

# CC SKYWAVE SSB 2

## INSTRUCTION MANUAL

Please read all the instructions completely before use and save this manual for future reference.



C.CRANE

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## Introduction

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The CC Skywave SSB 2 radio opens the door to a fantastic world of information and entertainment at home or on the go. The standard AM and FM bands allow for listening to local radio stations near your home, or around the world when traveling. In the USA, Canada and parts of northern Mexico local weather information, forecasts and warnings are available at the touch of a button on the WX (weather) band. The AIR band enables reception of both aircraft and air traffic control (ATC) at or near airports, or just about anywhere on or near land within about 200 miles. For long distance listening, the Skywave SSB 2 covers the international shortwave bands (SW). In addition to standard SW broadcast stations such as BBC, VOA, Radio Japan and many others, the Skywave SSB can, using the special built-in SSB (single sideband) mode, receive ham radio operators, long-range aviation (commercial and military), maritime, space and even spy transmissions from all over the world, no satellites or Internet required! A new grounded Shortwave antenna jack significantly improves SW reception when used with an external antenna. The new micro-USB connector works well from any USB port along with improved in-circuit battery charging. Other changes are a better speaker with slightly more amplification, circuit noise reduction, and longer feet for better stability.

## Introduction / Owners Record

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Have fun and enjoy the amazing tool of discovery you now have in your hands! If you have any questions about your radio, please give us a call or check out [ccrane.com](http://ccrane.com).

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### FOR YOUR FUTURE REFERENCE:

Serial No. (Found inside battery compartment): \_\_\_\_\_

Date of purchase/Name & address of dealer: \_\_\_\_\_

\_\_\_\_\_

## UNPACKING

The box should contain the CC Skywave SSB 2, CC Buds Earphones, Carry Case, Shortwave Antenna, CC Wire Terminal Antenna Adapter, Warranty Card, and this manual. If anything is missing or damaged, please contact your dealer immediately. We recommend you keep the packaging in the unlikely event your radio will need servicing.

## Safety Instructions

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### CAUTION

- Before turning the unit on, set your volume control to a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly without distortion.
- Long-term exposure to loud sounds may cause hearing damage. It is best to avoid high volume levels when using headphones/earbuds, especially for extended periods.

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### SAFETY INSTRUCTIONS

- 1) Read and understand all safety and operating instructions before the radio is operated.
- 2) **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.

### Safety Instructions

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- 3) 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.
- 4) The user should not attempt to service the appliance beyond that described in the operating instructions.
- 5) Although very high quality parts were used in the manufacturing of your radio, buttons, knobs, and dials should be operated with a light touch for best longevity.
- 6) All other servicing should be referred to qualified service personnel.  
**WARNING: DO NOT CHARGE ALKALINE BATTERIES.** Use only the recommended power adapter that we supply for recharging NiMH batteries.

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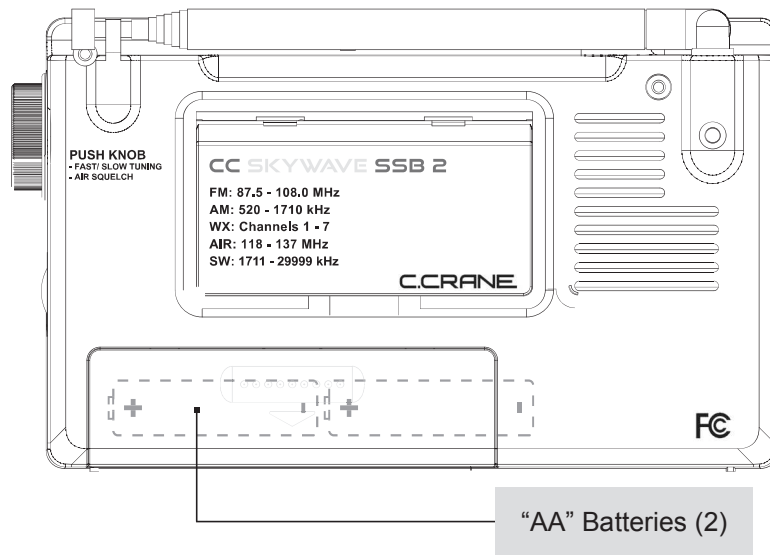
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## Installing the Batteries

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## Installing the Batteries

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### **DO NOT USE LITHIUM BATTERIES.**

