



### Highlights:

- · Lightweight class-D amplifier
- · Advanced protection circuit
- XLR input & linkthrough connections with gain control & HPF switch
- Terminal block output connections
- High-pass filter switch

#### Product information:

The CAP Series are professional 100V multi-channel power amplifiers, containing various models with different channels and different output power configuration. The CAP424 is a four channel version with an output power 240 Watt. This way, a flexible solution is created for multi-zone audio distribution systems with four zones. They are designed as no-nonsense amplifiers with only the necessary controls and connections which creates great simplicity in use and installation. A high efficiency and reliability of the devices is achieved by using switching power supplies in combination with Class-D amplifier technology. A temperature controlled FAN constantly keeps all parts within the right operation range, while avoiding excessive buzz. A built-in multipurpose protection circuit protects against DC malfunction, Short circuit, overheating, overload and limits the signal when necessary. The input connections are performed using balanced XLR connectors and Link output connectors are provided for link through to other amplifiers. Besides, a high-pass filter switch (400 Hz) and a gain adjustment potentiometer are provided for each channel. The output connections are performed using reliable terminal block connectors and this all is housed into a solid constructed, double rack space (2 HE) 19" rack mounting housing.

#### Applications:

- · Bars & Restaurants
- Education
- Corporate
- · Clubs
- · Retail





# System specifications:

Frequency         Response (± 3 dB)         50 Hz - 22 kHz           Signal / Noise         > 100 dB           THD+N (@ 1 kHz)         < 0.3% (1/2 Rated Power)           Crosstalk (@ 1 kHz)         < 80 dB           Technology         Class-D           Power         Supply         Switching mode           Inputs         Source         230 − 240 V AC / 50 Hz           Inputs         Sensitivity         -0.5 dB − 10.5 dB           Impedance         10 kΩ balanced           Outputs         Voltage / Impedance         100 V / 42 Ω           Common mode rejection ratio         70 dB           Protection         DC Short circuit           Over heating         Over load           Signal limiting           Cooling         Temperature controlled fan           Operating temperature         0° ~ 40° @ 95% Humidity	Continuous power (AES)		4 x 240 W
THD+N (@ 1 kHz)         < 0.3% (1/2 Rated Power)	Frequency	Response (± 3 dB)	50 Hz - 22 kHz
Crosstalk (@ 1 kHz)       < 80 dB	Signal / Noise		> 100 dB
Technology  Power Supply Source Source 10 kQ balanced 10 kQ balanced 10 kQ balanced 100 V / 42 Q 100 V AC / 50 Hz  Connector C	THD+N (@ 1 kHz)		< 0.3% (1/2 Rated Power)
PowerSupplySwitching modeLource230 ~ 240 V AC / 50 HzInputsSensitivity-0.5 dB ~ 10.5 dBLourceImpedance10 kΩ balancedConnectorXLR female with Male LinkthroughOutputsVoltage / Impedance100 V / 42 ΩCommon mode rejection ratio70 dBProtectionDC Short circuitProtectionOver heatingLourceOver loadCoolingSignal limitingCoolingTemperature controlled fan	Crosstalk (@ 1 kHz)		< 80 dB
InputsSource230~240 V AC / 50 HzInputsSensitivity-0.5 dB ~ 10.5 dBImpedance10 kΩ balancedConnectorXLR female with Male LinkthroughOutputsVoltage / Impedance100 V / 42 ΩCommon mode rejection ratio4-pin Euro Terminal Block (Pitch - 5.08 mm)ProtectionTo dBProtectionDC Short circuitOver heatingOver loadCoolingSignal limitingCoolingTemperature controlled fan	Technology		Class-D
InputsSensitivity-0.5 dB ~ 10.5 dBImpedance10 kΩ balancedConnectorXLR female with Male LinkthroughOutputsVoltage / Impedance100 V / 42 ΩCommon mode rejection ratio4-pin Euro Terminal Block (Pitch - 5.08 mm)ProtectionDC Short circuitProtectionDC Short circuitOver heatingOver loadSignal limitingCoolingTemperature controlled fan	Power	Supply	Switching mode
Impedance Connector  Connector  Voltage / Impedance  100 V / 42 Ω  Conmon mode rejection ratio  Common mode rejection ratio  Protection  Cover heating Over load  Cooling  Cooling  Temperature controlled fan		Source	230 ~ 240 V AC / 50 Hz
ConnectorXLR female with Male LinkthroughOutputsVoltage / Impedance100 V / 42 ΩConnector4-pin Euro Terminal Block (Pitch - 5.08 mm)Common mode rejection ratio70 dBProtectionDC Short circuitOver heatingOver loadOver loadSignal limitingCoolingTemperature controlled fan	Inputs	Sensitivity	-0.5 dB ~ 10.5 dB
OutputsVoltage / Impedance100 V / 42 ΩConnector4-pin Euro Terminal Block (Pitch - 5.08 mm)Common mode rejection ratio70 dBProtectionDC Short circuitOver heatingOver loadCoolingSignal limitingCoolingTemperature controlled fan		Impedance	10 kΩ balanced
Common mode rejection ratio  Protection  Over heating Over load  Cooling  Connector  A-pin Euro Terminal Block (Pitch - 5.08 mm)  A-pin Euro Terminal Block		Connector	XLR female with Male Linkthrough
Common mode rejection ratio 70 dB  Protection DC Short circuit Over heating Over load  Cooling  Temperature controlled fan	Outputs	Voltage / Impedance	100 V / 42 Ω
Protection DC Short circuit  Over heating Over load Over load Signal limiting Cooling Temperature controlled fan		Connector	4-pin Euro Terminal Block (Pitch - 5.08 mm)
Over heating Over load  Cooling  Temperature controlled fan	Common mode rejection ratio		70 dB
Cooling Over load Signal limiting Temperature controlled fan	Protection		DC Short circuit
Cooling Signal limiting Temperature controlled fan			Over heating
Cooling Temperature controlled fan			Over load
			Signal limiting
Operating temperature 0° ~ 40° @ 95% Humidity	Cooling		Temperature controlled fan
	Operating temperature		0° ~ 40° @ 95% Humidity

## **Product Features:**

Dimensions		18.98 x 3.46 x 16.54 " (W x H x D)
Weight		18.41 lb
Mounting		19"
Unit height		2 HE
Construction		Steel
Colours		Black
Accessories	Included	4 x 4-pin Euro Terminal Block outputs connector
	Optional	CPE100 Rack mount handles