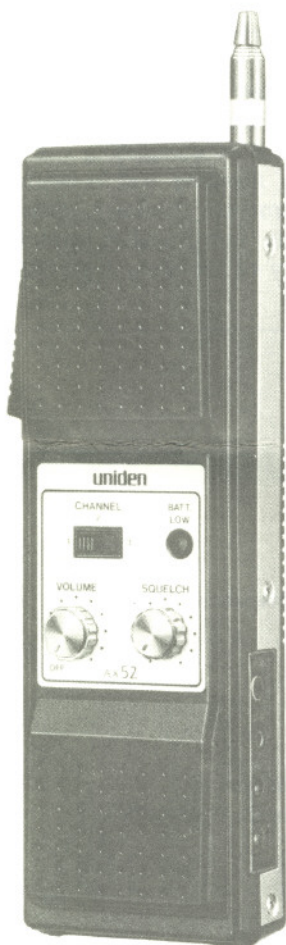


# uniden®



## AX 52 HAND-HELD TRANSCEIVER OWNERS MANUAL

## DESCRIPTION

Your UNIDEN AX 52 represents the most advanced 2-watt hand-held type radio ever designed for use in the Citizens Band Radio Service. It will operate on any three of the 40 frequencies designated as citizens band channels by the Department of Communications. Your Model AX 52 is factory-installed with channel 14 crystals. Additional crystals may be installed in the open channels.

### 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 249). 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.

## SPECIFICATIONS:

### TRANSMITTER

Power Input	: 2 Watts
Power Output	: 1 Watt
Spurious Ratio	: -65 dB or better
Current Drain at Maximum Modulation	: 480 mA to 550 mA

### RECEIVER

Sensitivity at 10 dB S-N/N	: 0.5 $\mu$ V
Image Rejection Ratio	: 15 dB
IF Rejection Ratio	: 80 dB
Audio Output Power at 10% Distortion	: 0.5 Watts
Current Drain at Maximum Output Power (DC)	: 400 mA to 450 mA

## CHANNEL INFORMATION

Channel	Channel Frequency in MHz	Channel	Channel Frequency in MHz
1	26.965	21	27.215
2	26.975	22	27.225
3	26.985	23	27.255
4	27.005	24	27.235
5	27.015	25	27.245
6	27.025	26	27.265
7	27.035	27	27.275
8	27.055	28	27.285
9	27.065	29	27.295
10	27.075	30	27.305
11	27.085	31	27.315
12	27.105	32	27.325
13	27.115	33	27.335
14	27.125	34	27.345
15	27.135	35	27.355
16	27.155	36	27.365
17	27.165	37	27.375
18	27.175	38	27.385
19	27.185	39	27.395
20	27.205	40	27.405

## PREPARING FOR USE

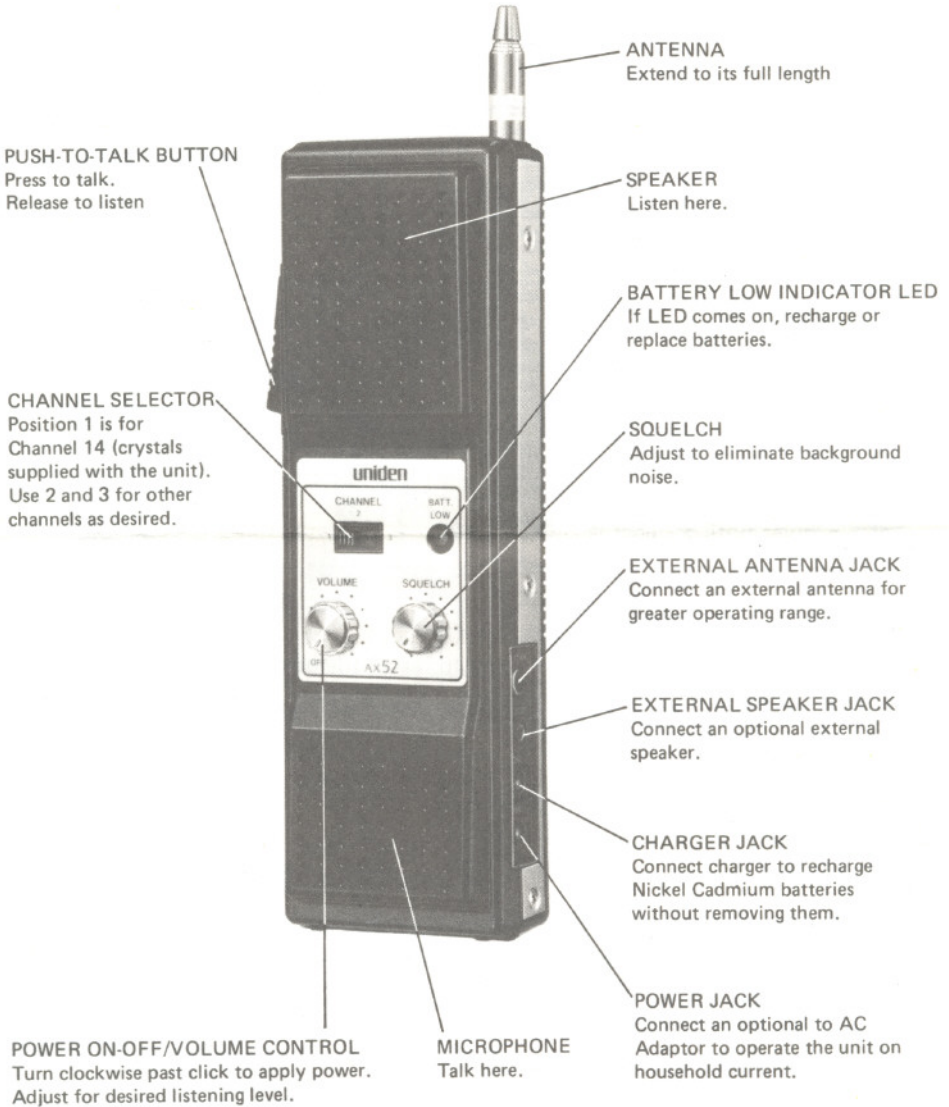
1. Slide off the Battery Compartment cover to install the batteries.
2. You can use the following types of batteries (size "AA").