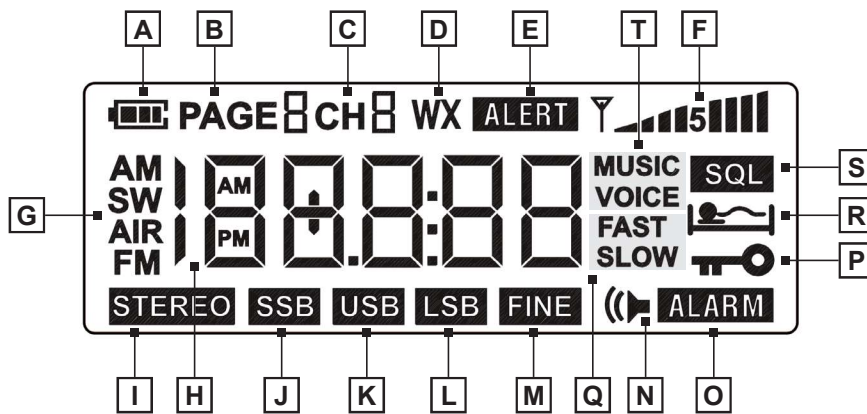
- 1) Position the radio face down on a soft surface to protect it.
- 2) Remove the battery cover by applying pressure and sliding downwards towards the bottom of the radio.
- 3) Insert the two (2) "AA" alkaline or NiMH cell batteries into the compartment as indicated. Be sure the negative (-) end of the battery is against the spring.
- 4) Replace the battery cover. You are now ready to operate your radio.

**NOTE:** You will have 30 seconds after batteries are removed before the clock and alarm settings are lost. We recommend having your new batteries ready to insert quickly after removing the old ones.

In our test, (going slowly) it took us about 15 seconds to add the new batteries after removing the old ones. The memory presets and other settings are stored in permanent memory so they will not be lost if the radio is unpowered for a duration of time.

## Radio Identification / Display

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## Radio Identification / Display

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- |  |   |
|--|---|
| <b>A)</b> Battery Icon/ Charge Indicator     | <b>M)</b> Fine Tuning for SSB Activated   |
| <b>B)</b> Page Number (for station memories) | <b>N)</b> Alarm Set for Radio Station     |
| <b>C)</b> Station Memories 0-9               | <b>O)</b> Alarm is Activated              |
| <b>D)</b> Weather Band Indicator             | <b>P)</b> Radio is Locked                 |
| <b>E)</b> Weather Alert is Activated         | <b>Q)</b> Tuning Speed with Knob          |
| <b>F)</b> Reception Signal Strength          | <b>R)</b> Sleep Timer is Activated        |
| <b>G)</b> Band Indicators (AM, SW, AIR, FM)  | <b>S)</b> Squelch                         |
| <b>H)</b> Frequency/Time                     | <b>T)</b> Audio Filter for Music or Voice |
| <b>I)</b> Stereo FM Reception                |   |
| <b>J)</b> Single Sideband Activated          |   |
| <b>K)</b> Upper Sideband Activated           |   |
| <b>L)</b> Lower Sideband Activated           |   |

## Quickstart Guide for SSB

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### HERE ARE A FEW TIPS FOR THOSE NEW TO TUNING SINGLE SIDEBAND (SSB) VOICE TRANSMISSIONS:

- 1) Use the WX/SW/AIR button to switch to the SW (shortwave) bands. On the keypad press the FREQ button and enter the lower frequency of one of the ham bands like 7125. Press the SSB button. Make sure the display shows LSB (lower sideband), if it shows USB (upper sideband), then press the USB/LSB button to go to the LSB mode. LSB is the standard mode on 3600-4000kHz and 7125-7300kHz.
- 2) It is recommended to fully extend the whip antenna.
- 3) Go to the slow 1 kHz tuning mode by pressing the main dial inward and releasing. Start tuning up the band. When you hear an odd sounding duck-like voice, use the main tuning dial to tune the signal until it sounds as good as possible, then press the FINE TUNE button and tune the main dial in the fine-tuning mode until the voice sounds normal.

## Quickstart Guide for SSB

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### 4) Listening suggestions:

**A)** Daytime - try: 7125-7300kHz (LSB), 14150-14325kHz (USB) or 21200-21450kHz (USB)

**B)** Nighttime - try: 3600-4000kHz (LSB) or 7125-7300kHz (LSB)

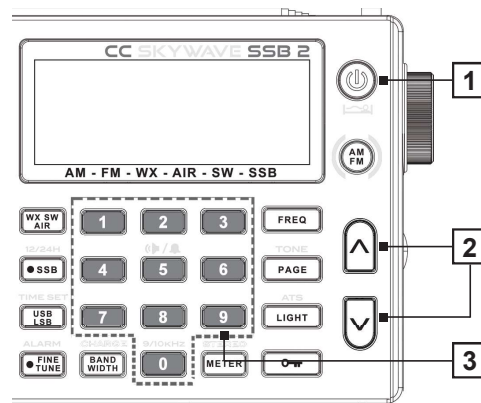
**NOTE:** Radio conditions on SW change every day like the weather. Sometimes you may hear many stations on the air, and sometimes just a few or even none. Evenings and weekends tend to be the best times to listen. There is more to learn by going to [www.ccrane.com](http://www.ccrane.com) or searching the Web.

