

C.CRANE

Sonido Radio



INSTRUCTION MANUAL

**PLEASE READ ALL THE INSTRUCTIONS COMPLETELY
BEFORE USE AND SAVE MANUAL FOR FUTURE
REFERENCE.**

BEFORE USE

Please read **IMPORTANT SAFETY INSTRUCTIONS** on pages 22 - 23 before use. It is important to read and understand all instructions.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE RADIO.

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

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



THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.

For your future reference:

Serial No. _____ Date of purchase _____
(found inside battery compartment)

Name & address of dealer _____

Unpacking

The box should contain the Sonido Radio, the AC power adapter and this manual. If anything is missing or damaged, please contact your dealer immediately. We recommend you keep the box in the unlikely event your radio will need servicing.

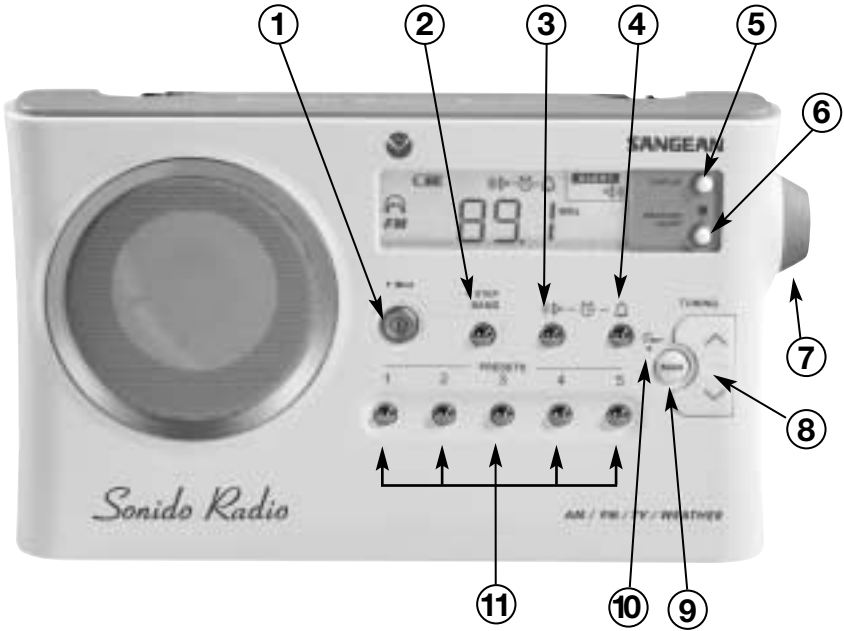
Copyright © 2006 by C. Crane Company, Inc., Fortuna, CA 95540
Phone: 1-800-522-8863 Web: sonidoradio.com

All rights reserved. No part of this booklet may be reproduced, in any form or means whatsoever, without permission in writing from C. Crane Company, Inc.

Table of Contents

Button Identification	4
Getting Started	
Powering your Radio	5
Installing the batteries	6
Display Panel	7
Setting The Clock	8
Setting The Alarm	8
Snooze Feature	10
Sleep Timer	11
Radio Operation	
Tuning	12
Weather Alert System	13
Tuning Steps	16
Headphone and Audio Input Jacks	17
Specifications	18
Troubleshooting Guide	19
Radio Noise Troubleshooting	20
Listening Tips	21
Safety Instructions	22

Button Identification



- | | |
|----------------------------|--------------------------|
| 1) Power or • Sleep Timer | 7) Volume Control |
| 2) Band or • Tuning Steps | 8) Tuning (Up/Down) |
| 3) Radio Alarm Set | 9) Scan |
| 4) Beep Alarm Set | 10) Scan or • Clock Set |
| 5) Display Clock/Frequency | 11) Memory Presets (1-5) |
| 6) Weather Alert (3 Modes) | |

Note: When you see a • next to a button on the radio, it means you must press and hold the button down for two seconds to activate the function. The appropriate symbol will then appear on the display along with sounding a “beep”.

