

# uniden®



## **PRO 500<sub>D</sub>** Professional Mobile CB radio

# Introduction

Welcome to the world of sophisticated, state-of-the-art CB radio communications. Your Uniden PRO 500D represents the most advanced mobile radio ever designed for use in the Citizens Band Radio Service. It will operate on any of the 40 AM frequencies authorized by the Department of Communications. Your PRO 500D features a superheterodyne circuit with PHASE LOCKED LOOP techniques to assure precise frequency control. This radio has been type accepted and certified by the DOC.

## Warning

Before transmitting with your transceiver, you must obtain a Department of Communications (D.O.C.) Citizens Radio Licence. Obtain an application form, from the D.O.C. Before completing the form you should read the conditions governing the licensing and operation of the C.R.S. (D.O.C. brochure RB 14). This brochure also can be obtained from the D.O.C. After completing the application form, mail it with the appropriate fee to the Superintendent Regulatory of Licensing in the State or territory in which the station will be operated.

## Connecting the Power Cords

With regard to the connection of the power cords, it may be possible or desirable to connect the red lead (for negative ground systems) or the black lead (for positive ground systems) to the ignition switch accessory terminal so that the radio is automatically turned off when the ignition switch (key) is turned off.

Alternately, the power lead may be connected to an available terminal on the fuse block or even to a point in the wiring harness. Care must be taken, however, to guard against a short circuit condition. When in doubt, please contact your vehicle dealer for specific information about your vehicle.

# Controls and Functions

- 1. Built-in ANL Circuitry** — Help reduce harsh background noise caused by a variety of interference sources.
- 2. TX LED** — An LED lights to indicate when the radio is transmitting.
- 3. Microphone** — The operational mode of the CB is controlled by the push-to-talk switch on the mic. Press the switch to activate the transmitter and disable the receiver. Release the switch to enable the receiver and disable the transmitter. When transmitting, hold the mic about 2 inches from your mouth and speak clearly in a normal voice. The mic included with the PRO 500D is a detachable electret type.
- 4. S/RF METER** — This LED meter shows the relative strength of the received signal or the RF output.
- 5. Channel Indicator** — Displays the channel currently in use.
- 6. Channel Selector** — This switch selects the desired channel for transmission and reception. All channels, except channel 9, may be used for communications between stations operating under different license. Channel 9 has been reserved by the D.O.C. for emergency communications involving the immediate safety of individuals or the immediate protection of property. Channel 9 also may be used to render assistance to a motorist. This is a D.O.C. rule and applies to all operators of CB radios.

**7. SQUELCH** — The Squelch control is used to eliminate background noise during the absence of a transmission. Turn the control fully counter clockwise, then slowly rotate it back, clockwise until all noise disappears. At this setting any transmission must be slightly stronger than the background noise to "Break Squelch" or to be heard. Further clockwise rotation will increase the threshold at which a signal will be heard. You can select any level to "Break Squelch"

**8. Volume Control** — Rotate clockwise to turn radio on and to increase volume.

**Antenna Connector** — This female connector permits connection of the transmission line cable male connector (PL-259) to the transceiver.



