



# MIDLAND<sup>®</sup>

## 70-440BP PORTABLE RADIO

- 0.5 OR 2 WATTS / 99 CHANNELS
- VOX OPERATION
- CTCSS / DCS PRIVACY TONES
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- BUSY CHANNEL LOCKOUT & CHANNEL SCAN
- MIL-STD 810 C/D/E APPROVED



**ROCK  
SOLID**

MIDLAND RADIO CORPORATION  
5900 PARRETTA DRIVE, NORTH KANSAS CITY, MO 64120 USA  
TEL: 816-241-8500, FAX: 816-241-5713

**Specifications**
**UHF 70-440BP**

Frequency Range	440 - 470 MHz	
Channels	99	
PLL Step	5.0 / 6.25 kHz	
CTCSS / DCS per channel	50 CTCSS / 104 DCS	
Operating Voltage	7.2V DC Nominal	
Dimensions with battery (H x W x D)	5-3/4" x 2-1/2" x 1-13/16"	
Weight with 1300 mAh battery pack & antenna	13 oz.	
Frequency Stability	± 2.5 ppm	
FCC Identifier	MMA75440	
FCC Compliance	Parts 95, 90, 15	
Battery Life (90-5-5 DUTY CYCLE PER EIA RS-316B)	@ Full Power: 12.1 hrs	@ 0.5 Watts: 16.2 hrs
With Battery Saver	@ Full Power: 17.5 hrs	@ 0.5 Watts: 22.2 hrs

**Receiver Specifications**

Sensitivity (12dB S I N A D)	0.30 $\mu$ V	
Selectivity ( $\pm$ 15kHz)	65 dB @ 25 kHz 55 dB @ 12.5 kHz	
Frequency Separation (w/o tuning)	30 MHz	
Intermodulation	-65 dB	
Spurious Response	-60 dB	
Audio Output (Method @ <10% THD Level)	500 mW @ 8 $\Omega$	
Input Impedence	50 $\Omega$	
Acceptable Radio Frequency Displacement	± 2 kHz Minimum	
Squelch Sensitivity	0.28 $\mu$ V Maximum	

**Transmitter Specifications**

RF Output (programmable by channel)	2 / 0.5 Watt(s)	
Spurious and Harmonic Emissions	60 dBc	
Modulation	11K0F3E, 16K0F3E	
FM Hum and Noise	40 dB @ 25 kHz; 36 dB @ 12.5 kHz	
Audio Distortion (60% deviation)	< 5% @ 1kHz	

**MIL-STD Methods / Procedures  
Standard 810C/D/E Method / Procedure**

Vibration	514.5 / Proc. I, IV	
Shock	516.5 / Proc. I, IV	


**6 Station Gang Charger  
(ACC-460) Charger Cup  
Required (ACC-464)**

**Single Unit 'Smart'  
Charger Base (ACC-470)**

**Single Unit Rapid Rate Desktop  
Charger (81-390)  
[Includes Power Supply]**

**Battery Pack 1300 mAh  
NiMH Battery (18-B02)**

**Weatherproof Speaker  
Mic (70-M45WP)**

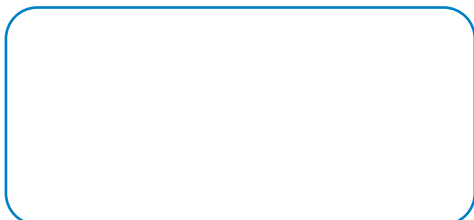
**Speaker Mic w/ Angled  
Connector (QPA-1421)**

**PC Programming Kit:  
Software & Cable  
Windows® 95 or Later (81-100)**

**UHF Antenna 6" Stud  
Mount (CA-5506B) UHF  
Antenna 440-470 MHz  
(ACC-104UW)**
**\*\*\*Other Accessories Not Shown\*\*\***

Single Unit Desktop Charger Base (ACC-480),  
Requires Charger Cup (ACC-476)  
Charger Cup for 18-B02 Battery (ACC-476)  
Spring Loaded Belt Clip (81-BC1)  
70-440BP Service Manual (70-440000)

FOR MORE INFORMATION, CONTACT:



[WWW.MIDLANDRADIO.COM](http://WWW.MIDLANDRADIO.COM)

EMAIL: [MAIL@MIDLANDRADIO.COM](mailto:MAIL@MIDLANDRADIO.COM)