## Radio Operation

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### 1) POWER BUTTON - SLEEP TIMER

To turn the radio "ON" press and release the red power button. To activate the Sleep Timer, press and hold the red power button while the radio is off. The display will cycle through minutes 120, 90, 60, 45, 30, 15 and OFF. Release the power button to activate the sleep setting you desire. The radio will remember your last Sleep Timer setting for the next time you activate it. The Sleep Timer will automatically shut off the radio after the set amount of time expires.



### 2) UP AND DOWN TUNING BUTTONS

Press once quickly to tune to the next frequency increment. Press and hold for 2



## Radio Operation

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seconds to automatically tune to the next strong station. Hold continuously to cycle through the whole band.

### 3) MEMORY PRESET BUTTONS 0-9

Save your favorite stations to memory buttons. To save a station, press and hold any memory button for 2 seconds while the station is playing. To play a saved station, press the same button once quickly. **NOTE:** The CC Skywave SSB 2 is a “smart” radio and will remember current settings when a station is preset into memory. The current settings that will be saved with your station are: 1. Stereo or Mono selection on FM. 2. Bandwidth selection on AM, Shortwave, or Air bands. 3. Tone settings.

### 4) AM/FM/NOAA WEATHER ALERT

Press the AM/FM button once quickly to switch between AM and FM bands. For NOAA Weather Alert: Press and hold this button to activate the weather alert for 4, 8, or 16 hours. Release button to make selection. To disable alert, press and hold this button for 2 seconds. **NOTE:** While the radio is OFF with ALERT activated, it will continue to use the same amount of power as if the radio were fully ON. The

## Radio Operation

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light will continue to flash indicating alert is ON and working. Turning the alert OFF when not needed will help conserve batteries.

### 5) FREQUENCY BUTTON

When you are in your selected band, this button lets you directly enter the frequency number of your desired station using the number buttons. For example, to play 1480 kHz in the AM band, quickly press the **FREQ** button and then enter 1, 4, 8, 0 using the number buttons. **NOTE:** When manually entering SW frequencies 2300 to 2610, you must press the **FREQ** button after entry.

### 6) PAGE BUTTON/CHANGING TONE

Each memory page allows you to save 10 additional stations per band. To change to a different page, press the **PAGE** button once quickly, then press any memory button 0-9 to select the Page that you desire.

To change between Music and Voice tones, press and hold this button for two seconds. Display will switch between 'Music' and 'Voice'.

### 7) LIGHT/ATS BUTTON

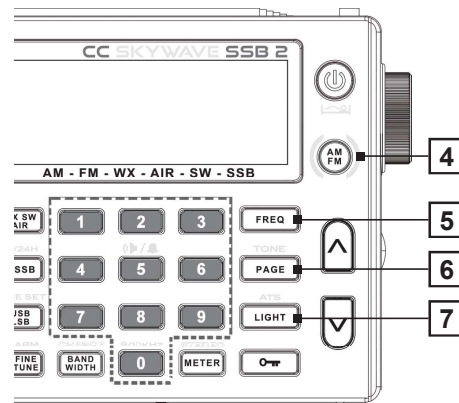
When using batteries, if the **LIGHT** button is pressed, then the display light will turn

## Radio Operation

on for 20 seconds. When using the AC Adapter (sold separately), if the LIGHT button is pressed with radio ON, then the display light will remain on all the time. Press the LIGHT button again to turn off the display light. If you press any button thereafter, the light will only turn on for 10 seconds. **NOTE:** It is not possible to keep the display light OFF all the time.

### AUTOMATIC TUNING SYSTEM (ATS)

This feature programs all receivable stations in the AM, FM, Air and Shortwave bands to memory buttons. To use ATS, select your desired band: AM, FM, Air or Shortwave, and press and hold the ATS button for two seconds. The CC Skywave SSB 2 will scan the entire band and automatically set all available stations in sequence 1-10. If more than 10 stations




## Radio Operation

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are available then the remaining stations will be preset to the next memory page, and so on.

