



uniden®

PRO340XL Citizens Band Radio

Australian Edition

OPERATING GUIDE

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Features, Specifications and availability of Optional Accessories are all subject to change without notice.

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Introduction

Welcome to the world of CB radio communication. Your Uniden **PRO340XL** represents the most advanced portable radio ever designed for use in the Citizens Band Radio Service. This powerful unit operates on any of the 40 AM frequencies authorized by the Spectrum Management Agency (SMA).

Among its many features, the **PRO340XL** includes:

- *Superheterodyne circuitry* to enhance receiver quality.
- *Phase Locked Loop Synthesizer* techniques to assure precise frequency control.
- Flexible operation that allows you to power the radio with 8 AA alkaline batteries, 10 rechargeable AA nickel-cadmium batteries (batteries not included), or from your vehicle battery.
- Connection for an optional nickel-cadmium battery charger.

This radio has been type accepted and fully certified by the SMA.

WARNING

The Citizens Band Radio Communication Service (CBRS) is under the jurisdiction of the Australian Spectrum Management Agency (SMA). Any adjustment or alteration which will change the performance of the transceiver's original SMA type acceptance is **STRICTLY PROHIBITED**. Replacement or Substitution of power or frequency determining components e.g. Crystals, Transistors, IC's, Diodes, or any part of a unique nature, with parts other than those recommended by Uniden may cause violation to the SMA type acceptance technical requirement.

Licensing Requirements

Before using your transceiver, you must obtain a Citizens Band Radio License from the Spectrum Management Agency (SMA). Application forms and brochures relating to CBRS are available at your nearest SMA office. Mail the completed application form and the appropriate fee to the Communications Manager of SMA, in the State or Territory in which the station will be operated.

Unpacking Your CB Radio

Carefully unpack your **PRO340XL** and check the contents against this list:

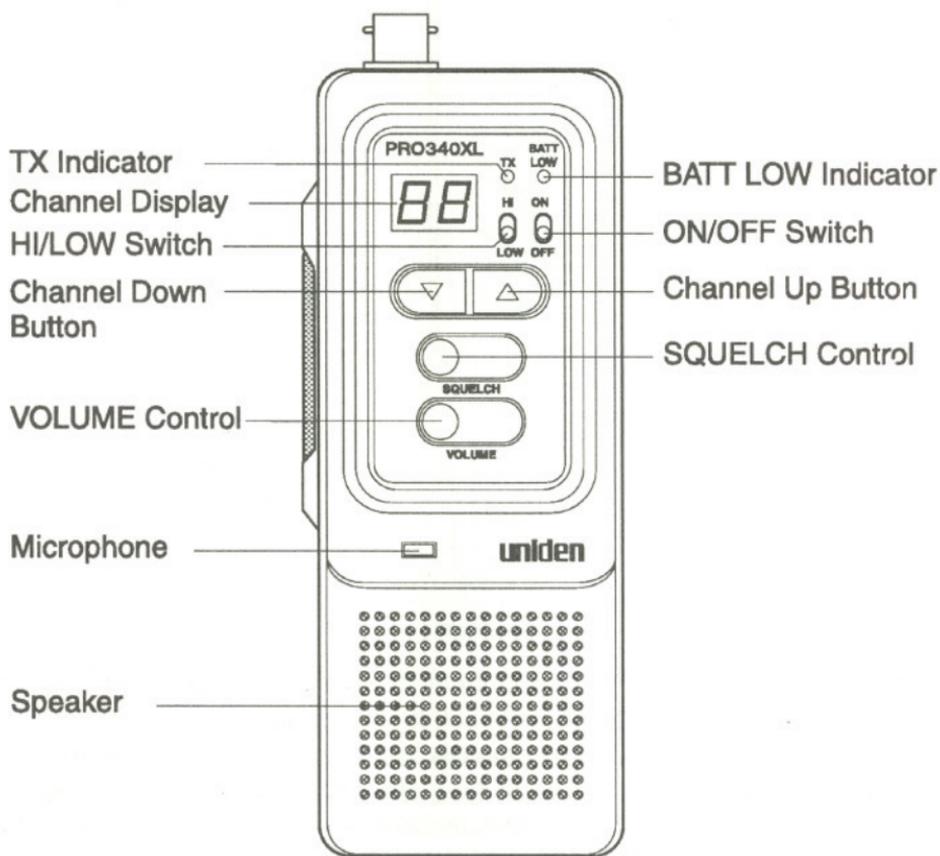
- **PRO340XL** Portable CB Radio
- 2 Battery Spacers (For use with alkaline batteries)
- Cigarette Lighter Power Cord
- Flexible Antenna
- Belt Clip (Attached to radio)
- This Operating Guide (Read it carefully and save)

