

# MDS Series

## Digital / Analog Wireless Radio Loudspeaker

MDS-1400 (10W) Portable w/ Wall Plug & Battery Back up  
MDS-2400 (20W) Portable w/ Wall Plug & Battery Back up  
MDS-3400 (10W) Ceiling Mount w/ Power Supply & Backup Battery

**Use wherever loudspeakers are needed:**  
Schools, Factories, Terminals, Shopping Centers, Large Stores, Parking Lots,  
Golf courses, Amusement facilities, Warehouse &  
Distribution Centers, and Public Address Alerting



MDS-2400

MDS-1400

MDS-3400

- Receive-Only Radio Wireless Loudspeaker System
- Works with any DMR Tier II Digital or Analog UHF radio in 400-470 UHF Band
- Single Channel (Store up to 32 additional Channels; Selectable via CPS SW)
- Programmable DMR / Analog / Mixed Mode per Channel
- Unlimited # of Speakers & Portable Radios can be used
- Private Call, All Call, or create Groups to use only specific loudspeakers
- CTCSS/DCS can be used in Analog mode to access specific loudspeakers
- Broadcast Alerts via your portable radio for Emergencies
- Programmable via Bluetooth PC Dongle (USB)
- Each speaker comes with basic mounting brackets for wall or ceiling installation
- Portable w/wall plug or ceiling mount version (AC 110V)
- Includes Power Supply & Back Up Battery (5-Hr Broadcasting, 9-Hr Standby) for Power Disruptions & Portability



Control Volume  
w/ MDP-6424 &  
MDP-7424

## SPECIFICATIONS

### GENERAL

MDS-1400/2400/3400	400-470MHz Digital / Analog
Digital	DMR Tier 2 TDMA
Channel Spacing	12.5 KHz
Frequency Stability	± 1.0PPM (-30° to 60° C)
Digital Vocoder	AMBE++
Digital Protocol	ETSI TS 102 361
MDS-1400	126(W) x 133(D) x 266(H)mm; 4.3lbs
MDS-2400	126(W) x 133(D) x 376(H)mm; 5.9lbs
MDS-3400	Ø277X100(D)mm; 2.65lbs
Power Supply	DC+12V / 1A

### AUDIO OUTPUT

MDS-1400	10W 8 Ω
MDS-2400	20W 8 Ω
MDS-3400	10W 8 Ω

### RECEIVER

Sensitivity	.22uV BER 3%
Inter-modulation	65dB
Spurious Rejection	-36dBm(< 1GHz) -30dBm(> 1GHz)
S/N Ratio	40dB (12.5kHz)
Adjacent Channel Power	65B
Audio Response	+1,~-3dB From 6dB per octave de-emphasis characteristics

### BATTERY SPECS

Battery Capacity	7.6V, 2600mAh
Charging Voltage	12V, 1A
Charging Time: (Using 300mA Charger):	Up to 10 hours

### ENVIRONMENTAL

Operating Temperature	-30 ° C to +60 ° C
Storage Temperature	-40 ° C to +85 ° C

Approvals	FCC	Industry Canada
MDS-1400/2400/3400	Part 2 & 15, Subpart B	ICES-003 (Issue 7)

NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

Specifications are subject to change without notice.

## FEATURES



- o Wall Mount bracket kit included for MDS-1400/2400



- o MDP-6424 & MDP-7424 can be used to control volume
- o MDS-3400 ceiling speaker uses a 110VAC to 12VDC power supply to power the speaker. AC power plug can be removed for connection to a junction box.



RoHS  
2002/95/EC



Manufactured to ISO-9002:2000 quality standard.

**maxon®**

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