

Category

Compact Systems

Code

PA6240

Range

PA6000

Description

240 W Compact Sound-Broadcasting System

Compact system **PA6240** has an internal CPU capable of managing the selections, the Chime/VOX functions and microphone stations. The main feature of these pieces of equipment is the possibility of making a detailed choice of operating mode of the equipment by means of DIP switches that enable the settings of all the operating parameters to be checked and/or changed:

- priority management
- muting of inputs
- warning signal and enabling of the VOX function
- zone call
- VOX release time

The **PA6240** also has a multifunction module (CD player/tuner) enabling external devices such as an SD/MMC card or a USB storage unit to be read.

The AM/FM tuner can be used to tune in both in the automatic and in the manual mode and to store programs split up between the bands (10+10). The CD/MP3 player has functions for programming listening, repeating and random playing of the tracks.



Functional features

- 2-off XLR balanced/unbalanced microphone inputs, with Phantom supply.
- 1-off microphone input (XLR) / PMB Series microphone station (RJ45).
- 2-off MIC./LINE inputs with operating mode selection.
- 2-off auxiliary inputs for external sound sources (TAPE/CD).
- Emergency input from PABX.
- Socket for connection of PMB106/PMB106-G microphone stations (RJ45 connector, CAT5 SFTP cable).
- Balanced line output for connection with other amplifiers.
- Loudspeakers output terminal strip (50-70-100V/8Ω).
- Terminal strip for external DC power supply.
- Precedence and override terminal strip.
- "MUSIC ON HOLD" terminal strip.
- Activation threshold/level control of the warning signal (Chime).
- Music signal level adjustment (zone 1 to 6).
- Possibility to connect an external amplifier.
- Output for recorder.
- Selectable mains voltage (230/115V).

