



MIDLAND[®]

PL-5000 SERIES PORTABLE RADIOS



- 1 OR 5 WATTS, VHF & UHF
- 16 CHANNELS EXPANDABLE TO 32
- PROGRAMMABLE TWO-TONE DECODE WITH AUDIBLE ALARM
- PROGRAMMABLE CTCSS / DCS PRIVACY TONES
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- VOX OPERATION
- EIGHT CHARACTER ALPHANUMERIC DISPLAY WITH SCROLLING FUNCTION
- MIL-STD 810C/D/E/F APPROVED

Specifications	VHF Model PL-5161	UHF Model PL-5164
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Frequency Range	148 - 174 MHz	450 - 490 MHz
Channels	16 / 32	
Channel Spacing (wide/narrow)	30, 25 / 15, 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 (5-5-90 DUTY CYCLE PER EIA RS-316B)	9 Hours @ 5 watts	
Operating Temperature	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability	± 5 PPM	± 2.5 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. (380 gm)	
FCC Identifier	O7KPL5161	O7KPL5164
FCC Compliance	Parts 90, 90.210	
Industry Canada Certification Number	3690A-PL5161	3690A-PL5164

Receiver Specifications

Sensitivity (12 dB SINAD)	.25 μV
Selectivity (wide/narrow)	65 dB / 60 dB
Intermodulation (wide/narrow)	65 dB / 60 dB
Spurious Rejection	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; > 40dB @ 25 kHz
Audio Distortion	< 5%

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

Rain (Watertightness)	506.4 / Proc.II
Humidity	507.4 / Proc.I
Blowing Dust	510.4 / Proc.I
Vibration	514.4 / Proc.I
Shock	516.5 / Proc.I

FOR MORE INFORMATION, CONTACT:

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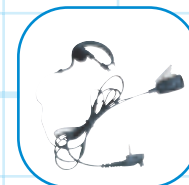
1650 MAH NIMH
BATTERY PACK
(ACC-202)



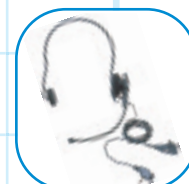
LEATHER CASE W/
SWIVEL (ACC-304B)



SPEAKER W/ LOCKING
CONNECTOR & AUDIO
EARPHONE JACK
(ACC-714)



EAR HOOK SPEAKER
MIC W/ PTT & LOCKING
CONNECTOR (ACC-715)



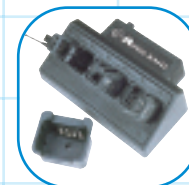
ULTRA-LITE HEADSET W/
LOCKING CONNECTOR ACC-616
OR ACC-616V (w/ VOX)



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
(ACC-115B) & 162-175 MHz
(ACC-115R)



6 STATION GANG
CHARGER (ACC-460)
CHARGER CUP
(ACC-461) REQUIRED



SINGLE UNIT "SMART"
CHARGER BASE (ACC-470)
CHARGER CUP (ACC-471) OR
(ACC-474) REQUIRED

*** OTHER OPTIONS NOT SHOWN ***

2 PIN TO 1 PIN ACCESSORY ADAPTER (ACC-506)
DUAL UNIT "SMART" / STANDARD CHARGER BASE (ACC-490)
SINGLE UNIT DESKTOP STANDARD CHARGER BASE (ACC-480) AND
CHARGER CUP (ACC-471 OR ACC-474)
1650 MAH NICKEL METAL HYDRIDE (NIMH) BATTERY - COMPATIBLE
WITH CERTAIN KENWOOD® & RELM® CHARGERS (ACC-207)
SPRING LOADED BELT CLIP (550-070-2001)
PC SOFTWARE (WIN 95® OR LATER) ON CD ROM (ACC-906CD)
PC PROGRAMMING INTERFACE CABLE (ACC-2004)
SERVICE MANUAL (680-100-2010)

PL-5000 SERIES PORTABLE RADIOS FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.