If any items are missing or damaged, contact your place of purchase immediately.

WARNING

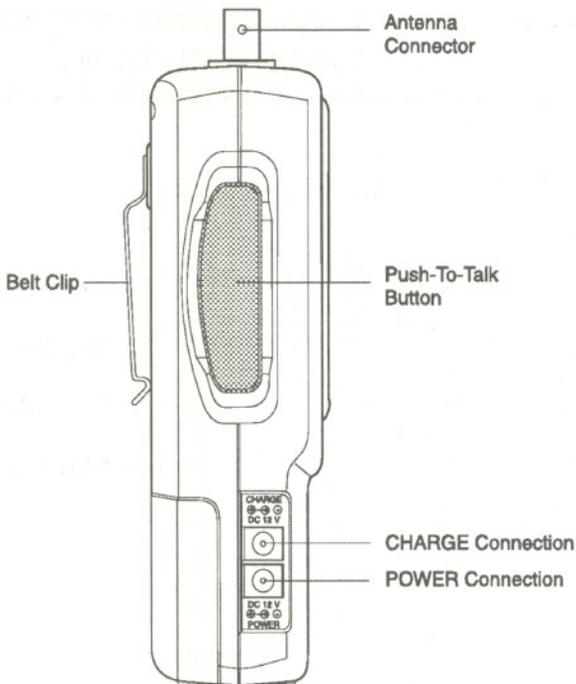
Do not attempt to charge alkaline batteries in this radio. Make sure you have installed 10 rechargeable nickel-cadmium batteries before connecting power to the charge connection.

Controls And Functions



Front View

- | | |
|-------------------------|--|
| TX Indicator | — LED lights to indicate when the radio is transmitting. |
| BATT LOW LED | — Lights when the batteries become weak and need to be replaced. |
| Channel Display | — A large LED display shows the current channel in use. |
| HI/LOW Switch | — Changes transmitter power from low to high. |
| ON/OFF Switch | — Turns the radio on and off. |
| Channel Selector | — Selects any of the 40 CB channels. |
| SQUELCH Control | — Adjusts the squelch level. |
| VOLUME Control | — Adjusts the volume level. |
| Microphone | — Transforms speech into transmission signals. |
| Speaker | — Produces audible signals from incoming transmissions. |

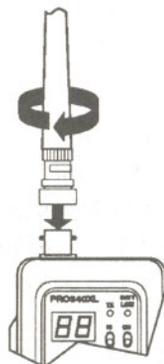


Side View

- Antenna Connector** — Provides a connection for the supplied flexible antenna.
- Belt Clip** — Connects to belt for portability.
- Push-to-Talk Button** — Switches the CB from receive to transmit mode.
- CHARGE Connection** — Connection for a 12V DC power source to charge nickel-cadmium batteries while installed in the radio.
- POWER Connection** — Connection for a 12V DC external power source.

Connecting the Antenna

1. Align the two keys on the **PRO340XL** antenna connector with the key slots in the base of the flexible antenna.
2. Push the base of the flexible antenna down onto the antenna connector.
3. Twist the base clockwise to lock the antenna in place.



