

Features

- QD-4240: 40W@4Ω per Channel
- QD-4480: 80W@4Ω per Channel
- QD-4960: 170W@4Ω per Channel
- Inputs: Balanced Combo Jacks
- Outputs: Five-Way Binding Posts
- <0.03% Total Harmonic Distortion
- Extensive Protection Circuitry
- Two-Speed Cooling Fan
- LED Indicators: Power, Signal, Protection, Clip
- Rack Mount (2RU)



Description

The QD-4240/4480/4960 are four-channel amplifiers capable of driving 4Ω loads. Their clean sound quality makes them ideal for permanent installation in professional PA systems or for portable use for live performances. Inputs are XLR/TRS "Combo" connectors; outputs are via rugged five-way binding post connectors. Clip-limiters are supplied on each channel to help prevent distortion due to excessive signal levels. All units have soft-start protection circuitry and feature power, signal, protection, and clip indicators on the front panel. For added versatility, they may be operated in stereo, dual mono or bridged mono mode. The quad series amplifiers are powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements) and are packaged in 3.5" (2RU) high rack mount enclosures.

Technical Specifications

ELECTRICAL		QD4240	QD4480	QD4960
Power Output	4Ω (Quad Ch)	40W	80W	170W
	8Ω (Quad Ch)	60W	120W	240W
	8Ω Bridged Mono	120W	240W	480W
Input Sensitivity (8Ω, 1kHz)		0.775Vrms		
Input Impedance		20kΩ Balanced		
Slew Rate (8Ω, Full Swing)		±30V/μsec		
Frequency Response (±0.5dB)		20Hz - 50kHz		
THD		<0.03%		
Signal-to-Noise Ratio		105dB		
Damping Factor (8Ω, 1kHz)		>100		
Residual Noise		-85dB		
Channel Separation (8Ω, 1kHz)		80dB		
Voltage Gain (4Ω)		26dB	29dB	32dB
GENERAL				
Power Source		100-120VAC or 220-240VAC		
Power Consumption		300W	420W	770W
Weight		30.8lbs.	41.5lbs.	45.5lbs.
		11.5kg	15.5kg	17kg
Dimensions (W x H x D)		19" x 3.5" x 14.5"		
		482mm x 88mm x 369mm		

QD-4240/4480/4960 Architects and Engineers Specifications

The four-channel amplifier shall be capable of 40W/QD-4240, 80W/QD-4480 or 170W/QD-4960 RMS per channel @4Ω. Inputs shall be combo type XLR/TRS ¼" connectors and output via rugged five-way binding post connectors. Clip-limiters shall be supplied on each channel to help prevent distortion due to excessive signal levels.

The unit shall have soft-start circuitry to protect speakers against power surges at power on or power off. The unit shall feature power, signal, protection, and clip indicators on the front panel.

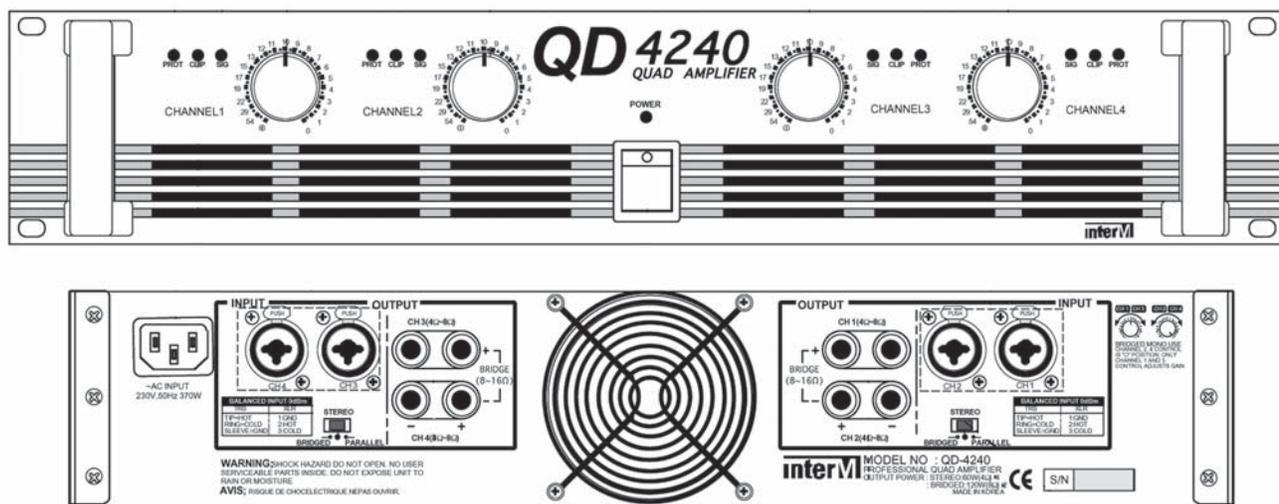
The four-channel amplifier shall meet the following performance criteria:

Frequency response shall be from 20Hz to 50kHz ±0.5dB; signal-to-noise ratio shall be 105dB; total harmonic distortion shall be less than 0.03%; and the damping factor shall be greater than 100.

The four-channel amplifier shall measure 19"(482mm) wide x 3.5"(88mm) high x 14.5"(369mm) deep and shall be powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements).

The four-channel amplifier shall be an Inter-M model QD-4240/4480/4960.

QD-4240/4480/4960 Front and Rear Views



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