ProLine PL5161 / PL5164
VHF/UHF scanning portables

Versatile, Durable, Compact

The Legacy ProLine Series combines a "soft tech" look and feel with rugged durability and versatile performance.

Both the PL5161 (VHF) and PL5164 (UHF) portables have 16 channel operation, PC programmable software options (including time-out-timer and scan) and a rugged die-cast aluminum / polycarbonate cabinet to take on a World full of tough challenges.

Choice of 1 or 5 Watt / 16 channel VHF or UHF models
Choose the radio that's right for your needs from the PL5161 (VHF) or the PL5164 (UHF)

Programmable channel scan
Keep up-to-date with conversations on all programmed channels

Privacy tones
User programmable privacy tones , 38 Standard, 11 non-standard CTCSS tones and 104 DCS tones prevent your radio from receiving unwanted calls; programmable 2-tone decode is ideal for use by rural Public Safety personnel

Designed to MIL-STD810F Specifications
Allows reliable use in rugged conditions like light rain, humidity, dust, vibration and shock

Locking accessory connector
Keeps your radio accessories securely attached during demanding use

BACK

ProLine PL5161 / PL5164

specifications	VHF model PL5161	UHF model PL5164
Frequency Range	148-174 MHz	450-490 MHz
Channels	16	16
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 Separation	26 MHz	40 MHz
Antenna Impedance	50 Ω	50 Ω
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal
Battery Life (with 1350 mAh NiMH battery)	10 Hours @ 5 W (90-5-5 duty cycle)	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	± 5.0 ppm	± 5.0 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 1350 mAh NiMH battery and antenna)	13.6 oz. (380 gm)	
FCC Identifier	Pending	Pending
FCC Compliance	Parts 90	Parts 90
IC Certification Number	pending	pending

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

Sensitivity 12 dB SINAD	.25 µV @12.5 kHz; .28 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 µW (Int.) @ 8 Ω; 500 µW (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	16K0F3E, 11K0F3E	
FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz	
Audio Distortion	<5%	<5%

Specifications are subject to change without notice.

features / functions

- 8 charter Alphanumeric display

16 Channel, 1 or 5 Watt VHF model PL5161; UHF model PL5164

- Programmable wide or narrow channel spacing
- Meets MIL-STD810F specifications
- 38 Standard, 11 non-standard CTCSS tones; 104 DCS tones
- Programmable two-tone decode
- Programmable scan
- Locking single-pin accessory connector
- TX Inhibit
- Time-out-timer
- Battery save circuitry
- Die-cast aluminum frame, polycarbonate cabinet
- Tri-color LED
- Spring steel belt clip for VHF model ONLY - p/n 560-100-0017,
- Plastic belt clip for UHF model ONLY - p/n 550-070-2001
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A. and its possessions

MIL-STD methods / procedures

The ProLine PL5161 and PL5164 meet the following:

Standard	**810F Method / Procedure**
Light Rain	506.4 / Proc. II
Humidity	507.4 / Proc. I
Dust	510.4 / Proc. I
Vibration	514.4 / Proc. I
Shock	516.4 / Proc. I, IV

accessories / options

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

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

Chargers: Single unit desktop "slow" charger (ACC-410); Single unit desktop "fast" charger (ACC-412)

Audio:
(ACC-706); Lapel speaker microphone with ear jack, locking connector

Carrying: Leather case w/swivel (ACC-304)