Getting Started

POWERING YOUR RADIO

Before powering your radio be sure to read the Safety Instructions on pages 22 and 23.



The Sonido Radio will run on (4) “D” size NiMH or alkaline batteries or on 120V AC house current using the AC power adapter. Batteries are optional. If the AC power adapter is removed from the radio for more than three minutes, without batteries, you will lose clock, alarm and any memory settings. The Sonido will not charge batteries.

AC POWER ADAPTER OPERATION

Before you plug the AC power adapter into an outlet, be sure the AC voltage is 120Volts/60Hz. If you have batteries in the radio and you use the AC power adapter, the batteries will automatically be disconnected.

NOTE: If you remove the power adapter without turning the radio OFF, the radio will automatically revert to the batteries.



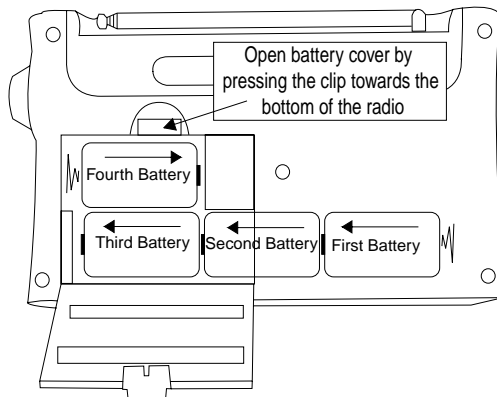
Insert the AC Power Adapter plug into the DC jack on the left side of the radio.

NOTE: The AC adapter should be disconnected from the main supply when not in use for prolonged periods of time.

Getting Started

INSTALLING THE BATTERIES

- 1) Position the radio face down on a soft surface to protect it.
- 2) Open the battery compartment cover on the rear of the unit by pressing the catch.
- 3) Insert the (4) "D" cell batteries into the compartment as indicated in the drawing below. Be sure the negative (-) end is against the spring. Refer to the drawing below to insure correct installation of your batteries.
- 4) Close the battery cover. You are now ready to operate your radio.



BATTERY REPLACEMENT

Symptoms of low batteries include: Distortion, a "stuttering sound", flashing low battery sign, or "E" appearing on the display.

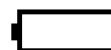
After removing dead batteries for replacement, you have at least 5 minutes to replace the batteries before your clock and memory information will be lost (if the radio is not plugged in).



This symbol means the batteries are full.



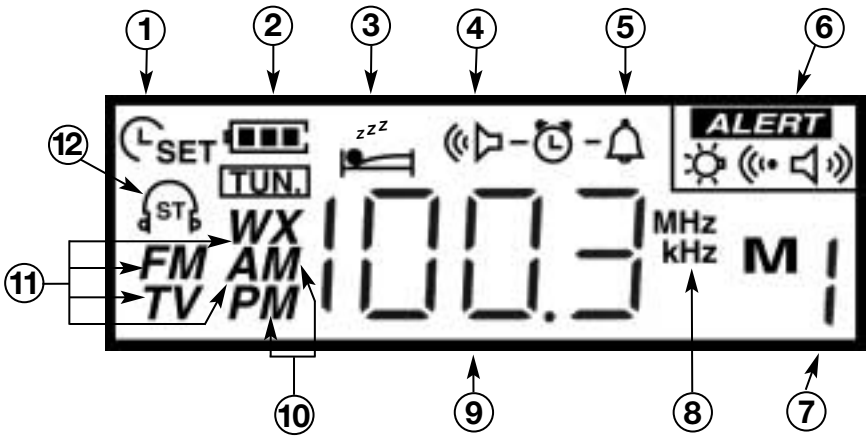
This symbol means the batteries are low.



This symbol means the batteries are dead.