Power

The PRO340XL is designed to operate with maximum 12 volt DC power. Power can be supplied through 10 AA, 1.2 volt, rechargeable nickel-cadmium batteries; 8 AA, 1.5 volt alkaline batteries; or through the supplied cigarette lighter power cord when connected to a vehicle's 12 volt negative ground power system.

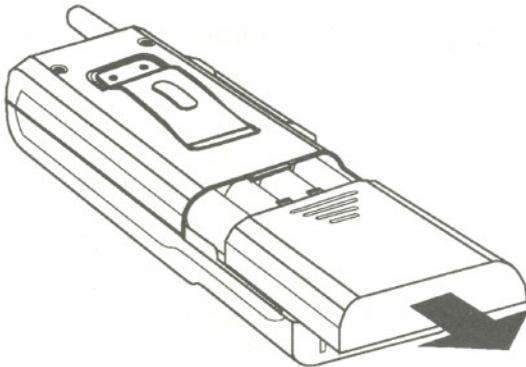
Installing Batteries

WARNING: Do not mix alkaline batteries with nickel-cadmium batteries.

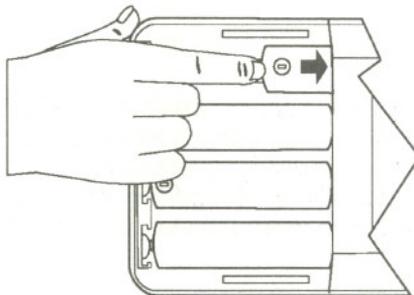
Alkaline Batteries

Note: To insure circuit continuity, use the two battery spacers supplied.

1. Slide the cover off the back of the PRO340XL.

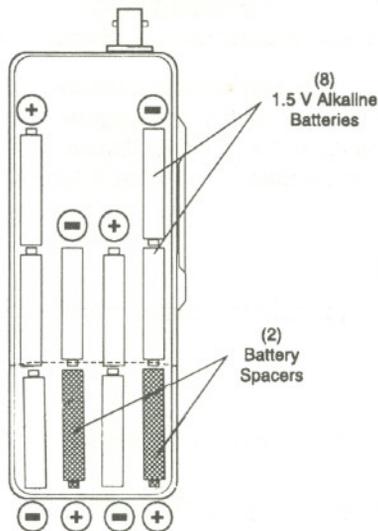


2. Insert 8 alkaline batteries into the battery compartment as shown.

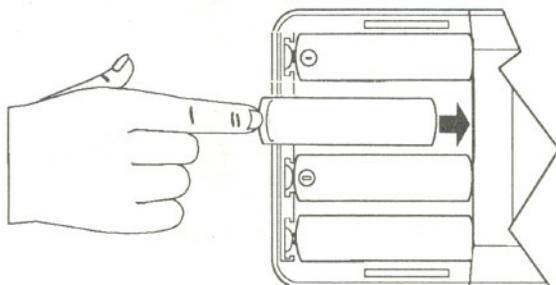


Note: Be sure to insert each battery with the proper polarity, as marked in the battery compartment.

Follow this diagram for correct alkaline battery placement.



3. Insert the battery spacers in the positions shown so they can be easily removed.

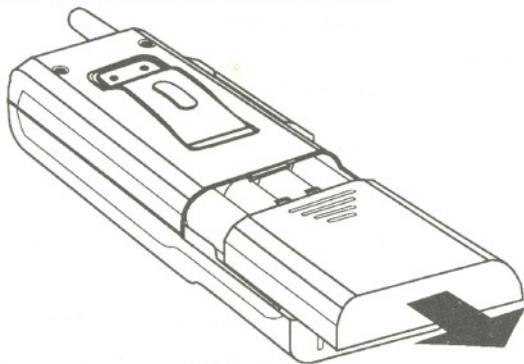


4. Replace the cover.

Note: When the batteries become weak, the BATT LOW LED will light. Be sure to replace the batteries as soon as possible. You can preserve battery power by selecting the "LOW" position on the HI/LOW switch. The "LOW" setting has a substantially shorter transmission range. (See the Operation section.)

