

Section Public Address

Category Amplifiers

Serie AXD2000

Code AXD2240

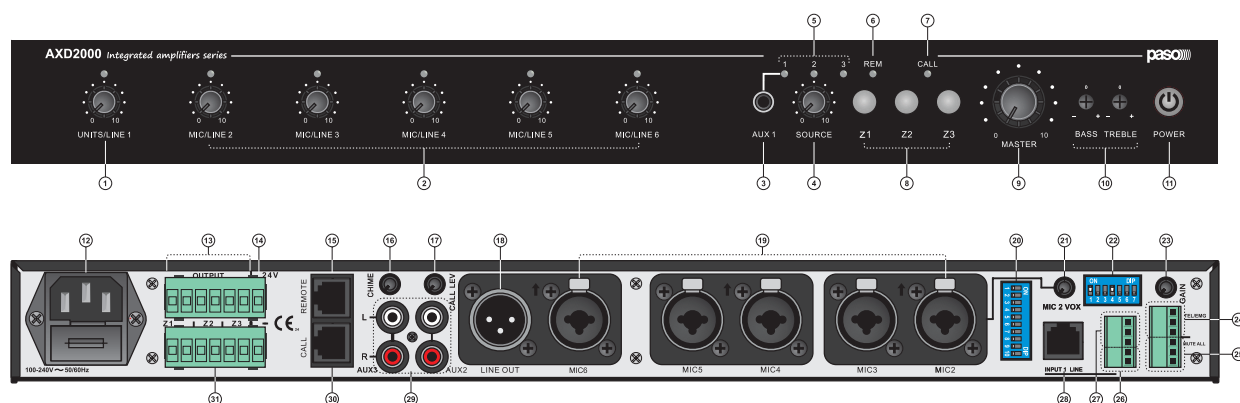
Description **240 W 3-Zone Class D Mixer/Amplifier**

The **AXD2240** class D mixer/amplifier is capable of handling 3 output lines, Chime/VOX functions, CAT5 connection for pre-amplified call stations, microphones and line-level music sources. The main feature of this device is the ability to select the operating mode of the device in detail via DIP switches, which allow the user to check and/or adjust the settings of all operating parameters.

This model offers the possibility to connect:

- PASO **PMB106-G** / **B711-G** / **B53-C** preamplified microphone units.
- PASO **B701-MG** non-preamplified microphone units.
- 3 auxiliary audio sources.
- 5 dynamic and electret microphones with Phantom power equipped with an XLR plug.
- a telephone system with balanced line-level audio output.

This amplifier is suitable for desktop installation, but is prepared for mounting in PASO 19" rack cabinets using the optional accessory **AC2001-RCK**.



Front panel

1. Input level control (UNITS/LINE 1) with indicator LED.
2. Input level controls (MIC/LINE 2÷6) with indicator LEDs.
3. 3.5mm mini-jack socket for external auxiliary source (AUX 1).
4. Auxiliary input selection and level control (SOURCE).
5. Indicators for active auxiliary source (LED 1÷3).
6. Indicator for active source from remote unit (LED REM).
7. Call in progress indicator (CALL).
8. Zone selection keys (Z1÷Z3).
9. Main volume control (MASTER).
10. Bass/treble tone controls (BASS/TREBLE).
11. ON/OFF switch with two-colour LED.

Rear panel

12. Mains plug with built-in fuse.
13. Loudspeaker output terminal block with 4Ω impedance and constant-voltage 70V/100V outputs (OUTPUT).
14. Override output contact terminal +24Vdc.
15. RJ45 socket for connection to remote units (expected).
16. Level adjustment for Chime warning signal.
17. Level adjustment for incoming call from PMB call station.
18. Balanced XLR line output (LINE OUT).
19. XLR microphone/line inputs ~ 1/4" jack (MIC2÷MIC6).
20. DIP switches for setting MIC3÷MIC6 input functions.
21. Adjustment of VOX activation threshold for MIC2 input.
22. DIP switches for setting INPUT 1 and MIC2 input functions.
23. Level adjustment for TEL./EMG output.
24. Connection to TEL./EMG (balanced audio line signal) with activation via VOX.
25. Contact for muting all inputs (MUTE ALL).
26. Priority +12V and PR connection for LINE1 input.
27. LINE1 balanced line-level audio input.
28. RJ45 socket for input of pre-amplified microphone call stations such as PASO B711-G.
29. RCA auxiliary inputs (AUX 2 / AUX 3).
30. RJ45 socket for microphone call stations with selection of up to 3 zones PASO PMB106-G.
31. Loudspeaker zone output terminal block (Z1÷Z3).

Technical data

MODEL	AXD2240
Rated power output	240 W
Constant voltage outputs	70 V - 100 V
Low impedance outputs	4 Ω
Distorsion at rated power	< 1%
Tones control	
Bass tones	± 10 dB (100 Hz)
Treble tones	± 10 dB (10 kHz)
UNITS/LINE 1 input	
	RJ45 & Terminal block
Sensitivity	MIC: 1,5 mV ; LINE: 200 mV
S/N Ratio	MIC: > 60 dB ; LINE: > 70 dB
Frequency response (± 3 dB)	MIC: 450 \div 15.000 Hz ; LINE: 60 \div 15.000 Hz
Priority	Short trigger input
MIC2 input	
	XLR / Jack 1/4"
Sensitivity	MIC: 1,5 mV ; LINE: 200 mV
S/N Ratio	MIC: > 60 dB ; LINE: > 70 dB
Frequency response	MIC: 450 \div 15.000 Hz ; LINE: 60 \div 15.000 Hz
Priority activation threshold	0,3 \div 0,8 mV (VOX set to minimum)
MIC 3+6 inputs	
	XLR / Jack 1/4"
Sensitivity	MIC: 1,5 mV ; LINE: 200 mV
S/N Ratio	MIC: > 60 dB ; LINE: > 70 dB
Frequency response	MIC: 450 \div 15.000 Hz ; LINE: 60 \div 15.000 Hz
AUX 1 input	
	Mini jack 3,5 mm
Sensitivity	230 mV
S/N Ratio	> 75 dB
Frequency response (± 3 dB)	20 \div 20.000 Hz
AUX 2 / AUX 3 inputs	
	RCA
Sensitivity	230 mV
S/N Ratio	> 75 dB
Frequency response (± 3 dB)	20 \div 20.000 Hz
CALL / REMOTE inputs	
	RJ45
Sensitivity	1 V
S/N Ratio	> 70 dB
Frequency response (± 3 dB)	100 \div 12.000 Hz
TEL./EMG input	
	Terminal block
Sensitivity	150 mV
S/N Ratio	> 70 dB
Frequency response (± 3 dB)	100 \div 12.000 Hz
VOX activation threshold	70 \div 80 mV
Signal outputs	
	XLR
Line OUT	1 V (Balanced)
Operating conditions	
Mains power supply	230-110 Vac \pm 10% - 50/60 Hz
Consumption	685 VA
General information	
Dimensions (W x H x D)	430 x 44 x 315 mm (19" rack, H=1U)
Net weight	4,3 kg