

CMDS Compact System

MAIN FEATURES

- 60W / 120W / 240W Compact sound-broadcasting systems
- MP3 file player via USB, SD, or MMC card.
- FM digital tuner
- 3 x MIC/LINE inputs with operating mode selector switches.
- 1 x VOX input (INPUT1)
- 1 x auxiliary input for sound sources (TAPE/CD).
- XLR sockets for connection to dynamic microphones and/or MBT6400S microphone stations.
- Terminal strip for loudspeakers output (25-70-100V / 4Ohm).
- Terminal strip for external 24Vdc power supply.
- Terminal strip for microphone precedence.
- Possibility to connect an external equalizer and/or booster.
- Provisions for mounting in a standard 19" rack using optional specific accessories.
- Selectable mains power (230/120Vac).

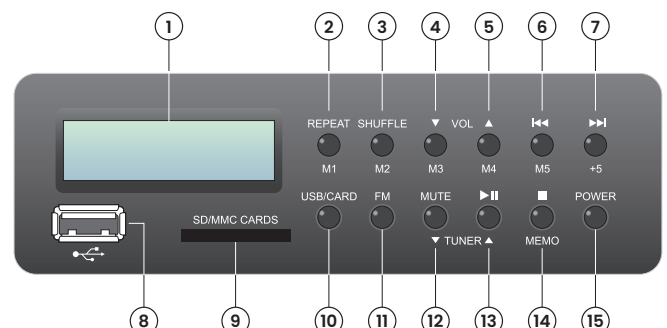


DESCRIPTION

The compact systems of the MDS1000 range combine in a single piece of equipment a reliable amplifier, an MP3 player, an SD/MMC card reader, a USB socket for connection to external storage units, and a digital FM tuner, in addition to a range of functions typical of sound-broadcasting systems. The XLR sockets on the rear panel can be separately configured as microphone inputs (with or without phantom power supply) or as line inputs. The operating mode can be selected by means of the specific three-position switches. Each of these inputs has its own level control so as to be able to adjust the amplitude of the various different signals suitably. In addition, the INPUT 1 microphone input has an automatic precedence function (VOX): when speaking with the microphone connected to this input, all the music and microphone inputs will be automatically muted. It is possible to connect any FBT AUDIO CONTRACTOR dynamic microphone and MBT 6400S microphone bases to the equipment of the MDS1000 range.

CONTROLS & FUCTIONS

1. Backlit display
2. Repetition of tracks
3. Random repetition
4. Volume -
5. Volume +
6. Previous track / Fast rewind
7. Next track / Fast forward
8. USB socket for external devices
9. Compartment for inserting SD / MMC cards
10. USB / CARD mode selection
11. FM tuner mode selection
12. Mute
13. Start playing / Pause
14. Stop playing
15. Module ON / OFF switch



TECHNICAL SPECIFICATIONS

GENERAL		MDS 1060	MDS 1120	MDS 1240
Code		37495	37496	37497
Rated output power (THD <1%)	W	60	120	240
Constant voltage outputs	V	100 / 70 / 25	100 / 70 / 25	100 / 70 / 25
Low impedance outputs	Ohm	4	4	4

TONE CONTROLS

Bass tones (@100Hz)	dB	± 12	± 12	± 12
Treble tones (@10Hz)	dB	± 11	± 11	± 11

MICROPHONE / LINE INPUTS

• Sensitivity	V	MIC: 3m / LINE: 250m	MIC: 3m / LINE: 250m	MIC: 3m / LINE: 250m
• Impedance	Ohm	MIC: 1.5k / LINE: 100k	MIC: 1.5k / LINE: 100k	MIC: 1.5k / LINE: 100k
• Frequency response	Hz	MIC / LINE: 35 ÷ 16k	MIC / LINE: 35 ÷ 16k	MIC / LINE: 35 ÷ 16k
• S/N ratio	dB	MIC: 68 / LINE: 72	MIC: 70 / LINE: 76	MIC: 70 / LINE: 76
• S/N ratio ("A" weighted)	dB	MIC: 73 / LINE: 80	MIC: 73 / LINE: 82	MIC: 73 / LINE: 82
• INPUT 1 VOX activation threshold	V	MIC: 0.9m	MIC: 0.9m	MIC: 0.9m
• Phantom supply	V / Ohm	MIC: 18 / 2.2k	MIC: 18 / 2.2k	MIC: 18 / 2.2k

AUXILIARY INPUTS

• Sensitivity	V	400m	400m	400m
• Impedance	Ohm	22k	22k	22k
• Frequency response	Hz	30 ÷ 18k	30 ÷ 18k	30 ÷ 18k
• S/N ratio	dB	78	80	80
• S/N ratio ("A" weighted)	dBA	85	82	85
• VOX and precedence attenuation	dB	-60	-60	-60

POWER INPUT

• Input sensitivity	V	1	1	1
• Impedance	Ohm	22k	22k	22k
• Frequency response	Hz	30 ÷ 18k	30 ÷ 18k	30 ÷ 18k
• S/N ratio	dB	85	93	93
• S/N ratio ("A" weighted)	dBA	100	100	100

LINE OUT output

Output level / impedance	V / Ohm	1 / 200	1 / 200	1 / 200
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PRE OUT output

Output level	V	1	1	1
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POWER SUPPLY

230 / 120V ± 10% 50 / 60Hz Mains power supply	W	P = 150	P = 300	P = 600
External 24Vdc power supply	A	4	10	20

MECHANICAL SPECIFICATION

Net dimension (WxHxD)	mm	430 x 88 x 270	430 x 88 x 270	430 x 88 x 270
	inch	16.9 x 3.5 x 10.6	16.9 x 3.5 x 10.6	16.9 x 3.5 x 10.6
Net weight	kg	6.20	8.50	10.50
	lb	13.66	18.73	23.15