal, DC fault, PC limiter, RF,
Clip-limiter, Short circuit, Open circuit
- Cooling : Continuously variable speed fan, front to rear air flow

Rear panel



Spec	L1400	L1800	L2400	L3000	
Rated Power					
RL=8Ω @ 0.1% THD (Stereo)	280W	360W	500W	650W	
RL=4Ω @ 0.1% THD (Stereo)	450W	600W	750W	1000W	
RL=2Ω @ 0.5% THD (Stereo)	700W	900W	1200W	1500W	
RL=8Ω 1kHz @ 0.1% THD (Bridged)	900W	1200W	1500W	2000W	
RL=4Ω 1kHz @ 0.5% THD (Bridged)	1400W	1800W	2400W	3000W	
Input Sensitivity (4Ω, 1kHz)	2.7dBu	3.5dBu	3.5dBu	3.5dBu	
Input Impedance	≥20kΩ (Balance/Unbalance)				
Slew Rate (8Ω, Full Swing)	±20V/μsec				
Frequency Response (±0.5dB)	20Hz ~ 20kHz : ±0/1 dB, 5Hz~70kHz : -3dB				
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	≤0.03%				
Signal to Noise Ratio	≥100dB				
Damping Factor (8Ω, 1kHz)	≥400				
Residual Noise	≤-85dB : ATT min				
Channel Separation (8Ω, 1kHz)	≥80dB				
Voltage Gain @4Ω	32dB	33dB	34dB	38.5dB	
Power Source	100-120VAC or 220-240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)				
Power Consumption (1/8 power, RL=4Ω)	120VAC	7A	8A	9A	11A
	230VAC	3.5A	4A	4.5A	5A
Weight	14.5kg / 32lb	15kg / 33lb	16kg / 35.3lb	19.5kg / 39.5lb	
Dimension (W×H×D)	482 × 88 × 317mm / 19 × 3.5 × 12.5in				

Professional Power Amplifier

R150PLUS/300PLUS/500PLUS

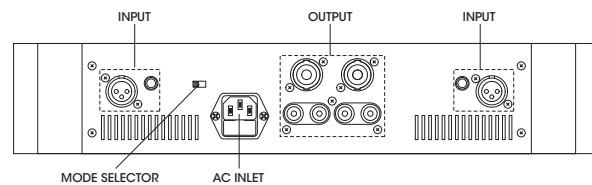


AC

Features

- Controls :
 - Front : Power on/off switch, Attenuator, LED indicator
 - Rear : Mode selector switch, Stereo/bridged mono switch
- Connectors :
 - Input - 1 XLR, 1/4" balanced per channel
 - Output - 5way binding post and Speakon™ per channel
- Indicators :
 - Power(Green), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter

Rear panel



Spec	R150PLUS	R300PLUS	R500PLUS
Rated Power			
at 8Ω @ 0.05 THD (Stereo CH)	50W	100W	170W
at 4Ω @ 0.05 THD (Stereo CH)	75W	150W	250W
at 8Ω @ 0.05 THD (Bridged mono)	150W	300W	460W
at 8Ω @ 0.5 THD (Bridged mono)	170W	330W	500W
Input Sensitivity (8Ω, 1kHz)	0.775Vrms		
Input Impedance	10kΩ (Unbalanced / 20kΩ balanced)		
Slew Rate (8Ω, Full Swing)	±3V/μsec		
Frequency Response (±0.5dB)	20Hz-20kHz		
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	Less than 0.1%		
Signal to Noise Ratio	≥100dB		
Damping Factor (8Ω, 1kHz)	100		
Residual Noise	≤-80dB		
Channel Separation (8Ω, 1kHz)	≥70dB		
Voltage Gain (4Ω)	27dB	30dB	32dB
Power Source	100-120VAC or 220-240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)		
Power Consumption (1/8 Power)	170W(1.5A)	250W(2.4A)	480W(3.9A)
Weight	7.2kg / 15.9lb	8.4kg / 18.5lb	10.4kg / 23lb
Dimensions (W×H×D)	482 × 88 × 317mm / 19 × 3.5 × 12.5in		

Professional Quad Amplifier

QD4240/4480/4960

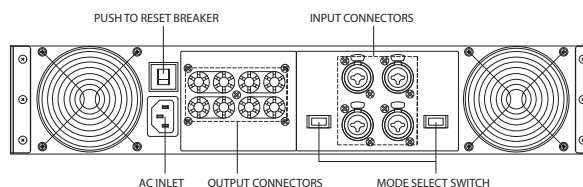


AC

Features

- Controls :
Front : Power on/off switch, attenuator, LED indicator
Rear : Mode selector switch : Stereo/bridged, mono/parallel
- Connectors : Input - XLR/1/4" combination jack
Output - 5Way binding post
- Indicators : Power(Red), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter
- Fan Speed : 50°C(122°F) ~ 60°C(140°F)
continuously-variable speed fan