### 8) LOCK BUTTON

The lock button will disable all buttons and controls, except the volume control. A Key icon will display on the screen when the radio is locked. To enable the lock, press and hold the lock button  for two seconds. To disable press and hold again for two seconds. If the lock button is pressed one time quickly then the display screen will toggle between frequency and clock for 10 seconds.

### 9) METER - STEREO BUTTON & CHANGING METER BANDS

In the Shortwave Band, the METER/STEREO button will change between popular Broadcast Meter Bands. In SSB mode, the METER/STEREO button will change between popular Amateur Radio Bands. **NOTE:** Your last used frequency in each meter band will be automatically remembered for later access. **TIP:** To scan only the current meter band for an active frequency, press and hold the METER/STEREO button for 3 seconds.

## Radio Operation

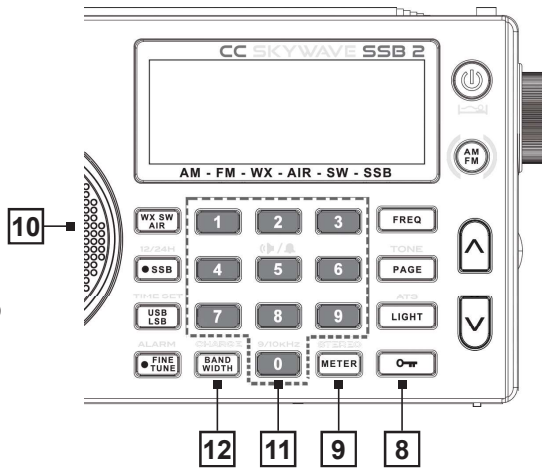
### STEREO OR MONO RECEPTION

In the FM band the METER/ STEREO button will cycle between stereo and mono FM reception. Typically, FM Mono will have better reception than FM Stereo.

**NOTE:** If a station does not broadcast in stereo or the radio cannot lock onto the stereo signal, the radio will only receive FM mono and the stereo symbol will not be displayed.

### 10) SPEAKER

The speaker will be disabled when headphones are plugged into the headphone jack.



## Radio Operation

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### 11) **ACTIVATE 9 OR 10 KHZ TUNING BUTTON - EXPAND FM BAND**

Many parts of the world, including Europe, use 9 kHz tuning steps for the AM band. 10 kHz tuning steps for AM are used in the USA and other regions. Switch tuning steps by holding the 9/10 kHz button for two seconds with the radio turned off. When tuning, steps that are set to 9 kHz the FM Band will also be expanded to cover 76-108 MHz (FM band in Japan).

### 12) **BANDWIDTH/CHARGE BUTTON**

Bandwidth filters (for AM, SW, SSB, and Airband only) On AM, SW, and AIR bands there are five bandwidth settings that can be used to filter out unwanted noise or adjacent overlapping stations. On SSB there are six bandwidths available. Quickly press the BAND WIDTH button to view the current selection. Press it again to choose the setting that sounds best to you. A narrow bandwidth of 1 kHz may work best when receiving a weak or noisy signal. For strong local signals 6 kHz is usually best, especially for music. If the station is changed then the radio will return to the default bandwidth setting. By default, the CC Skywave SSB 2 is set to 3 kHz bandwidth for good audio, noise filtering, and voice quality. The default can be changed by holding down the bandwidth button for more


## Radio Operation

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than five seconds with the power OFF. Release the button to choose the displayed selection.

**TIP - AM/SW:** Scan tuning on AM and Shortwave works best when keeping the default bandwidth setting of 3 kHz.


**TIP - SSB:** Best SSB reception is normally achieved with the BAND WIDTH set to 3 kHz. When noise is low and there is no interference from nearby stations, a BAND WIDTH setting of 4 kHz will provide higher fidelity audio.

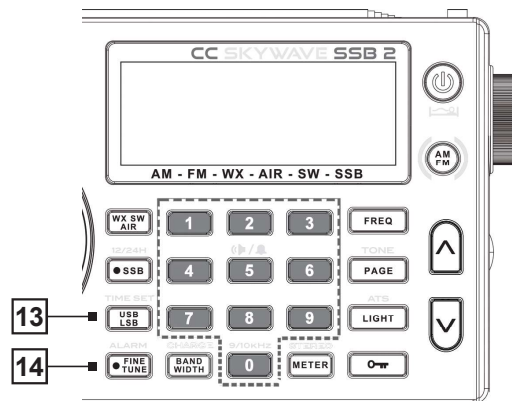
**CHARGING:** Use the CC Skywave SSB 2 to recharge your NiMH type batteries. Supply power to the CC Skywave SSB 2 from AC power adapter (not included). With the radio powered OFF, press and release the CHARGE button one time to begin charging. The battery icon  on the display will begin to cycle indicating that the batteries are charging. Charging will continue for 10 hours or until the batteries are full. If you turn the radio on during the charge cycle, the battery icon may indicate charging although it is not. Please be sure to keep the radio turned OFF when charging. **WARNING: Do not attempt to charge alkaline or other non-NiMH batteries. See page 5 for safety instructions.**

## Radio Operation

### 13) FINE TUNE/ALARM BUTTON

Fine tune SSB with 10 Hz resolution for better audio/reception. While in SSB mode, press the FINE TUNE button once quickly, then rotate the tuning knob until the desired resolution is achieved. When finished, press the FINE TUNE button again to exit.