Nickel-Cadmium Batteries.

1. Slide the cover off the back of the PRO340XL.

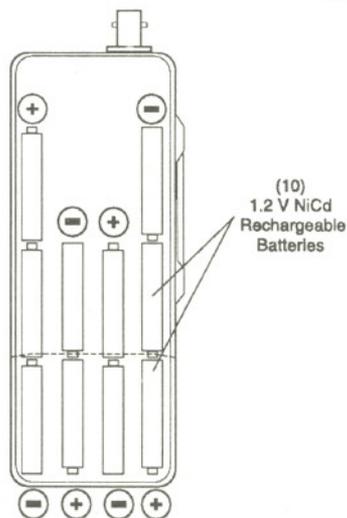


2. Insert 10 nickel cadmium batteries in the compartment.

Note: Be sure to insert each battery with the proper polarity, as marked in the battery compartment.

Note: The battery spacers are NOT used when installing nickel-cadmium batteries.

Follow this diagram for correct nickel-cadmium battery placement.



Nickel-cadmium battery placement

3. Replace the cover.

Note: When the batteries become weak, the BATT LOW LED will light. Be sure to replace the batteries as soon as possible. You can preserve battery power by selecting the "LOW" position on the HI/LOW switch. The "LOW" setting has a substantially shorter transmission range. (See the Operation section.)

Connecting the Cigarette Lighter Power Cord

Using the Cigarette Lighter Power Cord whenever you are operating the PRO340XL in a vehicle saves the radio's internal battery life.

IMPORTANT: *The Cigarette Lighter Power Cord is designed to be used **ONLY** with **negative** ground vehicles. **Do not** attempt to operate the unit with the power cord connected to a positive ground vehicle.*

To connect the Cigarette Lighter Power Cord:

1. Connect the power cord to the **POWER** connection on the side of the radio.
2. Plug the power cord into the cigarette lighter of your vehicle.

Note: *Power is disconnected from the radio's battery compartment when using the cigarette lighter power cord.*

Operation

Before operating the PR0340XL:

1. Be sure that the power source and antenna are properly connected.
2. Turn the unit on by sliding the power switch up to the ON position.

Receive

1. Use the **Up/Down** channel keys to select any of the 40 channels. Press once to change one channel at a time. Press and hold to rapidly change channels.
2. Set the **VOLUME** control to a comfortable listening level.
3. Adjust the **SQUELCH** control to eliminate background noise during the absence of a signal. Move **SQUELCH** to the right until the noise disappears (no signal should be present). Leave the control at this setting. The receiver will remain quiet until a signal is actually received.

Note: *Do not advance the control too far, or some weaker signals will not be heard.*

Transmit

1. Set the **HI/LOW** Switch.
 - In the "HI" (4 watt) position, the unit transmits at maximum output power and achieves maximum range.
 - In the "LOW" (1 watt) position, transmission output power (range) is substantially reduced; but, the battery life will be increased. For maximum battery life, select the "LOW" position. This switch does not affect the reception range.
2. If the channel is clear, press the **Push-To-Talk Button** on the side of the unit. Be sure to speak clearly into the microphone.

IMPORTANT: *All channels, except channel 9, may be used for normal communication. Channel 9 is reserved for emergency communications involving the immediate safety of individuals or the protection of property.*

Care and Maintenance

The PRO340XL is designed to give you years of trouble-free service. There are no user-serviceable parts inside and except for the batteries, or the fuse inside the cigarette lighter plug, no maintenance is required.