Description	Quantity Required
Rechargeable Nickel Cadmium (1.2 volts)	10
Alkaline type (1.5 volts)	8
Standard type (1.5 volts)	8

Alkaline or rechargeable batteries are more desirable.

3. Install the batteries with polarity as shown on the Battery Compartment.
4. If you are using Alkaline or Standard type "AA" batteries, use the two dummy batteries provided with this unit.  
**NOTE:** Only Nickel Cadmium batteries can be used for recharging purposes.
5. If the battery indicator LED comes on when power is turned on, the batteries need to be recharged or replaced. As long as the LED stays "off", the batteries are OK.

# CONTROLS AND FUNCTIONS



## OPERATING PROCEDURE TO TRANSMIT

1. Extend Antenna to its full length and keep in a vertical position.

**IMPORTANT:** IF THE ANTENNA IS NOT FULLY EXTENDED, THE EFFICIENCY OF THE TRANSMITTER IS REDUCED AND THE POWER AMPLIFIER TRANSISTOR COULD BE DAMAGED.

2. Turn the power "on" by rotating the Volume Control clockwise.
3. Set the Channel Selector to the desired channel.
4. To transmit, press the Talk button. Speak slowly and clearly in normal voice, "2" to "3" from the Microphone.
5. To receive, release the Talk button.

## OPERATING PROCEDURE TO RECEIVE

1. Extend Antenna to its full length and keep in a vertical position.
2. Turn the unit "on" by rotating Volume Control clockwise.
3. Set the Channel Selector to the desired channel.
4. Set the Volume Control to a comfortable listening level.
5. Listen to the background noise from the speaker. Turn the Squelch Control slowly clockwise until the noise JUST disappears (no signal should be present). Leave the control at this setting. The Squelch is now properly adjusted. The receiver will remain quiet until a signal is actually received. Do not advance the control too far, or some of the weaker signals will not be heard.

## RANGE

The range of your hand-held transceiver will vary depending on conditions. Factors such as antenna, terrain and battery charge all affect range. To insure maximum range, always keep fully charged batteries in the unit. As voltage decreases, it directly affects range. Though higher in initial cost than other types, Nickel Cadmium Rechargeable Batteries are recommended. They can be recharged hundreds of times.

## CHANGING OR INSTALLING NEW CRYSTALS

Your AX- 52 comes with Channel 14 installed in Channel 1 position. You can use any 3 channels of the 40 allotted to CB Band. Do not attempt to use non-standard crystals or to make any internal adjustments to your AX-52. Such is prohibited by the D.O.C. and result in illegal operation, for which you may be liable and may be fined. Therefore, replacing and/or installing crystals must be made by or under supervision of the holder of an D.O.C. issued 1st or 2nd class radio operator license. Following information is provided only for such license holders.

