

PRO SERIES

UNIDEN PROFESSIONAL SERIES

40 CHANNEL CB RADIOS

PRO 538W

- 40 CHANNEL OPERATION
- INSTANT CH. 9
- 3 INSTANT WEATHER CHANNELS
- RF GAIN CONTROL
- S/RF METER
- SQUELCH CONTROL
- TX/RX INDICATORS
- PA SWITCH
- CHANNEL INDICATOR



- 40 CHANNEL OPERATION
- RF GAIN CONTROL
- CHANNEL 9
- CHANNEL DISPLAY
- S/RF METER
- SQUELCH CONTROL
- PA SWITCH
- TX LED
- ANL SWITCH

PRO 520XL



- 40 CHANNEL OPERATION
- CHANNEL DISPLAY
- SQUELCH CONTROL
- S/RF METER
- TX LED
- ANL SWITCH

PRO 510XL



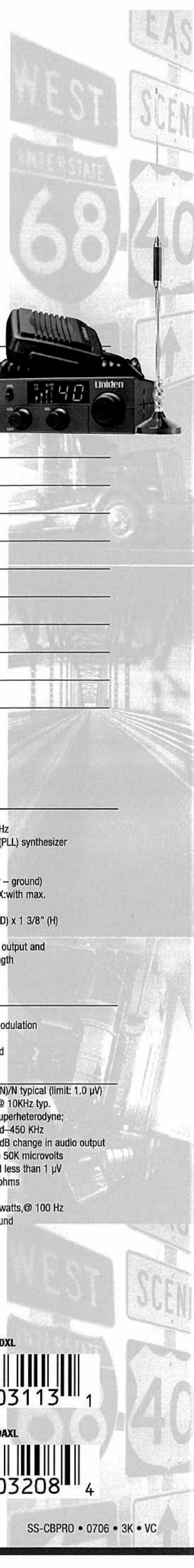
UNIDEN PRO SERIES MOBILE CB RADIOS have been the professional's choice since the very beginning. Our Professional Series carries on that tradition with the latest innovations in two-way communication. Uniden gives you the clearest reception, strongest transmissions and greatest range. Offering unmatched power and rugged construction. It's Tough, It's Powerful. IT'S EVERYTHING YOU'D EXPECT FROM UNIDEN.

Uniden®



BEARCAT PROFESSIONAL SERIES

40 CHANNEL CB RADIOS



| FEATURES* | PRO 538W | PRO 520XL | PRO 510XL | PRO 510AXL |
|----------------------------|----------|-----------|-----------|------------|
| 40 Channel Operation | • | • | • | • |
| Squelch Control | • | • | • | • |
| 3 Instant Weather Channels | • | | | |
| Instant Channel 9 | • | • | | |
| S/RF Meter | • | • | • | • |
| TX/RX Indicators | TX/RX | TX | TX | TX |
| Channel Display | • | • | • | • |
| Channel Selector | • | • | • | • |
| RF Gain Control | • | • | | |
| PA Switch | • | • | | |
| ANL Switch | | • | • | • |
| Volume Control | • | • | • | • |
| Mounting Hardware | • | • | • | • |
| Magnetic Mount Antenna | | | | • |

