



MIDLAND[®]

PL-5000 SERIES PORTABLE RADIOS



- 5 WATTS, VHF & UHF
- 32 CHANNELS (16 PER CHANNEL BANK)
- PROGRAMMABLE TWO-TONE DECODE WITH AUDIBLE ALARM
- PROGRAMMABLE CTCSS / DCS CODES
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- VOX OPERATION
- EIGHT CHARACTER ALPHANUMERIC DISPLAY WITH SCROLLING FUNCTION
- MIL-STD 810C/D/E/F APPROVED





PL-5000 SERIES PORTABLE RADIOS

General Specifications

VHF Model
PL-5161

UHF Model
PL-5164

| | | |
|--|---|---------------|
| Frequency Range | 148 - 174 MHz | 450 - 490 MHz |
| Channels | 32 (16 per channel bank) | |
| 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 |

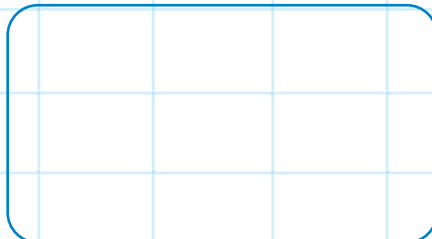
Transmitter Specifications

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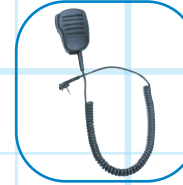
PL-5000 SERIES PORTABLE RADIOS FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



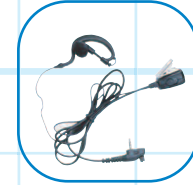
1650 MAH NiMH
BATTERY PACK
(ACC-202)



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/ VDX)



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-460A
(SEPARATE CHARGER
CUPS REQUIRED)



SINGLE UNIT "SMART"
CHARGER BASE (ACC-470)
CHARGER CUP ADAPTER
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 - PORTABLES