**SETTING THE ALARM:** With the radio powered off, press and hold the ALARM button for two seconds. While the hour is flashing, press the  $\wedge$  or  $\vee$  tuning buttons (or rotate knob) until the hour ALARM and AM/PM time is correct. Press the ALARM button again to adjust the minutes. When finished, press the ALARM button again to confirm. To disable alarm, press the ALARM  button for three seconds.





## Radio Operation

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By default, the alarm will wake you with a beep. To wake to a radio station, press the #5 button during alarm setup. A speaker icon (🔊) displays on the screen indicating that the alarm will wake to the previous radio station played. It is best to check the station frequency and adjust the volume level to your wake-up preference before going to sleep to ensure that is just how you want it. When the alarm sounds, press the power button to turn the alarm off, or press any other button to sleep (snooze) for 5 more minutes.

### 14) USB - LSB - TIME SET BUTTON

Change between Upper (USB) and Lower (LSB) sideband while in SSB mode. Since there are two sidebands to each frequency you can choose which sideband you want. There may be two different broadcasts on the same frequency with SSB so you must choose which to listen to with this button. Press the USB LSB button to cycle between Upper and Lower sidebands.

**SETTING THE TIME:** With the power off, press and hold the TIME SET button for two seconds. While the hour is flashing, press the tuning buttons (or rotate knob) until the hour and AM/PM time is correct. Press the TIME SET button again to adjust the minutes. When finished, press the TIME SET button again.

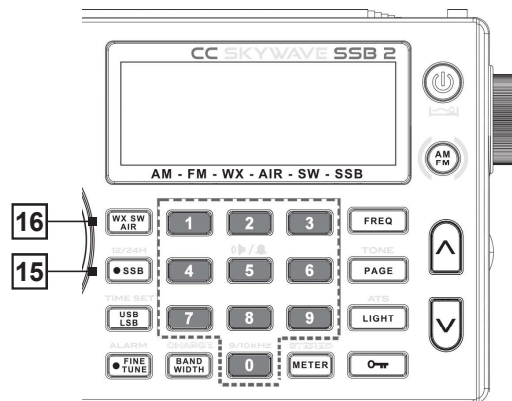
## Radio Operation

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### 15) SSB - 12/24 HOUR BUTTON

**ABOUT SSB:** If you have never tried to listen to Single Sideband, you are in the majority. On Single Sideband, you can listen to hams, long range aviation (commercial and military), maritime, space and even spy transmissions from all over the world. It is the most efficient and reliable way to communicate long range without the Internet or satellites. For more information, please visit our website [ccrane.com/expert-advice/](http://ccrane.com/expert-advice/)

**TO ACTIVATE SSB MODE:** Press the WX SW AIR button until the SW band is selected. Enter Single Sideband (SSB) mode by pressing the SSB button now. A red light will



## Radio Operation

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appear on the SSB button to indicate that SSB mode is active. To return to normal SW broadcast, press the SSB button again.

**SWITCH BETWEEN 12-HOUR TIME AND 24-HOUR TIME:** With the radio OFF, press and hold the 12/24H button for two seconds to change this setting.

### **16) WX/SW/AIR WEATHER, SHORTWAVE, SSB, AND AIR BANDS**

Quickly press the “WX/SW/AIR” button to cycle between Weather, Shortwave, and AIR bands.

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### **ABOUT THE WEATHER BAND**

The CC Skywave SSB 2 can receive all 7 NOAA weather band channels. NOAA is short for National Oceanic and Atmospheric Administration. It is a network of stations across the USA and territories that continuously broadcasts local weather and forecasts. Emergency Alerts are issued for serious weather conditions and public safety information. Enable the ALERT feature to be notified when a warning is issued in your area (See page 17). Fully extend the whip antenna for best reception.