| SPECIFICATIONS | PRO 538W | PRO 520XL | PRO 510XL | PRO 510AXL |
|-------------------------|--|--|--|--|
| GENERAL: | | | | |
| Channels | 40 AM | 40 AM | 40 AM | 40 AM |
| Frequency Range | 26.965 to 27.405 MHz | 26.965 to 27.405 MHz | 26.965 to 27.405 MHz | 26.965 to 27.405 MHz |
| Frequency Control | Phase Locked Loop (PLL) synthesizer | Phase Locked Loop (PLL) synthesizer | Phase Locked Loop (PLL) synthesizer | Phase Locked Loop (PLL) synthesizer |
| Frequency Tolerance | ± 0.002% | ± 0.005% | ± 0.005% | ± 0.005% |
| Microphone | Electret condenser type | Metal type-Electret | Metal type-Electret | Metal type-Electret |
| Input Voltage | 13.8 VDC nom. | 13.8 VDC nom. (+ or - ground) | 13.8 VDC nom. (+ or - ground) | 13.8 VDC nom. (+ or - ground) |
| Current Drain Transmit: | TX:80 mod., 1.7A; RX:with max. audio output,1.4A | TX:80 mod., 1.7A; RX:with max. audio output,1.7A | TX-full mod 1.7A; RX:with max. audio output,1.4A | TX-full mod 1.7A; RX:with max. audio output,1.4A |
| Size | 6 3/4" (W) x 8 1/4" (D) x 2" (H) | 4 1/2" (W) x 6 3/4" (D) x 1 3/8" (H) | 4 1/2" (W) x 6 3/4" (D) x 1 3/8" (H) | 4 1/2" (W) x 6 3/4" (D) x 1 3/8" (H) |
| Weight | 1 lb. 14 oz. | 1 lb. 10 oz. | 1 lb. 9 oz. | 1 lb. 9 oz. |
| LED Meter | Indicates relative RF output and received signal strength | Indicates relative RF output and received signal strength | Indicates relative RF output and received signal strength | Indicates relative RF output and received signal strength |
| Operating Temperature | -30° C to +50° C | -30° C to +50° C | -20° C to +50° C | -20° C to +50° C |
| TRANSMITTER: | | | | |
| Power Output | 4 watts | 4 watts | 4 watts | 4 watts |
| Modulation | Class B amplitude modulation | Class B amplitude modulation | Class B amplitude modulation | Class B amplitude modulation |
| Frequency Response | 300-2500 Hz | 300-2500 Hz | 300-2500 Hz | 300-2500 Hz |
| Output Impedance | 50 ohms, unbalanced | 50 ohms, unbalanced | 50 ohms, unbalanced | 50 ohms, unbalanced |
| RECEIVER: | | | | |
| Sensitivity | 0.5 µV for 10db: (S+N)/N typical (limit: 1.0 µV) | 0.5 µV for 10db: (S+N)/N typical (limit: 1.0 µV) | 0.5 µV for 10db: (S+N)/N typical (limit: 1.0 µV) | 0.5 µV for 10db: (S+N)/N typical (limit: 1.0 µV) |
| Selectivity | 6db @ 7KHz, 70db @ 10KHz typ. | 6db @ 7KHz, 70db @ 10KHz typ. | 6db @ 7KHz, 70db @ 10KHz typ. | 6db @ 7KHz, 70db @ 10KHz typ. |
| I.F. Frequency | Double conversion superheterodyne; 1st-10.692 MHz, 2nd-450 KHz | Double conversion superheterodyne; 1st-10.692 MHz, 2nd-450 KHz | Double conversion superheterodyne; 1st-10.692 MHz, 2nd-450 KHz | Double conversion superheterodyne; 1st-10.692 MHz, 2nd-450 KHz |
| Automatic Gain Control | (AGC): Less than 10 dB change in audio output for inputs from 10 to 50K microvolts | (AGC): Less than 10 dB change in audio output for inputs from 10 to 50K microvolts | (AGC): Less than 10 dB change in audio output for inputs from 10 to 50K microvolts | (AGC): Less than 10 dB change in audio output for inputs from 10 to 50K microvolts |
| Squelch | Adjustable; threshold less than 1 µV | Adjustable; threshold less than 1 µV | Adjustable; threshold less than 1 µV | Adjustable; threshold less than 1 µV |
| Audio Output Power | 7 watts max. into 8 ohms | 7 watts max. into 8 ohms | 7 watts max. into 8 ohms | 7 watts max. into 8 ohms |
| Frequency Response | 300 to 2000 Hz | 300 to 2000 Hz | 300 to 2000 Hz | 300 to 2000 Hz |
| Distortion | Less than 10% at 4 watts,@ 100 Hz | Less than 10% at 4 watts,@ 100 Hz | Less than 10% at 4 watts,@ 100 Hz | Less than 10% at 4 watts,@ 100 Hz |
| Internal Speaker | 8 ohms, 3.5 watts max. | 8 ohms, 3.5 watts max. | 16 ohms, 3 watts round | 16 ohms, 3 watts round |
| External Speaker | (not supplied) 8 ohms | (not supplied) 8 ohms | | |
| PA System | 7 watts into external 8 ohm speaker | 7 watts into external 8 ohm speaker | | |
| Antenna connector | UHF, SO-239 | UHF, SO-239 | UHF, SO-239 | UHF, SO-239 |



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 *Features and specifications are subject to change without further notice.

