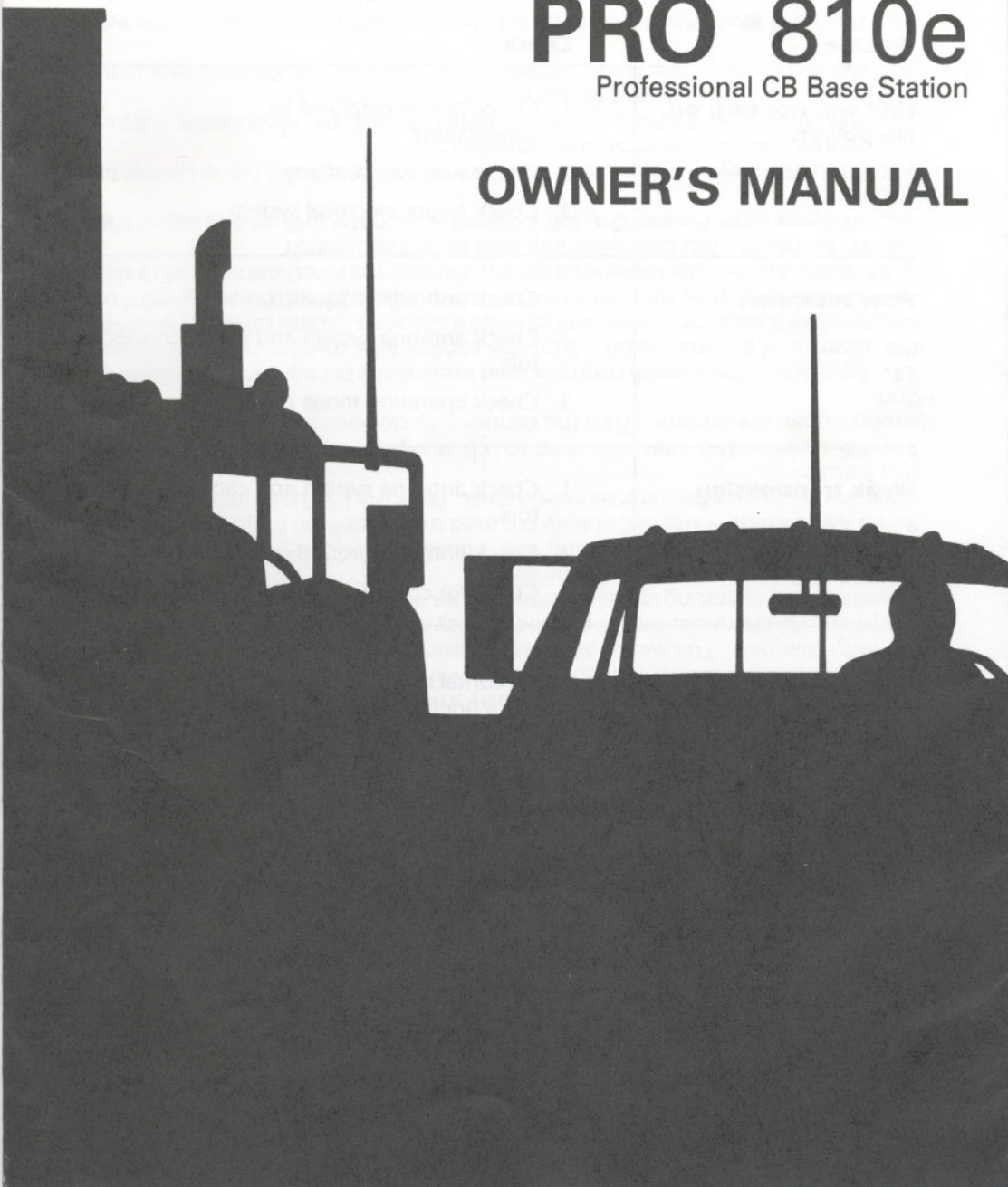


**uniden®**

**PRO 810e**

Professional CB Base Station

**OWNER'S MANUAL**



# Welcome!

To the world of sophisticated, microprocessor controlled CB radio communications. Your Uniden PRO 810e represents the most advanced base station ever designed for use in the Citizens Band Radio Service. It will operate on any of the 40 AM, 40 USB, and 40 LSB frequencies authorized by the Department of Communications. Your PRO 810e features a superheterodyne circuit with PHASE LOCKED LOOP techniques to assure precise frequency control. This radio has been type accepted and certified by the D.O.C.

## WARNING

UNIDEN DOES NOT REPRESENT THE UNIT TO HAVE BEEN WATERPROOFED. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# Installation

Select a location that is convenient for operation and allows adequate air circulation around the unit. Do not place anything directly on top of the radio cabinet which would block the cooling vents. Avoid areas of high heat. Do not place the unit on top of radiator vents or in direct sunlight. Do not place the unit in high moisture environments such as bathrooms.

## Antenna

Since the maximum allowable power output of the transceiver is limited by the D.O.C., the antenna is a very important factor affecting transmission distance. It is for this reason that we strongly recommend that you install only a quality antenna in your new CB radio system. You have purchased a superior quality transceiver. Don't diminish its performance by installing an inferior antenna.

Only a properly matched antenna system will allow maximum power transfer from the 50-ohm transmission line to the radiating element. We recommend that you use an SWR meter when installing your antenna. Set your PRO 810e to channel 20 and make adjustments to the antenna until the meter shows SWR = 1. Your Uniden dealer is qualified to assist you in the selection of the proper antenna to meet your application requirements.

The PRO 810e may be used with any type of 50 ohm base station antenna. A ground plane vertical antenna will provide the most uniform horizontal coverage. This type of antenna is best suited for communication with a mobile unit. For point to point operation where both stations are fixed, a directional beam will usually increase communication range since this type of antenna concentrates transmitted energy in one direction. The beam antenna also allows the receiver to "listen" in only one direction thus reducing interfering signals.

Antenna height is an important factor when maximum range is desired. Keep the antenna clear of surrounding structures and foliage. D.O.C. regulations may limit antenna height above an existing structure.

Connect the male connector (PL-259) of the coaxial cable from the antenna to the female connector on the back of the unit.

