

Section	Public Address
Category	CMD5 Compact systems
Range	PA6000
Code	PA6120
Description	120 W RMS compact system with 6 output zones



The PA6120 compact system combines in a single container a multi-function sound source (CD-MP3 player, USB, SD/MMC card and AM/FM tuner) and a 120W amplifier-mixer, with six output zones and separate volume control. It has an internal CPU able to manage easily the many functions of the equipment. Specific microswitches on the rear enable the desired operating mode to be selected. A high degree of reliability is ensured by electronic devices protecting them from overload currents and over-temperatures of the power devices. Each unit also has a cooling fan, with automatic control of the speed depending on the temperature.

Each unit of the PA6000 range has a multi-function module with a tuner/ CD/MP3 player that also enables external devices such as SD/MMC cards to be played and an USB storage unit. The module has a display for indicating the presence or lack of CD/SD/MMC/USB media, the chosen functions, information about the tracks and the type of tuning selected. All the keys needed for control of the module are accessible on the front panel: selection of the device to be used, controls for playing out the tracks in the normal module, programming functions for listening to the pieces of music, repeating them or playing them out in random order. The AM/FM tuner can be used for automatic or hand tuning and for storage of 10 programmes in both bands.

Functional features

- 2 balanced/unbalanced microphone inputs with phantom power supplies.
- Microphone input or microphone bases of the PMB range.
- 2 MIC/PH/LINE inputs with associated selector switch.
- 2 auxiliary inputs for sound sources (TAPE/CD).
- Telephone/emergency audio input for priority calls with adjustable threshold and sensitivity.
- Front-panel level controls for each microphone and auxiliary input.
- Front panel overall volume control and treble and bass controls.
- Multi-purpose sound source module with CD-MP3/ USB/SD CARD player and AM/FM tuner.
- Constant voltage (50/70/100 V) or 8Ω impedance loudspeaker output lines.
- 6 output lines (zones) with front-panel level control for the music signal for each single zone.
- Balanced line output for connection to other amplifiers.
- Output/input for connection to audio processors.
- Connection to an external amplifier for simultaneous music and speech in different zones.
- LED-type Vu meter for clear and immediate monitoring of output power.
- Microswitches for setting the operating modes.
- Inclusion/exclusion of speech filter on all microphone inputs.
- Contacts for activating input precedence and override.
- "Music On Hold" output with output level control (output of selected auxiliary signal).
- Alerting signal (chime) with level control.
- Selectable 230/115 Vac and 24 Vdc mains power supply.

Accessories

AC50/3 Brackets for 19" rack mounting.

Technical data

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 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 k Ω
TAPE Input sensitivity/impedance	220 mV / 18 k Ω
S/N Ratio	80 dB
Frequency response	30÷20.000 Hz
Precedence attenuation	60 dB
Telephone input	
Input sensitivity/impedance	105 mV / 6 k Ω
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 k Ω
TAPE OUT output	0,9 V / 2 k Ω
LINE OUT output	1 V / 3,9 k Ω
Operating conditions	
230 V $\pm 10\%$ 50/60 Hz Mains power supply	P=280W ; A=325 VA
115 V $\pm 10\%$ 50/60 Hz Mains power supply	P=270W ; 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