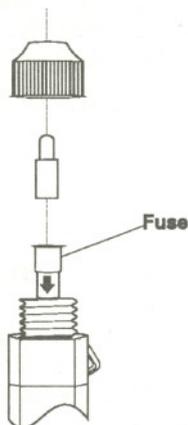
Note: Do **not** expose the unit to moisture. Rain, dew, road splash, or other liquids may damage the internal components.

Replacing the Cigarette Lighter Plug Fuse

The cigarette lighter plug contains a 2-ampere fuse to protect it from power surges.

To replace a blown fuse:

1. Grasp the cigarette lighter plug's two metal contacts and squeeze. Unscrew the cap counterclockwise.



2. Remove the fuse and replace it with the same type.
3. Replace the cap by grasping the plug's two metal contacts and squeezing them while twisting the cap back on. Make sure the cap is tightly secured.

Replacing the Batteries

See "Installing Batteries."

Recharging Batteries

You can recharge nickel-cadmium batteries while they are installed in the PRO340XL. Use the included Cigarette Lighter Power Cord or an optional AC Adaptor. Be sure to observe the polarity of the Adaptor before connecting it to the radio.

Note: *The PRO340XL will not operate while the batteries are recharging.*

WARNING

Do not attempt to charge alkaline batteries in this radio. Make sure you have installed 10 rechargeable nickel-cadmium batteries before connecting power to the charge connection.

Using the Cigarette Lighter Power Cord

IMPORTANT: *The Cigarette Lighter Power Cord is designed to be used **ONLY** with **negative** ground vehicles. Do not attempt to charge the batteries with the power cord connected to a positive ground vehicle.*

1. Plug one end of the Cigarette Lighter Power Cord into the **CHARGE** connection on the side of the PRO340XL.
2. Plug the other end of the Cigarette Lighter Power Cord into the vehicle's cigarette lighter socket.

Using an optional AC Adaptor

IMPORTANT: *Make sure you have an AC Adaptor that supplies 12V DC power with the correct polarity before connecting it to the radio.*

1. Plug one end of the AC Adaptor into the **CHARGE** connection on the side of the PRO340XL.
2. Connect the other end of the AC Adaptor to an AC power source.

Note: *For information on time required to recharge batteries, consult the manufacturer of the battery or AC Adaptor.*

Troubleshooting

If the **PRO340XL** does not perform to your expectations, please try the troubleshooting suggestions listed below. If you cannot get satisfactory results, call the UNIDEN SERVICE DIVISION at:

(02) 599-3100

8:30 a.m. to 5:00 p.m., Monday through Friday.

Problem	Suggestion
Unit does not power on.	<ul style="list-style-type: none">• Check the battery connections.• Check for weak or dead batteries.• If you are using the cigarette lighter power cord, check all connections as well as the fuse inside the cigarette lighter plug. Also check the vehicle electrical system.
Poor reception.	<ul style="list-style-type: none">• Check and adjust the SQUELCH.• Check the antenna connections.• Check for weak batteries.
Weak Transmission.	<ul style="list-style-type: none">• Check the antenna connections.• Check the HI-LOW switch.• Check for weak batteries.

Servicing Your CB

If you determine that service is necessary, contact your local dealer or return the unit in its original carton to Uniden - Service Division. Ship the item with a brief and concise description of the problem, your name, address, a telephone number where you can be reached during working hours and a copy of the original purchase receipt to the address listed in the warranty (at the end of this manual).

Technical information, diagrams, and charts are available upon request. It is the user's responsibility to see that this radio is operating at all times in accordance with the SMA Citizens Band Radio Service regulations. We highly recommend that you consult a qualified radiotelephone technician for service and alignment of this radio.

When ordering parts, please specify the correct model number and serial number of this radio.

Please refer to the "WARNING" information at the front of this manual.