Rear panel



Spec	QD4240	QD4480	QD4960
Rated Power			
RL=8Ω @ 0.05% THD (Per CH)	40W	80W	170W
RL=4Ω @ 0.05% THD (Per CH)	60W	120W	240W
RL=8Ω @ 0.05% THD (Bridged mono)	120W	240W	480W
Input Sensitivity (8Ω, 1kHz)	0.775Vrms		
Input Impedance	20kΩ (balanced / Unbalanced)		
Slew Rate (8Ω, Full Swing)	±30V/μsec		
Frequency Response (±0.5dB)	20Hz ~ 50kHz		
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	RL=8Ω (Quad) - ≤0.05% / RL=4Ω (Quad) - ≤0.07% / RL=8Ω (Bridged) - ≤0.07%		
Signal to Noise Ratio	≥100dB		
Damping Factor (8Ω, 1kHz)	≥100		
Residual Noise	≤-70dB:ATT min		≤-85dB:ATT min
Channel Separation (8Ω, 1kHz)	≥80dB		
Voltage Gain (4Ω)	26dB	29dB	32dB
Power Source	100-120VAC or 220-240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)		
Power Consumption	300W	420W	770W
Weight	11.3kg / 25.3lb	15.5kg / 34.2lb	17kg / 37.5lb
Dimensions (W×H×D)	482 × 88 × 369mm / 19 × 3.5 × 14.5in		

Output Transformer Units

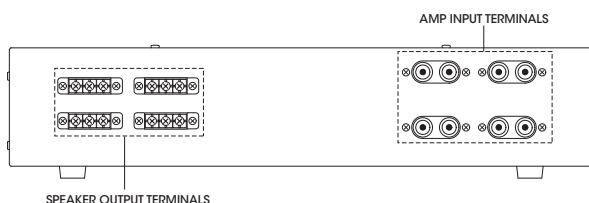
OT-4240/4480/4960



Features

- OT-4240 / 4480 Transforms the 4 ohm output of the QD4240 / 4480 to 70V or 100V levels for use with high impedance speakers
- Expansion line out for QD-4240 / 4480
- Weight
OT-4240 : 11.5kg / 25.3lb
OT-4480 : 14.5kg / 32lb
OT-4960 : 21.5kg / 47.4lb
- Dimensions (W×H×D)
OT-4240/4480 : 420 × 88 × 310mm / 16.5 × 3.5 × 12.2in,
482 × 88 × 310mm / 19 × 3.5 × 12.2in(with Rack mount)
OT-4960 : 420×132×280mm / 16.5×5.2×11in,
482 × 132 × 280mm, 19 × 5.2 × 11in
(with Optional rack-mount kit)

Rear panel



Multi Channel Digital Amplifier

DPA-430L

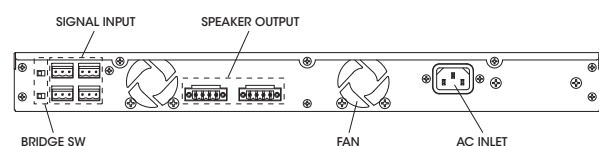


AC

Features

- A Slim and Compact 1U rack size
- Independent SMPS power supply for each channel
- Low power consumption, low heat dissipation and light weight
- LED Indicator - Power, CLIP, Protection
- Protection circuit
(Over heat, Overcurrent, Speaker short, DC output)
- Balance input
- High pass filter switch (-3dB at 65Hz / 400Hz)
- Power Source : 100-120VAC or 220-240VAC, 50/60Hz
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 280W
- Weight : 9.6kg / 21.2lb
- Dimensions (W×H×D) : 482 × 44 × 420mm / 19 × 1.7 × 16.5in

Rear panel



Dual 31 Band Graphic Equalizer

EQ-2231A

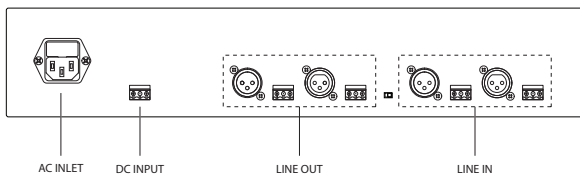


AC/DC

Features

- Dual 31-Band graphic equalizer
- 1/3 Octave 20Hz ~ 20kHz, ±12dB
- 80Hz 18dB/octave high-pass filter
- Constant Q circuitry
- Balanced XLR and balanced EURO TERMINAL
- Selectable EQ Range : ±6dB, ±12dB
- Cut-only switch
- Hard bypass switch
- 24VDC power input
- Power Source : 100-120VAC or 220-240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 20W
- Weight : 5kg / 11lb
- Dimensions (W×H×D) : 482 × 88 × 234mm / 19 × 3.4 × 9.2in

Rear panel



NOTE