1. Remove the rear cover from the transceiver.
2. Insert transmit crystal into the dual pin socket marked TX-2 or TX-3 (see below).
3. Insert receive crystal into the dual pin socket marked RX-2 or RX-3.



**NOTE:** The crystals installed in channel "1" position are also of plug-in type and may be replaced with those of any other channels.

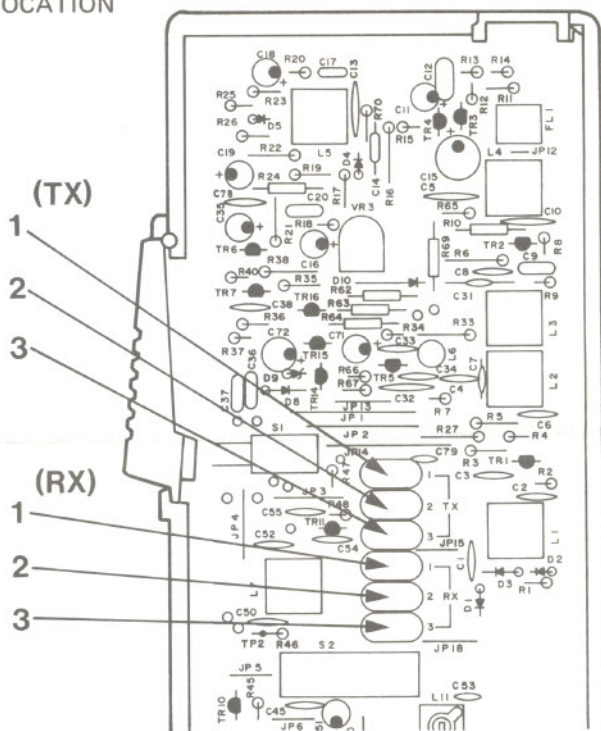
Make sure the transmit and receive crystals are installed in their correct sockets. If the crystals are reversed, the unit will transmit on one frequency and receive on another, both of which will be outside the citizens band, resulting in illegal operation.

4. Replace the rear cover.

### CRYSTAL SOCKET LOCATION

TX: Transmit crystal

RX: Receive crystal



### SERVICING YOUR TRANSCEIVER

The technical information, diagrams and charts will be supplied upon request.

It is the user's responsibility to see that this radio is operating at all times in accordance with the D.O.C. Citizens Radio Service regulations.

We highly recommend that you consult a qualified radiotelephone technician for the servicing and alignment of this CB radio product.

Please refer to the WARNING information contained in the 1st page of your Owner's Guide.

**(NOTE:** When ordering parts, it is essential to specify the correct model number and serial number of the unit.)

MEMO

# uniden®

## TWO-YEAR FULL WARRANTY

**WARRANTOR.** SANTRONIC AGENCIES PTY. LTD. 13 Garema Circuit, Kingsgrove NSW 2208 ("SANTRONIC").

**ELEMENTS OF WARRANTY.** SANTRONIC warrants, for the duration of this warranty, its UNIDEN CB Product to be free from defects in materials and craftsmanship with only the limitation or exclusions set out below.

**WARRANTY DURATION.** This Warranty shall terminate and be of no further effect Two (2) years after the date of original purchase of the Product or at the time the Product is (a) damaged or not maintained as reasonable and necessary, (b) modified, (c) improperly installed, (d) is repaired by someone other Warrantor for a defect or malfunction covered by this Warranty, or (e) used in a manner or purpose for which the Product was not intended.

**PARTS COVERED.** This Warranty covers all components of the Products.

**STATEMENT OF REMEDY.** In the event that the Product does not conform to this Warranty at any time while this Warranty is effective, Warrantor will repair the defect and return it to you prepaid, without charge for parts, service, or any other costs incurred by Warrantor or its representatives in connection with the performance of this Warranty. In addition, if the Product contains a defect or malfunction which is not repaired after a reasonable number of attempts by Warrantor to repair the Product, the Product or defective component will at our discretion, will be replaced without charge, when the defective product is delivered to the warrantor at 13 Garema Circuit Kingsgrove NSW 2208 free and clear of all liens and encumbrances. Please note that while the Product will be remedied under this Warranty without charge. **THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY.** In the event that the Product does not conform to this Warranty, the Product should be shipped prepaid to Warrantor at 13 Garema Circuits Kingsgrove NSW 2208. **THE ORIGINAL OR COPY OF THE SALES RECEIPT OR OTHER VALID EVIDENCE OF THE DATE OF THE ORIGINAL PURCHASE MUST ACCOMPANY THIS PRODUCT.**

**LEGAL REMEDIES.** This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# Santronic

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