

COM108 Public Address Amplifier 80W @70/100V

Highlights:

- · unbalanced stereo line input
- 1 x Microphone input
- · Priority audio inputs with phantom power
- 1 x priority mute contact
- · Lightweight class-D amplifier
- Terminal block output connections (4 Ω , 70V, 100V)
- Compact design
- · Low impedance & constant voltage output
- · Table top or half rackspace installation



The COM108 is a compact but versatile public address mixing amplifier which offers solutions for small to medium size audio systems in commercial installations. Typical application are background music systems in retail stores, bars, restaurants and office buildings.

The compact and simple design allows installation in any location and operation through any possible user.

The amplifier is designed using Class-D amplifier technology and delivers an output power of 80 Watt to constant voltage (100V and 70V) or low impedance (4 Ohm) audio systems. A switch mode power supply allows compatibility with a wide variation of mains voltages for global compatibility.

A stereo line input allows connection for a wide variation of audio sources such as media players, radio tuners, internet audio players, ... and many more. A balanced mic / line input allows connection for an announcement microphone with compatibility for condenser microphones using the integrated phantom power supply (15V). A priority switch overrides the background music when enabled, and compatibility with voice file players is guaranteed by the wide gain adjustment possibility (0 dB - +50 dB).

The COM108 is a table-top standing device, while rack mounting in 10.5" or 19" equipment racks is possible using an optionally available mounting set (MBS310).

Applications:

- · Bars & Restaurants
- Retail
- Corporate





System specifications:

Inputs Balanced Microphone Sensitivity -0 d8 - +50 d8 Inputs Jonnector 3-pin Euro Terminal Block (Pitch - 3.81 mm) Inputs Inpalanced Stereo Type 1 x Balanced Microphone Inputs Connector RCA 7.3 5 mm Jack Frequency Response (± 3 dB) 20 Hz - 20 kHz Signal / Noise > 90 dB THD+N (@ 1 kHz) > 70 dB Technology Cass-D Technology Switching mode Power Supply Switching mode Inputs Balanced Microphone Phantom Power 15 V DC Inputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Protection Amplifier 000 70 V / 4 Q Protection Amplifier Over heating Signal limiting Signal limiting Cooling 0° - 40° @ 95% Humidity	RMS/AES power handling	@ 4 Ω		1 x 80 W
Type	Inputs	Balanced Microphone	Sensitivity	-0 dB ~ +50 dB
Frequency Response (± 3 dB) 2 on Bacterity 4 dB ~ 20 dB Frequency Response (± 3 dB) 20 Hz ~ 20 kHz Signal / Noise > 90 dB THD+N (@ 1 kHz) < 0.5% (1/2 Rated Power)			Connector	3-pin Euro Terminal Block (Pitch - 3.81 mm)
Frequency Response (± 3 dB) 20 Hz - 20 kHz Signal / Noise > 90 dB THD+N (@ 1 kHz) < 0.5% (1/2 Rated Power)			Туре	1 x Balanced Microphone
Frequency Response (± 3 dB) 20 Hz - 20 kHz Signal / Noise > 90 dB THD+N (@ 1 kHz) < 0.5% (1/2 Rated Power)		Unbalanced Stereo	Connector	RCA / 3.5 mm Jack
Signal / Noise > 90 dB THD+N (@ 1 kHz) < 0.5% (1/2 Rated Power)			Sensitivity	-4 dB ~ 20 dB
THD+N (@ 1 kHz) < 0.5% (1/2 Rated Power)	Frequency	Response (± 3 dB)		20 Hz - 20 kHz
Crosstalk (@ 1 kHz) > 70 dB Technology Class-D Power Supply Switching mode Inputs Doperating 100 ~ 240 V AC / 50 ~ 60 Hz Inputs Balanced Microphone Phantom Power 15 V DC Priority mute contact Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Voltage / Impedance 100/ 70 V / 4 Ω Protection Amplifier DC Short circuit Over heating Cooling Convection cooled	Signal / Noise			> 90 dB
Technology Class-D Power Supply Switching mode Operating 100 ~ 240 V AC / 50 ~ 60 Hz Inputs Balanced Microphone Phantom Power 15 V DC Priority mute contact Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Voltage / Impedance 100/70 V / 4 Ω Protection Amplifier DC Short circuit Over heating Signal limiting Coolling	THD+N (@ 1 kHz)			< 0.5% (1/2 Rated Power)
Power Supply Switching mode Operating 100 ~ 240 V AC / 50 ~ 60 Hz Inputs Balanced Microphone Phantom Power 15 V DC Priority mute contact Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Voltage / Impedance 100/ 70 V / 4 Ω Protection Amplifier DC Short circuit Over heating Signal limiting Cooling Convection cooled	Crosstalk (@ 1 kHz)			> 70 dB
InputsBalanced MicrophonePhantom Power15 V DCOutputsConnectorPriority mute contactOutputsConnector4-pin Euro Terminal Block (Pitch - 5.08 mm)ProtectionAmplifierDC Short circuitOver heatingSignal limitingCoolingConvection cooled	Technology			Class-D
Inputs Balanced Microphone Phantom Power 15 V DC Priority mute contact Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Voltage / Impedance 100/ 70 V / 4 Ω Protection Amplifier DC Short circuit Over heating Signal limiting Cooling Convection cooled				
Priority mute contact Outputs Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm) Voltage / Impedance 100/ 70 V / 4 Ω Protection Amplifier DC Short circuit Over heating Signal limiting Cooling Convection cooled	Power	Supply		Switching mode
OutputsConnector4-pin Euro Terminal Block (Pitch - 5.08 mm)Protection100/ 70 V / 4 ΩProtectionAmplifierDC Short circuitOver heatingOver heatingCoolingConvection cooled	Power	Supply	Operating	
ProtectionAmplifierDC Short circuitVoltage / ImpedanceDC Short circuitOver heatingSignal limitingCoolingConvection cooled				100 ~ 240 V AC / 50 ~ 60 Hz
Protection Amplifier DC Short circuit Over heating Signal limiting Cooling Convection cooled				100 ~ 240 V AC / 50 ~ 60 Hz 15 V DC
Cooling Over heating Signal limiting Convection cooled	Inputs	Balanced Microphone		100 ~ 240 V AC / 50 ~ 60 Hz 15 V DC Priority mute contact
Cooling Signal limiting Convection cooled	Inputs	Balanced Microphone Connector		100 ~ 240 V AC / 50 ~ 60 Hz 15 V DC Priority mute contact 4-pin Euro Terminal Block (Pitch - 5.08 mm)
Cooling Convection cooled	Inputs Outputs	Balanced Microphone Connector Voltage / Impedance		$100 \sim 240 \text{ V AC / } 50 \sim 60 \text{ Hz}$ 15 V DC Priority mute contact $4\text{-pin Euro Terminal Block (Pitch - 5.08 mm)}$ $100/70 \text{ V / } 4 \Omega$
	Inputs Outputs	Balanced Microphone Connector Voltage / Impedance		$100 \sim 240 \text{ V AC / } 50 \sim 60 \text{ Hz}$ 15 V DC Priority mute contact
Operating temperature 0° ~ 40° @ 95% Humidity	Inputs Outputs	Balanced Microphone Connector Voltage / Impedance		$100 \sim 240 \text{ V AC / } 50 \sim 60 \text{ Hz}$ 15 V DC Priority mute contact
	Inputs Outputs Protection	Balanced Microphone Connector Voltage / Impedance		$100 \sim 240 \text{ V AC / } 50 \sim 60 \text{ Hz}$ 15 V DC Priority mute contact} $4\text{-pin Euro Terminal Block (Pitch - 5.08 mm)}$ $100/70 \text{ V / } 4 \Omega$ DC Short circuit

Product Features:

Dimensions		217.5 x 43.7 x 300 mm (W x H x D)
Weight		3 kg
Mounting		1/2 19" / 1 HE or tabletop
Construction		Steel
Colours		Black
Accessories	Optional	19" Rackmount adapter