Getting Started

DISPLAY PANEL




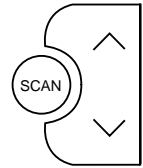
- | | |
|------------------------------|--------------------------------------|
| 1) Time Set | 7) Preset stations (1 - 5) |
| 2) Battery Status Symbol | 8) Frequency Unit |
| 3) Sleep Timer/Snooze Status | 9) Station Frequency / Clock Display |
| 4) Radio Alarm | 10) AM / PM Indicator |
| 5) Beep Tone Alarm | 11) Indicates Band In Use |
| 6) Weather Alert Modes | 12) Stereo Reception |

Getting Started

SETTING THE CLOCK

Please read this entire section carefully before you start. The clock can be set either while the radio is on or off. You will need to go through the steps listed below without stopping for more than 15 seconds at any given time or you will have to start over. (Refer to page 4 for Button Identification.)


- 1) Press and hold the Scan/Set Button for three seconds. You will hear a beep. The *HOUR DIGIT* and the  symbol will flash on the display.
- 2) Using the Up/Down Tuning Buttons, select the appropriate hour digit and AM or PM.
- 3) Press the Scan/Set Button again to select the minutes digits, the *MINUTES DIGITS* will flash.
- 4) Use the Up/Down Buttons to adjust the minutes to the appropriate time.
- 5) You must press the Scan/Set Button again to complete the time setting.




SETTING THE ALARM

There are two different alarm modes on the Sonido Radio. You can choose to wake up to the radio or to a beep tone. You can set the alarm with the radio on or off.

To set the type of alarm:

- 1) To wake with the Radio, press and hold the Radio Alarm button (shown at right) for 2 seconds. The  symbol will flash, you will hear a beep and the current alarm time will display.





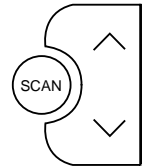
To wake with the Beep Tone Alarm, press and hold the Beep Tone Alarm button (shown at right) for 2 seconds. The  symbol will flash, you will hear a beep and the current alarm time will display.



Continued on page 9

Getting Started



2) Immediately press and hold the Scan/Set button for 3 seconds and you will hear a beep. The ALARM HOUR DIGIT and  or  will flash, depending on which type of alarm is being set.



3) Using the Up/Down Tuning Buttons, select the appropriate hour digit and AM or PM.

4) Press the Scan/Set Button again to select the minutes digits. The MINUTES DIGITS will flash.

5) Use the Up/Down Tuning Buttons to adjust the minutes to the appropriate time.

6) When finished press the Scan/Set Button. The  or  symbol will be displayed.

Notes: If the Radio Alarm has been chosen, when the alarm time is reached the radio will play the last station selected at the same volume level last set.

If there is no alarm symbol on the display, the alarm has not been activated.

Dual alarm set:

Follow steps 1-6 for both the Radio and Beep Tone Alarms. This allows you to set two different activation times and alarm types. This symbol (shown at right) will be displayed if both alarms are activated.



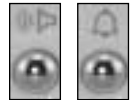
Getting Started

BEEP TONE ALARM “HWS” (HUMANE WAKE SYSTEM)


At the chosen alarm time a beep tone will sound and increase in volume every 15 seconds for one minute followed by one minute of silence before repeating the cycle. The HWS alarm will sound for one hour or until its turned off by pressing the power button. Once the power button has been pressed the alarm will reset itself to sound the next day at the time previously chosen.

To shut off the alarm:

Press and hold the Radio Alarm or Beep Tone Alarm Button until you hear a short beep and the alarm symbol disappears.



SNOOZE FEATURE

When the Radio or Beep Tone alarm is sounding, if you press any button except the Power Button, the alarm will temporarily stop for five minutes. The little “Zs” and Alarm symbol  will flash on the display while the radio is in snooze mode. To shut off the alarm and snooze feature press the Power Button.



DISPLAY BUTTON

With the radio off, the display button activates the LCD backlight display. The light will remain on for approximately 15 seconds.



With the radio on, the display button activates the LCD backlight display and switches the display from the frequency to the clock. To switch back to the frequency, press the display button again.

