



MIDLAND[®]

OLYMPIAN SERIES MOBILE RADIO



- 5 / 50 AND 10 / 70 WATTS VHF
5 / 45 WATTS UHF
- 8 / 32 / 128 CHANNELS
- CTCSS / DCS
- MULTIPLE SCAN FUNCTIONS
- TWO-TONE ENCODE / DECODE
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- ALPHANUMERIC DISPLAY ON 32 AND 128 CHANNEL MODELS
- PROGRAMMABLE SOFT KEYS
- MEETS MIL-STD 810F





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VHF Models MO-1008
/ MO-1032 / MO-1128 UHF Models MO-4008
/ MO-7128 / MO-4032 / MO-4128

Specifications

Frequency Range	136 - 174 MHz	430 - 470 MHz
Channels	8 / 32 / 128 (grouped in up to 8 banks)	
Channel Spacing (wide/narrow)	25 / 12.5 kHz	
Channel Stepping	2.5, 5, 6.25, 7.5 kHz	5, 6.25 kHz
CTCSS / DCS Per Channel	50 CTCSS / 104 DCS	
Input Voltage	13.6V DC ±15%	
Dimensions H x W x D	1-3/4" x 6-1/2" x 6-3/8" (44 x 164 x 162 mm)	
Weight	3.3 lbs. (1.5 kg)	
MIL-STD Specifications	810F	
FCC Identifier	MMAM01032	MMAM04032
FCC Compliance	Part 90	

Receiver Specifications

Measurement per ANSI / TIA / EIA-603

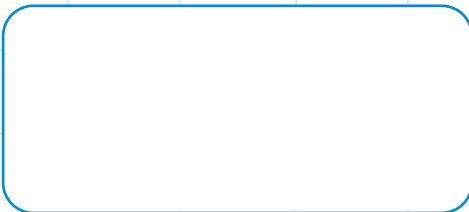
Frequency Stability	±2.5 ppm (-30° to +60°C)
Sensitivity (12 dB SINAD)	.25 µV
Selectivity	65 dB @ 12.5 kHz; 70 dB @ 25 kHz
Acceptable Radio Frequency Displacement	±1 kHz @ 12.5 kHz; ±2 kHz @ 25 kHz
Spurious Rejection	65 dB @ 12.5 kHz; 70 dB @ 25 kHz
Intermodulation Rejection	70 dB
Squelch Sensitivity	< 12 dB SINAD
Audio Response	Per EIA / TIA-603 Specifications
Audio Output	4 Watts @ < 5% THD into 8 Ω
RF Input Impedance	50 Ω

Transmitter Specifications

Measurement per ANSI / TIA / EIA-603

RF Power Output (MO-1008/MO-1032/MO-1128)	5 Watts or 50 Watts	5 Watts or 45 Watts
RF Power Output (MO-7128)	10 Watts or 70 Watts	
Frequency Stability	±2.5 ppm -22°F to +140°F (-30° to +60°C)	
Modulation	11K0F3E, 16K0F3E	
Adjacent Channel Emissions	60 dB @ 12.5 kHz; 70 dB @ 25 kHz	
Spurious Emissions	70 dB	
FM Hum and Noise	40 dB @ 12.5 kHz; 45 dB @ 25 kHz	
Audio Response	Per EIA / TIA-603 Specifications	
Audio Distortion	< 5% 1 kHz @ 60% deviation	
RF Output Impedance	50 Ω	

FOR MORE INFORMATION, CONTACT:



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HEAVY DUTY DTMF
MOBILE MIC (ACC-709)



HEAVY DUTY MOBILE
MIC (ACC-4473)



HEAVY DUTY REMOTE
SPEAKER (AA-1470A)

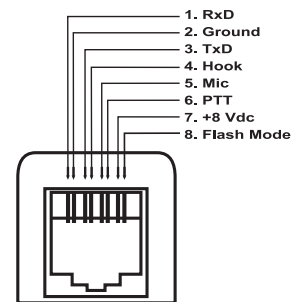


BASE STATION
MICROPHONE (ACC-704)

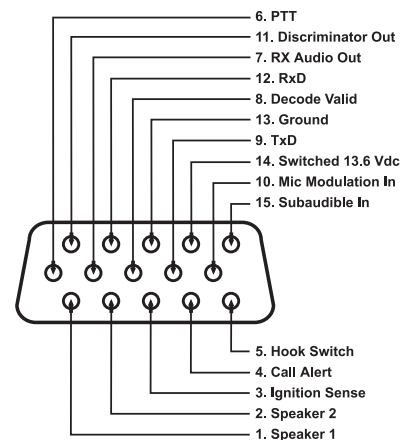
*** OTHER OPTIONS NOT SHOWN ***

PC PROGRAMMING SOFTWARE, WINDOWS®95 OR
LATER ON CD-ROM (ACC-911CD)
PC PROGRAMMING INTERFACE CABLE (ACC-2100)
SERVICE MANUAL (680-100-2017)

8-PIN MIC CONNECTORS



15DB OPTION INTERFACE CONNECTOR



SPEC# OLYMPIAN SERIES MOBILE RADIO, FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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