



# MIDLAND<sup>®</sup>

## PL-5000 SERIES PORTABLE RADIO

- 1 OR 5 WATTS /  
16 CHANNELS  
EXPANDABLE TO 32
- VOX OPERATION
- PROGRAMMABLE  
CTCSS / DCS  
PRIVACY TONES
- PROGRAMMABLE  
12.5 / 25 KHZ BY  
CHANNEL
- PROGRAMMABLE TWO-  
TONE DECODE W/  
ALARM
- MIL-STD 810F  
APPROVED



**ROCK  
SOLID**

MIDLAND RADIO CORPORATION  
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Specifications	VHF Model PL-5161	UHF Model PL-5164
Frequency Range	148 - 174 MHz	450SP - 490 MHz
Channels	16 / 32	
Channel Spacing	15 / 25 / 30 / 12.5 kHz	25 / 12.5 kHz
PLL Step	2.5 / 5 / 6.25 / 7.5 kHz	5.0 / 6.25 kHz
Channel Spread	26 MHz	40 MHz
Antenna Impedance	50 Ω	
Operating Voltage	7.2V DC Nominal	
Battery Life with 1200 mAh NiMH battery	9 hours @ 5 watts (90-5-5 DUTY CYCLE PER EIA RS-316B)	
Operating Temperature	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability	± 3.8 ppm	± 2.0 ppm
Dimensions with batteries (H x W x D)	4-7/8" x 2-1/4" x 1-1/4" (125 x 58 x 32 mm)	
Weight with 1200 mAh battery pack & antenna	13.6 oz. (3808 gm.)	
FCC Identifier	07KPL5161	07KPL5164
FCC Compliance	Parts 90, 90.210	
IC Certification Number	3690A-PL5161	3690A-PL5164

### Receiver Specification

Sensitivity (12dB S I N A D)	.25 mV	
Selectivity	>60 dB @ 12.5 kHz; >65 dB @ 25 kHz	
Intermodulation	60 dB @ 12.5 kHz	65 dB @ 25 kHz
Spurious Response	60 dB	
Audio Output (Method @ <10% THD Level)	500 mW @ 8 Ω	

### Transmitter Specifications

RF Output (programmable by channel)	1 or 5 Watts	
Spurious and Harmonic Emissions	60 dB	
Modulation	11K0F3E, 16K0F3E	
FM Hum and Noise	> 40 dB @ 12.5 kHz; > 40 dB @ 25 kHz	
Audio Distortion	< 5%	

### MIL-STD Methods / Procedures Standard 810F Method / Procedure

Rain (Watertightness)	506.4 / Proc. II	
Humidity	507.4 / Proc. I	
Blowing Dust	510.4 / Proc. I	
Vibration	514.5 / Proc. I	
Shock	516.5 / Proc. I	



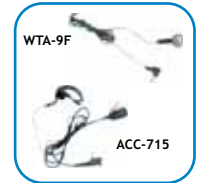
Coil-Cord Earphone, used w/ ACC-727 (QPA-1424)



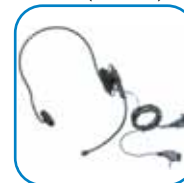
Leather Case w/ Swivel (ACC-304B)



Heavy Duty Speaker w/ Locking Connector & Audio Earphone Jack (ACC-714)



Ear Speaker for use w/ ACC-714 (WTA-9F) & Ear Hook Speaker Mic w/ PTT & Locking Connector (ACC-715)



Ultra-lite headset w/ locking connector (ACC-616v)



Heavy Duty Speaker Mic w/ Audio Earphone Jack (ACC-727)



UHF Antenna 6", 450 - 490 MHz, SMA (ACC-145) & VHF Antenna 6", 148-162 MHz & 162-174 (ACC-115B & ACC-115R)



6 Station Gang Charger (ACC-460) Charger Cup Required (ACC-465)

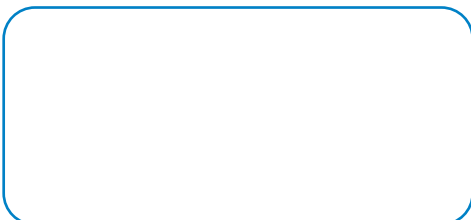


1200 mAh NiMH Battery (ACC-207)



Single Unit Standard Charger Power Supply Included (ACC-480)

FOR MORE INFORMATION, CONTACT:



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

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



\*\*\*Other Options Not Shown\*\*\*

Single Unit Desktop "Smart" Charger Base (ACC-470) & Charger Cup (ACC-474)  
 2-PIN TO 1-PIN Accessory Adapter (ACC-506)  
 Power Supply, used w/ ACC-412, 110V & 220V AC (QPA-1411 & 1412)  
 Wall Type Power Supply, used w/ ACC-410, 110 @ 220V AC (QPA-1413 & 1414)  
 Spring Loaded Belt Clip (550-070-2001)  
 PC Software (Win 95 or later) on CD ROM (ACC-906CD)  
 PC Programming Interface Cable (ACC-2004)  
 PL-5161/PL-5164 Service Manual (680-100-2004)