Getting Started

SLEEP TIMER FEATURE

Your Sonido Radio is equipped with a Sleep Timer that enables the radio to continue playing for up to 120 minutes after activation, then shuts the radio off. Selectable times are 60, 45, 30, 15, 120 and 90 minutes.

Press and hold the Power/Sleep Button until the pictograph of a person in bed and the numbers 60 are displayed.



Holding the Power / Sleep Button down will change the time in steps, showing times of 60, 45, 30, 15, 120 and 90 minutes. If you miss the time you want, simply continue holding the button until the desired time shows on the display. Release the button. Now the pictograph of the person in bed will appear on the display. The radio will play for the allotted amount of time and then shut off. To deactivate the Sleep Timer, simply shut the radio off using the Power Button.

Radio Operation

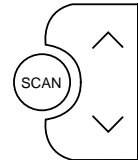
TUNING

The Sonido Radio features four bands: AM / FM / TV Audio 2-13 and Weather. Also the radio is equipped with three tuning methods: Manual tuning, Scan tuning, and Memory presets recall.

Manual Tuning

Refer to page 4 for Button Identification.

- 1) Press the Power Button to turn on the radio.
- 2) Select the band by pressing the Band Button.
- 3) A single press of the Up or Down Tuning Buttons will change the frequency up or down for AM and FM bands, and channel up or down for Weather and TV bands.



Each press of Up and Down Tuning Buttons will change the frequency by 10 kHz in AM mode and 200 kHz in FM mode.

Tune to the next station by pressing and holding the tuning up or down for more than half a second.

Scan Tuning

Press the Scan button and the radio will search for stations and stop automatically when it finds an active one. After five seconds the radio will continue the scanning for another available station. To select a found station press the scan button once again.



Scan Tuning will not work on the weather or TV bands. It may also stop scanning on strong interference or noise.

Radio Operation

Memory Preset Tuning



Five stations may be stored into memory in each of the four bands.

- 1) Tune to the station or channel you want to memorize.
- 2) Press and Hold the desired Memory Preset Button for two seconds or until you hear a beep. The station or channel is then memorized.

The display will show the memory number.

To recall the memorized station, select the correct band and briefly press and release the Memory Button corresponding to station desired. The radio will instantly tune to the station stored in memory.

Caution: If the preset button is held down for more than 2 seconds when recalling a station, the station you are tuned to will now be stored in that memory position.

WEATHER ALERT SYSTEM

The WEATHER ALERT modes on the Sonido Radio can alert you to special weather related emergencies. During an emergency or weather-related hazard, NOAA issues an emergency tone that will set off an audible and/or visual alarm on the radio.

NOTE: Hazard warnings are not available in all areas.

There are seven standard NOAA weather channels used in the US and Canada. This radio receives broadcasts up to 40 miles from transmitting stations.

Radio Operation

- 1) To listen to the standard NOAA weather channels, turn the radio on, press the Band button until *WX* shows on the display. The telescopic whip antenna may need to be fully extended and in the “up” position to receive a station clearly.
- 2) The channel number of the weather station is shown on the display. Pressing the Up or Down Tuning Buttons will toggle you through the seven-programmed channels. There should be one or more weather service stations broadcasting in your local area. You will hear a report that is updated usually once or more per day for your area. If there is a severe weather or weather-related emergency, NOAA may update the weather broadcast more frequently. If there is a weather emergency, the NOAA may issue an alert tone.

After locating and tuning in your weather station the radio can now be placed into WEATHER ALERT mode. The WEATHER ALERT mode enables you to listen to your favorite AM or FM station or turn the radio off, and still receive an alert signal warning you of a special emergency. There are three active WEATHER ALERT modes on the Sonido Radio.

Setting the Weather Alert

- 1) To place the radio in WEATHER ALERT mode, press and hold the Weather Alert Button for two seconds: You will hear a short beep and see the *ALERT* symbol, shown on the display.