## Radio Operation

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### **ABOUT THE AIR BAND**

With Air band, you can listen to communications between pilots and control towers. Basic instructions for moving the plane and weather and delay updates can also be heard. Many airports broadcast continuous feed that updates this information frequently. To find station frequencies that are used for your airport, you can search the internet. One good site is: [www.radioreference.com](http://www.radioreference.com)

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### **SCANNING AIR BAND PRESETS**

**TIP:** It is possible to scan 10 of your favorite aviation frequencies and monitor transmissions. Add each of the frequencies you want to scan to the first 10 memory presets on page 1, then press the UP and DOWN tuning arrows at the same time and release.

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### **ABOUT THE SHORTWAVE BAND**

With shortwave you can listen to radio signals from around the world. Signals are usually received best at night and early morning when the Earth's ionosphere does not cause interference with the bouncing signals. The CC Skywave SSB 2 has

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## Radio Operation

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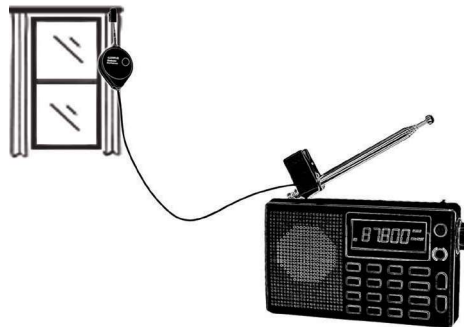
several bandwidth filters to reduce interference. Select which filter sounds best by pressing “BANDWIDTH” button after a station is tuned in.

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### USING THE CC PORTABLE SHORTWAVE ANTENNA

- 1) Attach the clip to the telescoping antenna of your radio.
- 2) Fully extend the wire.
- 3) Place the wire high off the floor, next to a window.

**TIP:** Sometimes attaching the clip near the bottom of the telescoping antenna produces the best results.



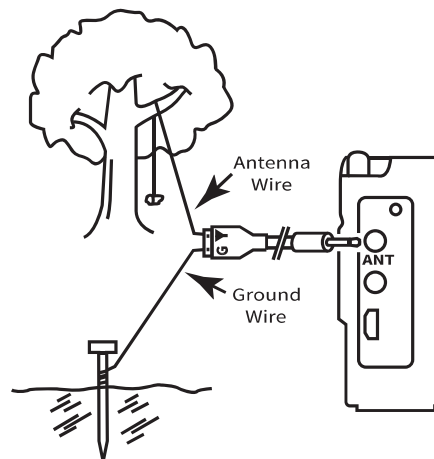
## Radio Operation

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### USING THE CC WIRE TERMINAL ANTENNA ADAPTER

- 1) Plug in the 1/8" mono plug to the "ANT" jack of your radio.
- 2) Loosen both wire terminal screws
- 3) Insert a long wire (60'-100' recommended) in the port below the antenna terminal screw and tighten.
- 4) Repeat for this process for your ground wire. Clamp or solder the opposite end of the ground wire to a grounding stake or other grounded object.

**TIP:** More information about shortwave wire antennas and antenna grounding can be searched on the web. One good site is [www.radioreference.com](http://www.radioreference.com)

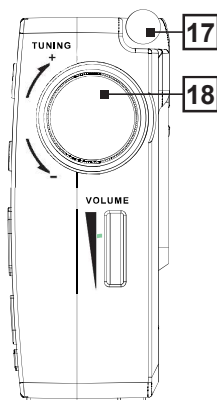


## Radio Operation

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### 17) FM/WX/AIR/SW ANTENNA

Flip up and fully extend the whip antenna. For most stations, reception is best when antenna is positioned vertically. Other stations may have better reception with the antenna positioned differently.



### 18) TUNING KNOB

Rotate knob to tune to the next frequency increment. Press the knob "IN" towards the body of the radio (once quickly) to change between "FAST" and "SLOW" tuning increments when rotating the knob. "FAST" tuning will use larger incremental steps between frequencies. "SLOW" tuning can improve AM stations that are slightly off frequency on poor signals. Try tuning 1 kHz higher or lower than the actual station frequency to see if reception improves.

## Radio Operation

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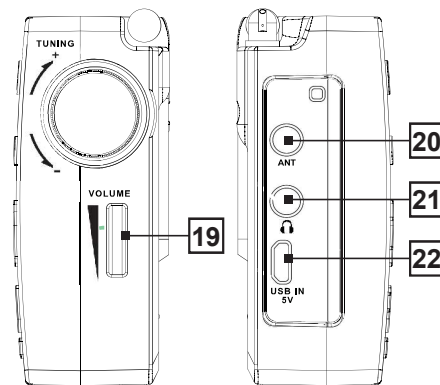
### SQUELCH MODE

Squelch Mode only works on the Air band. Press and hold the tuning knob “IN” towards the body of the radio (for 2 seconds) to activate. “OFF” will appear on the display screen. Rotate the knob to adjust the level of squelch desired. The optimal level is usually the lowest number that does not have background noise.

