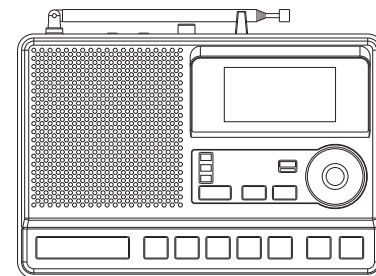


# CL-100



**GB**

Revision 2



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## Important Safety Instructions

1. Read and understand all safety and operating instructions before the radio is operated.
2. Retain Instruction: The operating instructions should be retained for future reference.
3. Heed Warnings: All warnings on the appliance and operating instructions should be followed.
4. Follow all operations and use instructions.
5. Only use attachments / accessories specified by the manufacturer.
6. Use only a dry cloth for cleaning the exterior of the radio.
7. Ventilation: this radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce airflow through the ventilation openings. Also keep 10cm space on the back of the radio.
8. 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.
9. Do not expose this product to splashing or dripping water. Objects containing liquid, such as vases or drinking glasses, should not be placed on top of this product.
10. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
11. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious physical injury and damage to the radio.
12. Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty.
13. Do not plug the AC lead into the AC outlet if the outlet is still wet. Make sure that the outlet is dry before and after use.
14. Power sources: The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer or power company.

**GB**

## Introduction

Congratulations on your purchase of the Sangean CL-100 S.A.M.E. Weather Hazard Alert Radio. This product complies with the exacting standards for CEA-2009A Public Alert devices, and will provide you with the information you need for your greatest safety from the effects of weather and other external hazards. The Sangean CL-100 Weather Hazard Alert Radio receives digitally encoded civil and weather emergency alert messages. It also has a receiver that tunes to the 24/7 broadcasts issued by the National Weather Service. The Sangean CL-100 Weather Hazard Alert Radio receives all 7 NOAA Weather Channels and uses Specific Area Message Encoding (S.A.M.E.) to identify specific areas, like a county or portion of a state.

## How It Works

The Sangean CL-100 displays NOAA text messages on the LCD screen. When an alert is received, the alert sounds the radio automatically switches to the voice broadcast. Messages are identified by one of three color-coded LED lights as follows: "Advisory" (yellow), "Watch" (orange) or "Warning" (red). Emergency weather bulletins include alerts about: Tornados, Hurricanes, Floods, Winter/Tropical/ Dust Storm and other severe weathers. Other emergencies include: Fire, Iceberg, Telephone Outage, Dam Watch and other civil emergencies. You can store up to 25 locations for your radio to respond to. There are advanced optional settings which you can use, such as Defeat Siren and Add Alerts to customize the response of your radio.

## Accessories

AC Power Adapter (Included) – 6V DC 400mA  
External Antenna Rod (126mm, Range: FM 87.5~108MHz, Weather broadcast)

## Main Features

### ***NOAA Alert Function***

Your Weather Hazard Alert Radio will automatically sound an alert tone and flash the corresponding LED color indicator when it receives a weather or civil emergency broadcast from NOAA (Weather Band).

### ***Specific Area Message Encoding (S.A.M.E.)***

Allows you to store up to 25 different location codes into memory. Each code identifies a specific geographic area, typically a county as defined by NOAA. Setting the S.A.M.E. location helps reduce unnecessary alerts.

### ***Alphanumeric Liquid Crystal Display (LCD)***

The CL-100 has a graphic LCM (128\*64 Pixels) LCD module with excellent display quality and wide viewing angle. It can scroll LCD display of S.A.M.E. event information. In addition, the CL-100 has dimmer and contrast control adjustment for viewing the display in the dark.

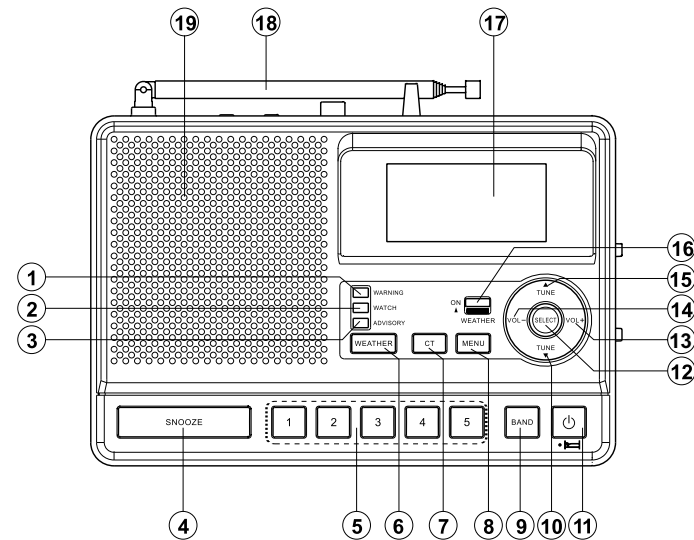
### ***External Device Compatible and Radio Broadcast Data System (RBDS)***

The CL-100 has a built-in external alert output jack for other accessories (e.g. hearing / visually impaired , flashing light, indoor / outdoor siren / alarm). You can also set the date, weekday and time on a digital watch manually or automatically by RBDS CT set.