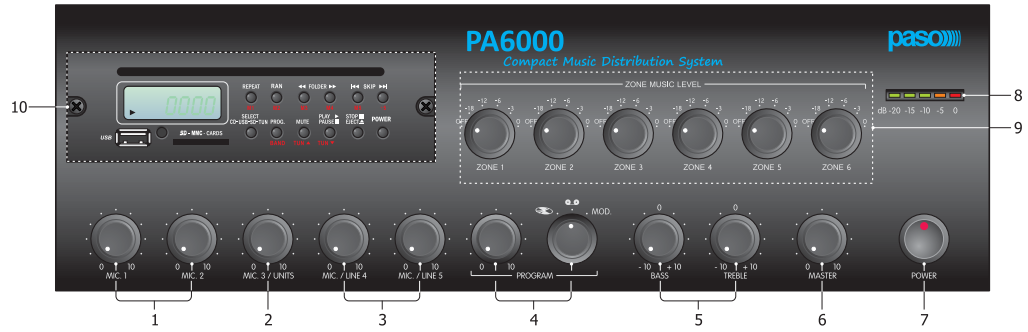
SOUND SYSTEM SPECIAL

Technical data

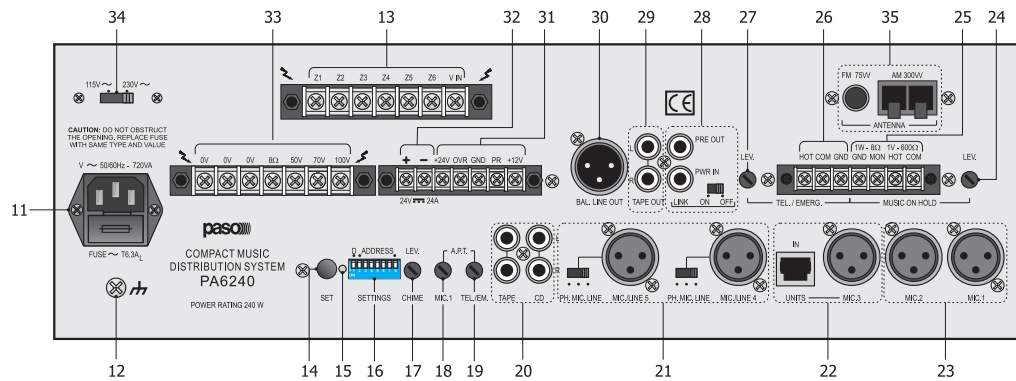
Rated power output	240 W
Constant voltage outputs	50 - 70 - 100 V
Low impedance outputs	8 Ω
Distorsion at rated power	<1%
Tones control	
Bass tones	±10 dB (100 Hz)
Treble tones	±10 dB (10 kHz)
Microphone inputs MIC.1 and MIC.2	
Input sensitivity/impedance	1,2 mV / 1300 Ω
S/N Ratio	66 dB
Frequency response	40 ÷ 19.000 Hz
Phantom supply	17,5 V
VOX MIC.1 activation threshold	0,2 ÷ 5 mV
Microphone input MIC.3/UNITS	
Input sensitivity/impedance	<i>MIC.3: 1,2 mV / 1,3 kΩ ; UNITS: 850 mV / 800 kΩ</i>
S/N Ratio	<i>MIC.3: 66 dB ; UNITS: 76 dB</i>
Frequency response	<i>MIC.3: 30÷20.000 Hz ; UNITS: 30÷20.000 Hz</i>
Microphone inputs MIC./LINE 4 and 5	
Input sensitivity/impedance	<i>MIC: 1,2 mV / 1,3 kΩ ; LINE: 110 mV / 130 kΩ</i>
S/N Ratio	<i>MIC: 66 dB ; LINE: 77 dB</i>
Frequency response	<i>MIC: 30÷20.000 Hz ; LINE: 30÷20.000 Hz</i>
Auxiliary inputs	
CD Input sensitivity/impedance	450 mV / 35 kΩ
TAPE Input sensitivity/impedance	220 mV / 18 kΩ
S/N Ratio	80 dB
Frequency response	30÷20.000 Hz
Precedence attenuation	60 dB
Telephone input	
Input sensitivity/impedance	105 mV / 6 kΩ
S/N Ratio	74 dB
Frequency response	200÷20.000 Hz
Telephone input activation threshold	0÷200 mV
Signal outputs	
MOH Line	2 V / 300 Ω
MOH Monitor power	1,9 W / 8 Ω
PRE OUT output	0,8 V / 3,8 kΩ
TAPE OUT output	0,9 V / 2 kΩ
LINE OUT output	1 V / 3,9 kΩ
Operating conditions	
230 V ±10% 50/60 Hz Mains power supply	P=510W ; A=590 VA
115 V ±10% 50/60 Hz Mains power supply	P=470W ; A=540 VA
External DC power supply	24 V / 13,1 A (0,3 A @ P _{OUT} =0 W)
Dimensions	432 x 133 x 360 mm
Weight	16,5 kg

SOUND SYSTEM SPECIALIST

Front panel



Rear panel



Numbered references

1. Level control for microphone inputs.
2. Microphone input/unit level control.
3. Microphone input/line level control.
4. Level control and selection of auxiliary inputs.
5. Tone controls.
6. General volume control.
7. Mains switch.
8. Output level indicator.
9. Music signal level adjustment (zone 1 to 6).
10. Multifunction module.
11. Mains plug with built-in fuse.
12. Frame connection.
13. Zone selection terminal strip.
14. Push-button for settings.
15. LED for confirming acquisition of settings.
16. DIP switches for making settings.
17. Level control of the warning signal.
18. MIC.1 input precedence activation threshold adjustment.
19. TEL./EMERG. input precedence activation threshold adjustment.
20. Auxiliary inputs.
21. MIC/LINE inputs 4-5 and relevant operating mode selector switches.
22. MIC3/PMB range Unit input.
23. Microphone inputs.
24. MUSIC ON HOLD output level adjustment.
25. MUSIC ON HOLD line and power outputs.
26. Emergency input from PABX.
27. Telephone input level adjustment.
28. Socket for an external equaliser.
29. Output for recorder.
30. Balanced line output.
31. Precedence and override connections.
32. Terminal strip for external DC power supply.
33. Loudspeakers output terminal strip.
34. Mains voltage selector switch.
35. Sockets for FM and AM aerials.