With squelch turned “OFF” you may be able to receive some very weak signals that do not register when the squelch is enabled. Press the tuning knob “IN” towards the body of the radio one time to save the current squelch setting.

### 19) VOLUME CONTROL

Rotate the small wheel up for more volume and down for less volume.





## Radio Operation

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### 20) ANTENNA JACK

This jack can be used for connecting an external shortwave antenna for improved reception.

### 21) EARPHONE JACK

For private listening, use headphones or earbuds. This jack can also be used as an audio output to another device.

### 22) USB POWER/CHARGING JACK

You can power your radio or charge NiMH type batteries with the USB jack connected to a computer or USB power adapter (not included). (See page 41).

### 23) BACK STAND

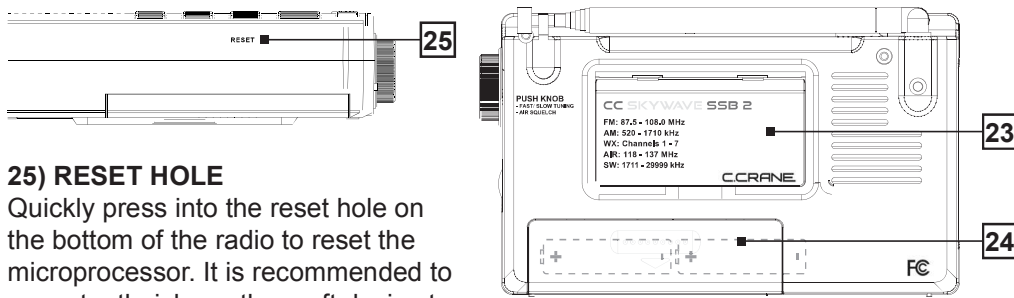
Flip this panel out to prop up your radio for easy use of the controls, best audio and for viewing positioning.

### 24) BATTERY COMPARTMENT

Requires two AA alkaline or NiMH batteries. DO NOT USE LITHIUM BATTERIES.

## Radio Operation / Hidden Settings

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### 25) RESET HOLE

Quickly press into the reset hole on the bottom of the radio to reset the microprocessor. It is recommended to use a toothpick or other soft device to reset the radio. Do not press too hard as you might damage the radio. See Page 35 for resetting all to factory settings.

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### DISABLE BEEP SOUND

With the power OFF, press and hold memory button #3 **3** for two seconds. All beeps are disabled except ALARM and WX ALERT. Repeat sequence to enable beep again.

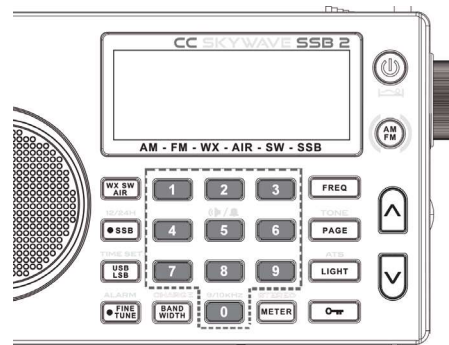
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## Hidden Settings

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### DESIGNATE FREQUENCY OR CLOCK WHILE LISTENING TO THE RADIO

With the power OFF, press and hold memory button #4 **4** for two seconds. A “C” will appear on the screen indicating that the clock will show while listening to radio. Repeat sequence to display Frequency instead. “F” will appear on the screen to indicate that the frequency will show when listening to the radio.



### RESET ALL SETTINGS

With the power OFF, press and hold memory buttons #4 **4** and #6 **6** for five seconds. The radio will beep four times indicating that all settings have been restored back to the factory defaults.

## Troubleshooting Guide

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### **THE CC SKYWAVE SSB 2 WILL NOT TURN ON AND NONE OF THE BUTTONS WORK:**

The Lock button: that is located on the front of the radio may be activated. When activated, a key icon will show on the display screen. Push lock button for 2 seconds to resume normal operation of the radio. (Please see “Lock Button” on page 20).

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### **MY RADIO SHUTS OFF AFTER JUST A FEW SECONDS:**

Low batteries can cause this situation. Replace them with a new set of batteries.

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### **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.

