

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<br>PL5161                            | UHF model<br>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 $\Omega$                                    | 50 $\Omega$                           |
| Operating Voltage                                  | 7.2V DC Nominal                                | 7.2V DC Nominal                       |
| Battery Life (with 1350 mAh<br>NiMH battery)       | 10 Hours @ 5 W<br>(90-5-5 duty cycle)          | 10 Hours @ 5 W<br>(90-5-5 duty cycle) |
| Operating Temperature                              | 22° F to +140° F (-30° C to +60° C)            |                                       |
| Frequency Stability<br>(-30° C to +60° C)          | ± 5.0 ppm                                      | ± 5.0 ppm                             |
| Dimensions (H x W x D)<br>(with battery)           | 4-7/8" x 2-1/4" x 1-1/4"<br>(125 x 58 x 32 mm) |                                       |
| Weight (with 1350 mAh<br>NiMH battery and antenna) | 13.6 oz. (380 gm)                              |                                       |
| FCC Identifier                                     | Pending                                        | Pending                               |
| FCC Compliance                                     | Parts 22, 74, 80, 90                           | Parts 22, 74, 90, 95                  |
| IC Certification Number                            | pending                                        | pending                               |

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

|                   |                                  |       |
|-------------------|----------------------------------|-------|
| Sensitivity       |                                  |       |
| 12 dB SINAD       | .25 $\mu$ V @12.5 kHz;           |       |
|                   | .28 $\mu$ V @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  $\mu$ W (Int.) @ 8  $\Omega$ ;  
                                      500  $\mu$ W (Ext.) @ 8  $\Omega$   
                                      (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<br>Harmonic Emissions | 60 dB                                 | 60 dB        |
| Modulation                         | 16K0F3E, 11K0F3E                      |              |
| FM Hum and Noise                   | >34 dB @ 12.5 kHz;<br>>40 dB @ 25 kHz |              |
| Audio Distortion                   | <5%                                   | <5%          |

Specifications are subject to change without notice.

features / functions

- 8 character 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
- 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:

|                 |                                |
|-----------------|--------------------------------|
| <b>Standard</b> | <b>810F Method / Procedure</b> |
| 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)

