



# MDS 6120 / 6240

## MUSIC DISTRIBUTION SYSTEMS

### Description

#### 120W (6120) / 240W (6240) Compact sound-broadcasting systems

Compact system MDS6000 range 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 MDS6000 range have 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) / MBT1000 range 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 microphone stations (RJ45 connector, CAT5 SFTP cable).
- Balanced line output for connection with other amplifiers.
- Loudspeakers output terminal strip (50-70-100V / 8 Ohm).
- 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).

### Multipurpose panel





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	<b>6120</b>	<b>6240</b>
Rated power output	120 W	240 W
Constant voltage outputs	50 - 70 - 100 V	50 - 70 - 100 V
Low impedance outputs	8Ohm	8Ohm
Distorsion at rated power	<1%	<1%
<b>Tones control</b>		
Bass tones	±10 dB (100 Hz)	±10 dB (100 Hz)
Treble tones	±10 dB (10 kHz)	±10 dB (10 kHz)
<b>Microphone inputs MIC.1 and MIC.2</b>		
Input sensitivity/impedance	1,2 mV / 1300 Ohm	1,2 mV / 1300 Ohm
S/N Ratio	66 dB	66 dB
Frequency response	40 ÷ 19.000 Hz	40 ÷ 19.000 Hz
Phantom supply	17,5 V	17,5 V
VOX MIC.1 activation threshold	0,2 ÷ 5 mV	0,2 ÷ 5 mV
<b>Microphone input MIC.3/UNITS</b>		
Input sensitivity/impedance	<i>MIC.3: 1,2 mV / 1,3 kOhm UNITS: 850 mV / 800 kOhm</i>	<i>MIC.3: 1,2 mV / 1,3 kOhm UNITS: 850 mV / 800 kOhm</i>
S/N Ratio	<i>MIC.3: 66 dB ; UNITS: 76 dB</i>	<i>MIC.3: 66 dB ; UNITS: 76 dB</i>
Frequency response	<i>MIC.3: 30÷20.000 Hz ; UNITS: 30÷20.000 Hz</i>	<i>MIC.3: 30÷20.000 Hz ; UNITS: 30÷20.000 Hz</i>
<b>Microphone inputs MIC./LINE 4 and 5</b>		
Input sensitivity/impedance	<i>MIC: 1,2 mV / 1,3 kOhm LINE: 110 mV / 130 kOhm</i>	<i>MIC: 1,2 mV / 1,3 kOhm LINE: 110 mV / 130 kOhm</i>
S/N Ratio	<i>MIC: 66 dB ; LINE: 77 dB</i>	<i>MIC: 66 dB ; LINE: 77 dB</i>
Frequency response	<i>MIC: 30÷20.000 Hz ; LINE: 30÷20.000 Hz</i>	<i>MIC: 30÷20.000 Hz ; LINE: 30÷20.000 Hz</i>
<b>Auxiliary inputs</b>		
CD Input sensitivity/impedance	450 mV / 35 kOhm	450 mV / 35 kOhm
TAPE Input sensitivity/impedance	220 mV / 18 kOhm	220 mV / 18 kOhm
S/N Ratio	80 dB	80 dB
Frequency response	30÷20.000 Hz	30÷20.000 Hz
Precedence attenuation	60 dB	60 dB
<b>Telephone input</b>		
Input sensitivity/impedance	105 mV / 6 kOhm	105 mV / 6 kOhm
S/N Ratio	74 dB	74 dB
Frequency response	200÷20.000 Hz	200÷20.000 Hz
Telephone input activation threshold	0÷200 mV	0÷200 mV
<b>Signal outputs</b>		
MOH Line	2 V / 300 Ohm	2 V / 300 Ohm
MOH Monitor power	1,9 W / 8 Ohm	1,9 W / 8 Ohm
PRE OUT output	0,8 V / 3,8 kOhm	0,8 V / 3,8 kOhm
TAPE OUT output	0,9 V / 2 kOhm	0,9 V / 2 kOhm
LINE OUT output	1 V / 3,9 kOhm	1 V / 3,9 kOhm
<b>Operating conditions</b>		
230 V ±10% 50/60 Hz Mains power supply	P=280W ; A=325 VA	P=510W ; A=590 VA
115 V ±10% 50/60 Hz Mains power supply	P=270W ; A=310 VA	P=470W ; A=540 VA
External DC power supply	24 V / 6,8 A (0,2 A @ P <sub>OUT</sub> =0 W)	24 V / 13,1 A (0,3 A @ P <sub>OUT</sub> =0 W)
Dimensions	432 x 133 x 360 mm	432 x 133 x 360 mm
Weight	14 kg	16,5 kg