



PL-2415 / PL-2445 PORTABLE RADIO

- 2 WATT / 4 CHANNEL VHF / UHF PORTABLE RADIO
- PROGRAMMABLE CTCSS / DCS PRIVACY TONES
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- PROGRAMMABLE TWO-TONE DECODER
- MIL-STD 810F APPROVED



**ROCK
SOLID**

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



Specifications	VHF Model PL-2415	UHF Model PL-2445
Frequency Range	148 - 174 MHz	450 - 490 MHz
Channels	4	
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	7.2 V Nominal	
Battery Life with 1200 mAh NiMH battery	17 hours @ 2 watts (90-5-5 DUTY CYCLE PER EIA RS-316B)	
Operating Temperature	-22°F to +140°F -30°C to +60°C	
Frequency Stability	± 5.0 ppm	
Dimensions with batteries (H x W x D)	4-7/8" x 2-1/4" x 1-1/4"	
Weight with 1650 mAh battery pack & antenna	13.6 oz.	
FCC Identifier	07KPL150	07KPL450P
FCC Compliance	Parts 22, 74, 80, 90	Parts 22, 74, 90, 95
IC Certification Number	3772196843A	3772104407A

Receiver Specifications

Sensitivity (12dB S I N A D)	.25 mV @ 12.5 kHz	.28 mV @ 25 kHz
Selectivity	>60 dB @ 12.5 kHz	>65 dB @ 25 kHz
Intermodulation	60 dB	65 dB
Spurious Response	60 dB	
Audio Output (Method @ <10% THD Level)	500 mW @ 8 Ω	

Transmitter Specifications

RF Output (programmable by channel)	2 Watts	
Spurious and Harmonic Emissions	60 dB	
Modulation	11K0F3E, 16K0F3E	
FM Hum and Noise	> 34 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, IV
Shock	516.5 / Proc. I, IV



Leather Case w/ Belt Clip
(ACC-302)



Nylon Case w/o Belt Clip
(ACC-303)



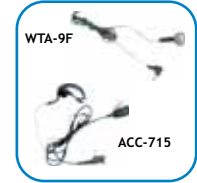
Coil-Cord Earphone, used
w/ ACC-727 (QPA-1424)



Leather Case w/ Swivel
(ACC-304A)



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-616)



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

EMAIL: MAIL@MIDLANDRADIO.COM



Other Options Not Shown

2 pin to 1 pin Accessory Adapter (ACC-506)

Single Unit Desktop "Smart" Charger Base (ACC-470) & Charger Cup (ACC-474)

Power Supply, 110V & 220V AC, used w/ ACC-412 (QPA-1411/1412)

Wall Type Power Supply, 110V & 220V AC, used w/ ACC-410 (QPA-1413/1414)

Spring Loaded Belt Clip (550-070-2001)

PC Software (Win 95 or later) on CD-ROM (ACC-905CD)

PC Programming Interface Cable (ACC-2004)

PL-2415/PL-2445 Service Manual (680-100-2009)