Compact Systems

PA6120

120 W Compact Sound-Broadcasting System
Compact system PA6120 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 PA6120 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).
### Rated power output
- **120 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 MI C.1 and MI C.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 MI C.3/ UNITS
- **Input sensitivity/impedance**
  - **MIC.3**: 1.2 mV / 1300 Ω; **UNITS**: 850 mV / 800 kΩ
- **S/N Ratio**
  - **MIC.3**: 66 dB; **UNITS**: 76 dB
- **Frequency response**
  - **MIC.3**: 30÷20.000 Hz; **UNITS**: 30÷20.000 Hz

### Microphone inputs MI C./ LINE 4 and 5
- **Input sensitivity/impedance**
  - **MIC**: 1.2 mV / 1300 Ω; **LINE**: 110 mV / 130 kΩ
- **S/N Ratio**
  - **MIC**: 66 dB; **LINE**: 77 dB
- **Frequency response**
  - **MIC**: 30÷20.000 Hz; **LINE**: 30÷20.000 Hz

### 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=280 W; A=325 VA
- **115 V ±10% 50/60 Hz Mains power supply**: P=270 W; A=310 VA
- **External DC power supply**: 24 V / 6.8 A (0.2 A @ POUT=0 W)
- **Dimensions**: 432 x 133 x 360 mm
- **Weight**: 14 kg
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.
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.
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.