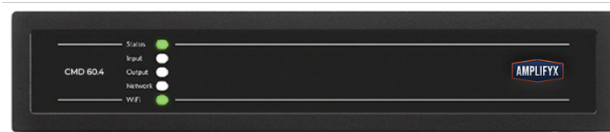




CMD SERIES

The Amplifyx CMD series is a series of multi-purpose installation amplifiers featuring a built in DSP with matrix routing, Crossover settings, EQ, Limiters and ability to store and load speaker presets of leading audio brands. The amplifiers have built in Wireless-Access-Point (WAP) for the simple connection and configuration via WiFi.



DSP – Full matrix DSP embedded and controlled via TCP/IP

Targeted Constant Voltage – Optimal hybrid of Lo & Hi-Z performance

Master / Slave Functionality – SPDIF link to multiple amps

Power Share – Support power sharing upto 250W per channel

Certified – Safety approved, EMC compliant & Energy Star*

Powered by Pascal - UMAC Class D technology

Configurable GPIO & Built in wifi for App control

Protection – Short circuit, DC , Undervoltage, Thermal & Overload

Applications

Bars, Cafes & Restaurants

The combination of small size and high power per channel flexibility makes CMD series especially good for installing in Bars, Cafés, and restaurants. Easy to set up system with 2-4 channels in either Hi-Z or Low-Z and power to cover any room size.

Restaurants

Restaurant's use sound as part of the dining experience, and many have dynamic needs for the sound level. Some have bar areas where they need more sound pressure, and then have cosy eating areas where they need less. CMD is ideal – as it delivers the power required, with 2-4 channels in Hi-Z or Low-Z to cover any room size.

Retail stores

Retail stores have background sound (or sound branding) where music is matched to the profile of store. This leads to a wide range of sound demand – a furniture store with cool background sound, a stylish clothes shop with medium pressure or a trendy juice bar with need for more power! CMD fits all these needs as the required power can be utilised where needed – with both Hi-Z and Low-Z simultaneously.

Fitness Centres

Fitness locations demand excellent sound with great system flexibility. Background tracks play in a gym & workout area, soft sounds in yoga classes – then heart racing power in the spinning & CrossFit classes!

Hotels & Education Sites

For hotels and education sites that have auditoriums, theatres, large dining spaces, and multiple large meeting rooms - complete flexibility of available power is needed.

Corporate

The corporate space has many different applications – open office spaces, sound for board & conference rooms, meeting areas of any size – plus warehouses, cafeteria & break areas. CMD an ideal choice as one amplifier can cover all these needs.

House of Worship

House of Worship needs reliable, high-quality amplification of voice, and at the same time the amplifier should cover a large distribution area with many specialized speakers. CMD is perfect for house of worship sites – due to the high quality of amplification at medium power levels, delivering superior speech intelligibility



CMD60.4 and CMD125.4

Model	CMD60.4	CMD125.4
Channels	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z
Output power @ 4Ω/8Ω	4 x 60 W	4 x 125 W
Output power @ 70V/100V*	2 x 125 W	2 x 250 W
Powershare (up to) <i>Across all channels**</i>	1 x 250 W	2 x 250 W
Total System Power	250 W	500 W
Power Consumption	75 W	150 W
Dimensions	44.5 x 220 x 320 mm (1.75 x 8.66 x 12.60 in)	44.5 x 220 x 320 mm (1.75 x 8.66 x 12.60 in)
Weight	2.8 kg (6.2 lbs)	2.8 kg (6.2 lbs)
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion	
Output Voltage	45 Vrms (S.E) - 70/100V (Hi-Z)	
Signal To Noise-Ratio	> 106 dB (A-weighted, 20 Hz – 20 kHz, 8 Ω load)	
THD+N (typical)	< 0.05% (20 Hz – 20 kHz, 8 Ω load, 3 dB below rated power)	
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)	
Protection Circuits	Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection	
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter	
Operating temperature	0 – 40 C	
Operating Voltage/Frequency	Universal Mains, 100V - 240V, 50Hz - 60Hz	
Standby Consumption	< 0.5 W	
Accessories	Rack Mount Kit (Optional) Wall/Desktop Mount Kit (Optional)	
Power Ratings	1 % THD @ 120 Vac and 230 Vac	

*100V line mode operates @ -1 dB (≈ 90 V)

**CMD125.4 may only Powershare across Ch1/2 and Ch3/4



CMD500.4 and CMD800.4

Model	CMD500.4	CMD800.4
Channels	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z
Output power @ 2Ω	4 x 500 W (SE) - (BTL)	4 x 750 W (SE) - (BTL)
Output power @ 4Ω	4 x 500 W (SE) 2 x 1000 W (BTL)	4 x 750 W (SE) 2 x 1500 W (BTL)
Output power @ 8Ω	4 x 250 W (SE) 2 x 1000 W (BTL)	4 x 400 W (SE) 2 x 1500 W (BTL)
Output power @ 70V	2 x 1000 W BTL	2 x 1200 W (BTL)
Output power @ 100V	2 x 1000 W BTL	2 x 1500 W (BTL)
Total System Power	2000 W	3000 W
Power Consumption	700 W	700 W
Dimensions	88 x 440 x 320 mm (3.5 x 17.35 x 12.60 in)	88 x 440 x 320 mm (3.5 x 17.35 x 12.60 in)
Weight	7.3 kg (16.1 lbs)	7.3 kg (16.1 lbs)
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion	
Output Voltage	500.X Variants: 45 Vrms (S.E) - 90 Vrms (BTL) - 70/100V (Hi-Z) 800.X Variants: 55 Vrms (S.E) - 110 Vrms (BTL) - 70/100V (Hi-Z)	
Signal To Noise-Ratio	> 108 dB (A-weighted, 20 Hz – 20 kHz, 8 Ω load)	
THD+N (typical)	< 0.05% (20 Hz – 20 kHz, 8 Ω load, 3 dB below rated power)	
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)	
Protection Circuits	Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection	
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter	
Operating Temperature	0 – 40 C	
Operating Voltage/Frequency	Universal Mains, 100 V – 240 V, 50 Hz – 60 Hz	
Standby Consumption	<0.5 W	
Accessories	Rack Mounts (Included)	
Power Ratings	1 % THD @ 120 Vac and 230 Vac	