This WEATHER ALERT mode is with the flashing light only (no Alarm). If NOAA issues a weather related emergency, the radio will automatically alert you with a small flashing light above the Weather Alert Button. The Alert light continues to flash until any button is pushed.



Continued on page 15

Radio Operation

2) To access the second mode (WEATHER ALERT with flashing light and siren). Press and hold the WEATHER ALERT Button again for two seconds until you hear a long beep. The symbol shown at right will appear and the red light above the WEATHER ALERT Button comes on continuously. In this mode, if a NOAA alert tone is issued, the red light above the WEATHER ALERT Button flashes and a siren turns on for up to 1 minute. In this mode, when the siren is active, pressing any button on the radio instantly turns the radio to the Weather Audio and cancels the siren.



3) To access the third mode, (WEATHER ALERT with NOAA Audio) press and hold the WEATHER ALERT Button again for two seconds until you hear a quick double beep. The symbol shown at right will be displayed in this mode. In this mode, if a NOAA alert tone is issued, the red light flashes and the radio switches to Weather Audio automatically. To cancel the WEATHER ALERT, press the Band Button on the radio.



Turning Off the Weather Alert

Press the WEATHER ALERT Button again for two seconds. A high/low beep will sound: You will no longer see the word *ALERT* in the display of the radio, which indicates that the alarm has been deactivated.

Note: If the word *ALERT* still appears then the weather alert has not been deactivated but changed to the next weather alert setting. Press the WEATHER ALERT Button again for two seconds to cycle through until the word *ALERT* no longer displays.

Radio Operation

Notes on the Weather Alert

- 1) If you have the headphones plugged in and a weather alert is issued, the audio to the headphones will be cut-off and the siren will sound through the radio's speaker.
- 2) In any of the active WEATHER ALERT modes, the weather receiver stays on and listens for an emergency tone issued from NOAA in case of emergency.
- 3) You may get a periodic test tone from the NOAA that will cause an unexpected alarm on your Sonido Radio. This tone is only a test and will happen periodically, usually every Wednesday at noon, or whenever the agency decides to test their emergency alert system. Simply pressing any button on the receiver will shut the alert tone off. After an alert has been issued, the WEATHER ALERT siren will stay on for one minute and the light will flash for one hour or until you turn it off by pressing any button.
- 4) When activated, the WEATHER ALERT consumes power even when the radio is turned off.
- 5) Be aware that if you are not using AC power the WEATHER ALERT will completely drain your batteries. If your batteries are dead and AC power is off, the **Weather Alert Alarm will not work.**

SETTING TUNING STEPS

Tuning steps in some countries are different from others. If you purchased this radio in the United States (which uses 10kHz-tuning steps) and intend to use it in Europe (which has 9kHz-tuning steps) you will need to adjust the radio so that it can match the locations tuning steps.

- 1) When the radio is switched off, press and hold the Step/Band button for three seconds. This will show the current FM tuning step. Continue pressing the Step/Band button for five more seconds. A beep will sound and the display will show FM and flash the current tuning steps.



Continued on page 17

Radio Operation

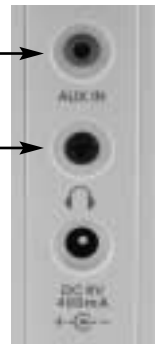
- 2) By pressing Tuning Down, you may adjust the steps from 200kHz for U.S. or 100kHz per step for Europe.
- 3) After the FM step is selected, press the Step/Band button again to bring up the AM step selections. The display will show AM and flash 10 kHz tuning steps. By pressing Tuning Down, you may adjust the steps from 10kHz to 9kHz per step for Europe.
- 4) Complete the setting by pressing the Step/Band button once again.

AUX IN Jack

The green jack, labeled AUX IN, is used to connect an external audio source such as an MP3 Player, CD, or recorder, so you can listen through your Sonido Radio's speaker. To do this, you will need the appropriate patch cord. Refer to page 18 for specifications. **With a patch cord connected**, press the Step/Band button until *AU* appears on the display.

