

LEGACY

ProLine PL5161 / PL5164

VHF/UHF scanning portables

Loud and Clear

These function-rich radios are approved to military standards for durability, ensuring good performance in hardworking environments like building sites, warehouses and factories.

Enhanced audio keeps your messages heard "loud and clear" by those you communicate with during your business day.

Choice of models: PL5161 (VHF) or PL5164 (UHF)

16 Channels of operation
Expandable up to 32 channels

1 or 5 Watts output power
Provides dependable communication in multi-level buildings or on large job sites

8-Character alphanumeric display
Shows channel and radio status information at a glance

Programmable 2-tone decode with alarm
Programmable per-channel for individual tone, group tone, and super group tones; alarm sounds when tones are decoded

Privacy tones
38 Standard, 11 non-standard CTCSS tones and 104 DCS tones keep your conversations private and prevent unwanted calls

Other programmable functions
Channel scan, channel spacing, TX inhibit, time-out-timer, battery save and other radio functions are easily programmed



The PL5161 & PL5164 radios come complete with antenna, belt clip, battery and charger

ProLine PL5161 / PL5164



specifications

general	VHF model PL5161	UHF model PL5164
Frequency Range	148-174 MHz	450-490 MHz
Channels	Up to 32	Up to 32
Channel Spacing	25 / 30 / 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	50 Ω
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal
Battery Life (with 750 mAh NiMH battery)	8+ Hours @ 5 W (90-5-5 duty cycle)	
(with optional 1350 mAh NiMH battery)	10+ Hours @ 5 W (90-5-5 duty cycle)	
Operating Temperature	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability (-30° C to +60° C)	± 3.8 ppm	± 2.0 ppm
Dimensions (H x W x D) (with battery)	4-7/8" x 2-1/4" x 1-1/4" (125 x 58 x 32 mm)	
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)	
FCC Identifier	O7KPL5161	O7KPL5164
FCC Compliance	Parts 22, 74, 80, 90	Parts 22, 74, 90, 95
Canada Certification Number	3772A-PL5161	3772A-PL5164

features / functions

- 16 Channels of operation (Expandable up to 32 channels)
- 8-Character alphanumeric display
- 1 or 5 Watts output power
- VOX operation
- Multiple scan modes
- Two-tone decode with alarm
- Approved to MIL-STD810F specifications
- Scan channel delete
- Busy channel lockout
- Programmable CTCSS / DCS tones
- 38 Standard, 11 non-standard CTCSS tones and 104 DCS tones
- Wide / narrow channel spacing
- TX Inhibit
- Die-cast aluminum frame, polycarbonate cabinet
- Locking accessory connector
- Battery save circuitry
- Spring belt clip
- Tri-color status LED indicator
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A. and its possessions;
Industry Canada Approved for sale / use in Canada



MIL-STD methods / procedures

The ProLine PL5161 and PL5164 are approved to the following:

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

receiver (measurement procedures made per ANSI/TIA/EIA-603)

Sensitivity	12 dB SINAD	.25 μV @ 12.5 kHz; .25 μV @ 25 kHz
Selectivity		>60 dB @ 12.5 kHz; >65 dB @ 25 kHz
Intermodulation		60 dB @ 12.5 kHz; 65 dB @ 25 kHz
Spurious Response		60 dB 60 dB
Audio Output		500 mW (Int.) @ 8 Ω; 500 mW (Ext.) @ 8 Ω (Method @ <10% THD level)

transmitter (measurement procedures made per ANSI/TIA/EIA-603)

RF Output	1 or 5 Watts	1 or 5 Watts
Spurious and Harmonic Emissions	60 dB	60 dB
Modulation	16KOF3E, 11KOF3E	
FM Hum and Noise	>40 dB @ 12.5 kHz;	>40 dB @ 25 kHz
Audio Distortion	<5%	<5%

Specifications are subject to change without notice.

accessories / options

Batteries: 750 mAh NiMH Battery pack (ACC-201); 1350 mAh NiMH Battery pack (ACC-202)

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

Chargers: Single unit desktop "slow" charger (ACC-410); Single unit desktop "fast" charger (ACC-412); 6-Station gang charger with ACC-410 chargers (ACC-441); 6-Station gang charger with ACC-412 chargers (ACC-442)

Audio: Ultra-lite headset with locking connector (ACC-616); Ear bud speaker with in-line P-T-T, microphone and locking connector (ACC-706); Lapel speaker microphone with ear jack, locking connector (ACC-726); Heavy Duty speaker microphone with audio earphone jack (ACC-727); Coil-cord earphone, used with ACC-727, (QPA-1424); Ear speaker, for use with ACC-726 Lapel speaker microphone (WTA-9F)

Carrying: Leather case with swivel (ACC-304)

Adaptor: 2-Pin to 1-pin accessory adaptor (ACC-506)

For more information, contact:

800-822-2180



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