

LEGACY

ProLine PL5161 / PL5164

VHF/UHF scanning portables

Trusted Communication Tools

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

The ProLine PL5000 Series radios have multi-channel operation, an easy-read alphanumeric LCD and programmable 1 or 5 Watt output power.

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

16 Channels of operation (up to 32 channels with special programming)

1 or 5 Watts output power

Provides dependable communication in multi-level buildings or on large jobsites

8-Character alphanumeric display

Gives caller and radio status information at a glance

Programmable 2-tone decode with alarm

Ideal for use by rural Public Safety personnel

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 and other radio functions are user programmable



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

ProLine PL5161 / PL5164



specifications

general	VHF model	UHF model	receiver (measurement procedures made per ANSI/TIA / EIA - 603)	
	PL5161	PL5164		
Frequency Range	148-174 MHz	450-490 MHz	Sensitivity	12 dB SINAD
Channels	Up to 32	Up to 32		.25 μ V @ 12.5 kHz;
Channel Spacing	25 / 30 / 15 / 12.5 kHz	25 / 12.5 kHz		.28 μ V @ 25 kHz
PLL Step	2.5 / 5 / 6.25 / 7.5 kHz	5.0 / 6.25 kHz	Selectivity	>60 dB @ 12.5 kHz;
Channel Spread	26 MHz	40 MHz		>65 dB @ 25 kHz
Antenna Impedance	50 Ω	50 Ω	Intermodulation	60 dB @ 12.5 kHz; 65 dB @ 25 kHz
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal	Spurious Response	60 dB
Battery Life (with 750 mAh NiMH battery)	8+ Hours @ 5 W (90-5-5 duty cycle)		Audio Output	500 mW (Int.) @ 8 Ω ; 500 mW (Ext.) @ 8 Ω (Method @ <10% THD level)
(with optional 1350 mAh NiMH battery)	10+ Hours @ 5 W (90-5-5 duty cycle)		transmitter (measurement procedures made per ANSI/TIA / EIA - 603)	
Operating Temperature	-22° F to +140° F (-30° C to +60° C)		RF Output	1 or 5 Watts
Frequency Stability (-30° C to +60° C)	\pm 5.0 ppm	\pm 5.0 ppm	Spurious and Harmonic Emissions	60 dB
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)		Modulation	16K0F3E, 11K0F3E
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)		FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz
FCC Identifier	pending	pending	Audio Distortion	<5%
FCC Compliance	Parts 22, 74, 80, 90	Parts 22, 74, 90, 95	Specifications are subject to change without notice.	
Canada Certification Number	pending	pending		

features / functions

- 16 Channels of operation (Up to 32 channels with special programming)
- 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 steel belt clip
- Tri-color status LED indicator
- Manufactured under ISO 9002 quality standards
- All sales subject to FCC approval



MIL-STD methods / procedures

The ProLine PL5161 and PL5164 meet 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, IV

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 (ACC-302); Leather case with swivel (ACC-304); Nylon case (ACC-303)
- Adaptor:** 2-Pin to 1-pin accessory adaptor (ACC-506)

For more information, contact:

Advantage Communications
PO Box 282 Watertown, Ma 02471-0282
800-851-7234



Supplier of Maxon®, Legacy and TruTalk products

10828 NW Air World Drive
Kansas City, Missouri 64153
800-821-7848, Ext. 699 • Fax: 816/891-8815
www.topaz3.com

P/N: 680-120-2058