AUX In →
Jack

Headphone →
Jack



Warning: If a "LINE OUT" is not available on your external audio source, you can use the headphone jack. However, the volume must be kept low or audio distortion may result.

HEADPHONE JACK

You can use a stereo or mono headphone (located on the left hand side of your radio) with a 3.5mm plug. When you insert headphones into the headphone jack, the speaker is disconnected and this radio provides FM stereo through the headphones.

Note: If using a mono headphone jack or a single earphone piece, the FM sound will be in mono. A limited number of earpieces may not work properly. Call for advice.

Specifications

FREQUENCY COVERAGE

FM Band: 87.5 - 108 MHz Stereo
AM Band: 520 - 1710 kHz
TV Band: Channels 2-13 Audio Only

WEATHER BAND

Channel 1:	162.400 MHz	Channel 5:	162.500 MHz
Channel 2:	162.425 MHz	Channel 6:	162.525 MHz
Channel 3:	162.450 MHz	Channel 7:	162.550 MHz
Channel 4:	162.475 MHz		

POWER SOURCE

AC 120 Volts 60Hz
Batteries: (4) "D" size

AUDIO

Speaker: 3", 4 Ohm, 2 Watts

ANTENNA

FM, TV and Weather Band: Telescopic whip antenna
AM Band: Built-in Ferrite Bar - 7/16" dia x 6.25" long (12mm x 160 mm)

DIMENSIONS

9" W x 5.25" H x 2.25" D (at the base)

WEIGHT

Approximately 1.7 pounds without batteries

Note: Specifications are subject to change without notice.

6V DC JACK

Center tipped negative. 6V DC @ 400mA input. Center point negative.

Troubleshooting Guide

My radio shuts off after just a few seconds:

Low batteries can cause this situation. Replace them with a new set of batteries. If the radio is operating on the power adapter, check for solid connections at the wall outlet and the side of the radio. Also make sure there is power at the wall outlet.

Stations won't hold in memory:

The memory button settings are being overwritten. When recalling a station from memory, if you hold the memory button down too long it will program the current station over your previously stored station. To recall a station that has been stored in memory, always press and release the button quickly. To program a new station into memory, tune to the desired station and then press and hold the memory button for two seconds until you hear a beep. Also, please see the section on Memory Tuning on page 13.

The AM reception is poor inside of my building:

Many building materials have adverse effects on AM band listening. Brick, concrete, stucco, and aluminum siding all have a tendency to absorb or reflect the AM signal. Spanish tiles or metal roofs are also culprits. To test your AM reception, put batteries in your radio and take it outside of the building. If your reception is notably stronger outside than inside the building, an external AM antenna may be necessary to bring the signal into the building.

Poor reception on FM, TV Audio, or Weather bands:

The Sonido Radio uses its telescopic, or “whip” antenna for FM, TV audio, and the weather bands. To improve reception of these bands, fully extend the telescopic antenna. Reception of FM and weather broadcasts is normally improved with the antenna extended straight up. TV audio reception usually requires the antenna to be rotated at an angle. Note: The antenna must be fully extended to allow it to rotate.

Radio Noise Troubleshooting

AM RADIO NOISE PROBLEMS AND POSSIBLE SOLUTIONS

If you hear an annoying buzz when listening to AM radio, it's most likely radio noise. Here are some of the usual culprits:

- * Dimmer switch (even in an adjacent room).
- * Lights: fluorescent light, "touch lamp" type fixtures, automatic night lights, motion-activated outdoor lights, dying bulbs, blinking bulbs.
- * Nearby television or computer.
- * Electronic bug and pest controllers.
- * Faulty electrical switch.
- * Radios scanners.
- * Dirty insulators on a nearby power pole.
- * Electric blanket.
- * Smoke detectors that run from an AC current (battery operated units are OK).

