

A 4262B - Compact Class D Bluetooth PA Mixer Amplifier 240W



Overview

These compact Class-D design amplifiers offer multi source mixing plus USB/SD card/FM tuner audio playback and Bluetooth streaming functionality. They are an all in one amplifier and audio source housed in just a single rack unit of space! Ideal for use in retail, offices, venues and other commercial buildings.

The unique feature of the Class-D design is the significant reduction in power consumption and heat generation due to the switch mode power supply design employed. They utilise active power factor correction (APFC) switch mode power technology allowing an efficiency rating of 85%. The result of which is a much cooler running amplifier (<55°C), offering a long life span and significant power savings for a reduced environmental impact.

Screw terminal connections are provided for balanced inputs from sources, 100V / 4-16Ω output and 24V DC input. A stereo RCA line output is provided, plus two stereo RCA line inputs. Easy line/mic/phantom power options are available on mic inputs 1 to 4. A top priority emergency input is also provided which can be connected to an alert/evac tone generator.

Music playback is easily managed via the front panel track selection and play/pause controls. Music files can be stored and played back from SD card, USB memory stick or Bluetooth enabled device.

Key Features

- Mixer amplifier with in-built SD/USB/FM tuner/Bluetooth music source
- 85% efficient class-D power performance
- Low power consumption & heat generation
- Compact 1RU case
- Bass & treble control
- Front panel mic input
- Protection circuitry
- LED indicators for signal, peak, protection and power
- Selectable 100V line/4-16Ω output
- Mic/Line/Phantom Power options on Mic 1-4
- 24V DC battery backup power input
- Emergency priority input (Mic 1)
- Adjustable VOX muting

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Rear Panel

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|--------------------------|------------------------------------|------------------------------------|-----------------------------------|
| 1 240V AC input | 6 Stereo RCA line input 2 | 11 Mic 3 balanced input terminals | 16 Mic 1 balanced input terminals |
| 2 24V DC input | 7 Stereo RCA line input 1 | 12 Mic 2 Mic/Line/Phantom selector | 17 Input 1 Balanced 3 Pin XLR |
| 3 100V/4-16Ω output | 8 Mic 4 Mic/Line/Phantom selector | 13 Mic 2 balanced input terminals | 18 EMC input terminals |
| 4 100V/4-16Ω switch | 9 Mic 4 balanced input terminals | 14 Muting level adjustment | 19 FM antenna terminal |
| 5 Stereo RCA line output | 10 Mic 3 Mic/Line/Phantom selector | 15 Mic 1 Mic/Line/Phantom selector | |

Specifications

General	
Rated Power	240W
Output level	4-16Ω/100V
Indicator	Power indicator
Short-circuit mode	Short circuit, no voltage
Cooling mode	Air cooling
Protection mode	Overheat/short circuit
Operation temperature	+5°C~+40°C
Storage temperature	-20°C~+70°C
Relative humidity	<95% (No condensation)
Voltage	240V 50Hz
Power consumption	370W
Weight	5kg
Dimensions	484 x 295 x 44mm

Input Sensitivity	
Mic	2mV ±1mV
Line	100mV ±20mV
Aux	350mV ±20mV
EMC	775mV ±40mV
Pre-ouput	1V ±50mV/100Ω

Tone Control	
Low Frequency	±10dB at 100Hz
High Frequency	±10dB at 100Hz

Frequency Response	
Audio Out	20Hz ~ 20KHz (±3dB)
Mic	200Hz ~ 16KHz (±3dB)

SNR / THD	
Mic	≥65dB
Music	≥70dB
THD	THD+N ≥ 0.1%

Connections

Inputs	Mic	Aux
	Screw terminal	Stereo RCA

Outputs	Line Out	Speakers
	Stereo RCA	Screw terminals for 100V line and 4-16Ω (switchable)