Specifications

Channels:	40 AM
Frequency Range:	26.965 to 27.405MHz
Frequency Control:	Phase Locked Loop (PLL) synthesizer
Frequency Tolerance:	$\pm 0.005\%$
Operating Temperature:	$-30^{\circ}\text{C} + 50^{\circ}\text{C}$
Microphone:	Electret type (Built-in)
Input Voltage:	12.0 VDC nominal (negative ground)
Current Drain:	TX: Full modulation, 1.4A RX: With maximum audio output, 0.5A
Size:	67mm (W) x 38mm (D) x 140mm (H)
Complete Package:	595g
Antenna Connector:	BNC

Transmitter

Power Output:	Low: 1 Watt (nominal) High: 3.5 Watts (nominal) 4.0 Watts (maximum)
Modulation:	Class B amplitude modulation
Frequency Response:	300 to 3000 Hz
Output Impedance:	50Ω unbalanced

Receiver

Sensitivity:	$0.7 \mu\text{V}$ for 10dB; (S+N)/N typical
Selectivity:	6 dB @ 7 kHz, 70 dB @ 10 kHz typical
Image Rejection:	75 dB typical
IF Frequency:	Double Conversion Superheterodyne 1st: 10.695 MHz 2nd: 455 kHz
Automatic Gain Control (AGC):	Less than 10 dB change in audio output for inputs from 10 to 50,000 μV
Squelch:	Adjustable; threshold less than $1 \mu\text{V}$
Audio Output Power:	0.5 watts max. into 8Ω
Frequency Response:	300 to 2500 Hz
Distortion:	Less than 10% at 0.4 watts, 1000 Hz
Internal Speaker:	16Ω , 0.5 watts round

Specifications shown are typical and subject to change without notice.

Two Year Limited Warranty

Uniden PRO340XL CB Radio Australian 2 Year Warranty. (Accessories are covered for 90 days only).

Note: Please keep your sales docket as it provides evidence of warranty.

WARRANTOR: Uniden Australia Pty. Ltd. ACN 001 865 498

ELEMENTS OF WARRANTY: Uniden warrants to the original retail owner for the duration of this warranty, its PRO340XL CB Radio (hereinafter referred to as the Product), to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user only shall terminate and be of no further effect Two (2) years after the date of original retail sale. This warranty will be deemed invalid if the product is (A) Damaged or not maintained as reasonable and necessary, (B) Modified, altered, or used as part of any conversation kits, subassemblies, or any configurations not sold by Uniden, (C) Improperly installed, (D) Repaired by someone other than an authorized Uniden Repair Agent for a defect of malfunction covered by this warranty, (E) Used in conjunction with any equipment or parts or as part of a system not manufactured by Uniden, (F) Installed, or serviced by anyone other than authorized Uniden Repair Agent, (G) Where the Serial Number label of the product has been removed or damaged beyond recognition.

PARTS COVERED: This warranty covers for 2 years; the PRO340XL Portable Transceiver unit only. All other accessories like Cigarette Lighter Power Cord, Flexible Antenna, Belt Clips, Battery Spacers are covered for 90 days.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at anytime while this warranty is in effect, the warrantor will at its discretion, repair the defect or replace the product and return it to you without charge for parts or service. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

WARRANTY CARD: If a warranty card had been included with this product, then please fill it in and return it to us within 14 days of purchase. Your name and the serial number of the product will then be registered in our database and this will help us to process your claim with greater speed and efficiency should you require warranty service.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: In the event that the Product does not conform to this warranty, the Product should be shipped or delivered, freight pre-paid, with evidence of original purchase, (eg/ a copy of the sales docket), to the warrantor at:

UNIDEN AUSTRALIA PTY. LTD.- SERVICE DIVISION

345 Princes Highway , Rockdale, NSW 2216
Ph (02) 599 3100 Fx (02) 599 3278

Customers in other States should ship or deliver the Product
freight pre-paid to their nearest Uniden Authorized Repair Centre.
(Contact Uniden for the nearest Warranty Agent to you).

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UTUD01347BB

Printed in the Philippines