## Troubleshooting Guide

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### **POOR RECEPTION ON AM BAND:**

Rotate the radio until the reception is best. Many buildings that use brick, metal, or stucco can absorb or reflect the AM signal. Computers and other electronic equipment, including fluorescent lights, can cause noise that interferes with your AM reception. Move the radio to a different place to see if that helps. Additional noise may affect a weak signal. There are several bandwidth filters which can help to reduce interference. Select which one sounds best by pressing the "BAND WIDTH" button. For even better reception use an external AM antenna available at [www.ccrane.com](http://www.ccrane.com).

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### **POOR RECEPTION ON SHORTWAVE/SSB BAND:**

Fully extend the whip antenna and adjust its orientation to obtain the strongest signal. There are several bandwidth filters which can help to reduce interference. Select which one sounds best by pressing the "BAND WIDTH" button. Also be sure to try the CC SW Reel Antenna included with the CC Skywave SSB 2.

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### **RADIO NOISE TROUBLESHOOTING:**

If you hear an annoying buzz when listening to AM, Shortwave, or SSB radio, it's

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## Troubleshooting Guide

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most likely radio noise. Here are some of the usual culprits:

- Any electronic device such as a computer, smartphone, tablet, TV, printer, etc.
- Any charger or AC adapter box that plugs into the wall outlet.

### POSSIBLE SOLUTIONS:

- Identify the object or device that is creating the interference noise and power it completely off or unplug it from power.
- Use your radio in another location that is away from interfering electronics.

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### **BATTERY POWER LEVEL INDICATOR DOESN'T SHOW FULL CHARGE WHEN USING RECHARGEABLE BATTERIES:**

Rechargeable batteries will not show a full charge on your radio display. The CC Skywave SSB 2 is calibrated to read the charge of your alkaline batteries, which is 1.5 volts at full charge. Rechargeable batteries, however, are fully charged at just 1.25 volts, so your radio will show a partial charge even if the rechargeable batteries have been fully charged.

## Specifications

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### **FM BAND:**

87.5 - 108 MHz (Regular Mode)  
76 - 108 MHz (Expanded Mode; see page 22).

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### **AM BAND:**

520 - 1710 kHz (10kHz)  
522 - 1620 kHz (9kHz)

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### **SHORTWAVE BAND:**

1711 - 29999 kHz

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### **AIR BAND:**

118 - 137 MHz

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### **WEATHER BAND:**

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

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## Specifications

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### **POWER SOURCE:**

Batteries: (2) "AA" size.

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### **POWER CONSUMPTION:**

30 - 100 mA DC (depending on headphone or speaker usage).

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### **AUDIO:**

Speaker: 1.5", 25 Ohm, 0.5 Watt Stereo headphone jack.

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### **ANTENNA:**

FM, Weather, Shortwave/SSB and Air Band: 21.5" Whip Antenna.

AM Band: Built-in Ferrite Bar.

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### **DIMENSIONS:**

3" W x 4.75" H x 1.1" D.

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### **WEIGHT:**

Approximately 6.7 ounces without batteries.

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## Specifications / Accessories

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### WARRANTY

1-Year Limited Warranty.

**NOTE:** Specifications are subject to change without notice.

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### ACCESSORIES



Rechargeable NiMH  
“AA” Batteries



AC Adapter

Available at [ccrane.com](http://ccrane.com) or call: 1-800-522-8863

### **Firmware Revisions / SW Meter Bands**

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To find out which firmware revision your model has, press and hold the #1 button for the 2 seconds with the radio turned OFF. The display will then show the revision number.

#### **SHORTWAVE BROADCAST METER BANDS**

2300 - 2495 _____	120 Meters	15030 - 15800 _____	19 Meters
3200 - 3400 _____	90 Meters	17480 - 17900 _____	16 Meters
3900 - 4000 _____	75 Meters	18900 - 19020 _____	15 Meters
4750 - 5060 _____	60 Meters	21450 - 21850 _____	13 Meters
5730 - 6200 _____	49 Meters	25670 - 26100 _____	11 Meters
7100 - 7450 _____	41 Meters		
9250 - 9900 _____	31 Meters		
11500 - 12100 _____	25 Meters		
13570 - 13870 _____	22 Meters		

### SW Meter Bands

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#### AMATEUR RADIO BANDS (SSB)

1800 - 2000 _____	160 Meters	14000 - 14350 _____	20 Meters
3500 - 4000 _____	80 Meters	18068 - 18168 _____	17 Meters
5330 - 5410 _____	60 Meters	21000 - 21450 _____	15 Meters
7000 - 7300 _____	40 Meters	24890 - 24990 _____	12 Meters
10100 - 10150 _____	30 Meters	28000 - 29700 _____	10 Meters

## MODEL: CC SKYWAVE SSB 2

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 users authority to operate the equipment.

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