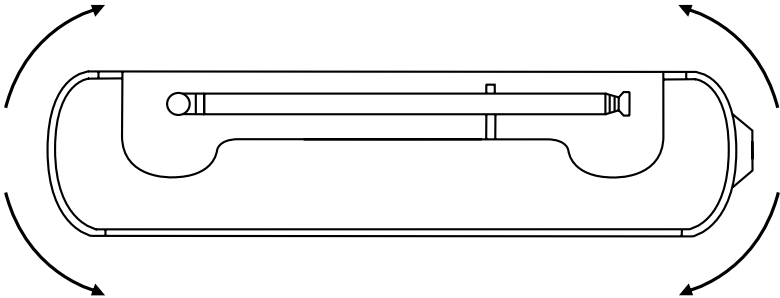
Now what can you do about it?

- * Turn off the circuit breakers to see if the noise stops, and if the source comes from inside your house. Turn off one circuit at a time to isolate the source of the noise.
- * Using a battery-operated radio, check if the interference comes from the AC 120V line, through the air, or both. To locate the direction of the noise, turn the radio until you hear the loudest noise. The front and the back of the radio will point to the noise origin.
- * If the noise comes from outside, carry the radio around the neighborhood to check for the origin of the noise. Ask your neighbors if they hear the same noise.
- * If you suspect a power pole, call the utility company. Dirty power pole insulators are sometimes a cause of hard-to-find radio interference.

For more information on Radio Noise Troubleshooting, go to www.ccrane.com/radionoise

AM Tuning & Listening Tips

Most portable radios including the Sonido Radio have an internal AM antenna. Best performance is achieved when the radio is swiveled on its base for maximum signal pickup from the transmitting tower. This same technique can be used to help nullify unwanted signals or radio noise. Experimentation is the best way to see how it works for you.



Daytime reception is limited to about 300 miles maximum because you can only receive the signal directly from the transmitter site. You may receive AM stations thousands of miles away at dawn, dusk and at night, depending on the time of year and atmospheric conditions. The ionosphere is a layer of ions above the earth. At night it slows and congeals into a giant mirror and can reflect radio waves back to the earth, allowing you to receive signals much farther away than during the day.

Distant listening is called DXing. One club that is devoted to DXing is National Radio Club at: PO Box 164, Mannsville, NY 13661-0164. They maintain a website at: <http://www.nrcdxas.org>

Safety Instructions

READ BEFORE OPERATING EQUIPMENT SAVE THESE INSTRUCTIONS

- 1) Read and understand all safety and operating instructions before the radio is operated.
- 2) Retain Instructions: The safety and operating instructions should be retained for future reference.
- 3) Heed Warnings: All warnings on the appliance and in the operating instructions should be followed.
- 4) Water and Moisture: The appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.
- 5) Cleaning: Unplug the receiver from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the receiver.
- 6) Placement: Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the receiver.
- 7) Heat: Never put the radio in direct sunlight in an unventilated area or behind glass like a car's interior. The appliance should be away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.
- 9) Power Adapter Cord: The power adapter cord should be positioned so it is not walked on or pinched, or have items placed on top of it. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the power adapter by gripping the power transformer, not the cord. Operate the radio using only the correct type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- 10) Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the receiver through openings. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock.

Safety Instructions

- 11) If the radio is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage caused by lightning or power line surges.
- 12) If the radio is left unattended and unused for long periods of time, remove the batteries. The batteries may leak and damage furniture or your radio.
- 13) Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty. Refer all servicing to authorized service personnel.
- 15) The appliance should be serviced by qualified service personnel when:
 - A. The power adapter or the transformer has been damaged, or
 - B. Objects have fallen or liquid has been spilled into the radio, or
 - C. The radio has been exposed to rain, or
 - D. The radio does not appear to operate normally or exhibits a marked change in performance, or
 - E. The radio has been dropped or the enclosure damaged.
- 16) The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel. This symbol is to alert you to important operation or servicing instructions that may appear in the owner's manual.



Model: PR-D4VW

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.

- 1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- 2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Notice: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

381C15SA

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>