## Description of Controls and Functions

1. LED Indicator Light – “Warning” (Red)
2. LED Indicator Light – “Watch” (Orange),
3. LED Indicator Light – “Advisory” (Yellow)
4. Snooze Button – Silences wake-up alarm for a period of 5 minutes.
5. Preset Stations – Saves 5 sets of your favorite radio stations.
6. Weather Band Button – Press to listen to NOAA weather broadcast.
7. CT Button – Press to synchronize a clock in the receiver.
8. Menu Button – Press and hold to enter programmable menus.
9. Band Button – Select “AM radio”, “FM radio” or “Aux In”.
10. Tune Down – Use to scroll down through menu options while programming.
11. Standby Button
12. Select Button
13. Vol Up – Use to turn volume up and to scroll forward through menu lists.
14. Vol Down – Use to turn volume down and to scroll back through menu lists.
15. Tune Up – Use to scroll back through previous menu options while programming.
16. Weather Alert ON/OFF – Switch to put the weather / hazard receiver into standby mode.
17. LCD Display – Displays time and alert messages. Also used to display different options when programming.
18. 21” Integrated Telescopic Antenna – Fully extend the antenna and orient it for best reception.
19. Speaker

## Locations of Controls (TOP)

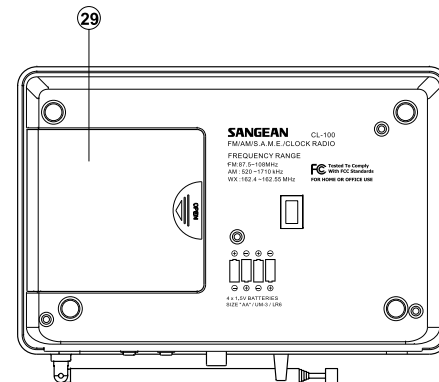
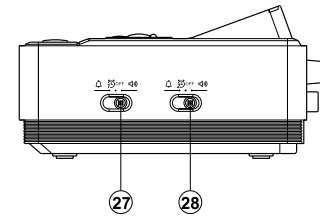
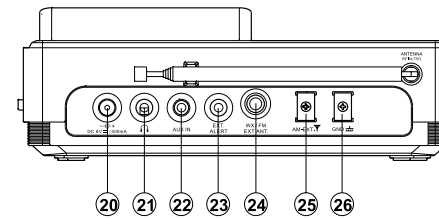


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## Description of Controls and Functions (con.)

- 20. DC Power Jack – Connect AC Adapter or 6V DC from car cigarette adapter (not included).
- 21. Stereo Headphone Socket – Allows private listening.
- 22. Aux In Socket
- 23. External Alert Jack – Provides contact closure to activate external devices.
- 24. WX/FM Antenna Jack – Permits use of an optional extended range base antenna or a mobile antenna.
- 25. AM Antenna Terminal
- 26. Ground Terminal
- 27. Alarm Switch 1 – Enables and disables alarm 1 clock function.
- 28. Alarm Switch 2 – Enables and disables alarm 2 clock function.
- 29. Battery Compartment

## Locations of Controls-cont. (Rear, Side & Bottom)



## Using the Weather Hazard Alert Radio


### **Connecting the Power**

1. Plug the AC adapter cord into the 6V DC input jack on the back of the unit.
2. Plug the adapter into the wall outlet. The DC indicator will appear on the upper left corner of the LCD display.

### **Battery Installation**

The CL-100 uses 4 AA batteries for back-up power. It can run on non-rechargeable alkaline, or rechargeable Nickel Cadmium (Ni-Cad) or Nickel Metal Hybrid (NiMH) batteries. When the radio is operating on battery power, the battery stock indicator will appear on the upper left corner of the LCD display.

### **To Install or Replace the Batteries:**

1. Turn the unit upside down. Locate the battery compartment door tab, press down on the door tab and lift the cover up to open.
2. Insert 4 x "AA" size/UM-3/LR14 batteries. Be sure to follow the polarity markings. Replace the battery compartment cover.
3. Reduced power, distortion, a "stuttering" sound are all signs that the batteries may need replacing. The batteries should be replaced when the battery indicator  flashes in the display.
4. If the radio is not be used for any extended period of time, it is recommended that the batteries are removed from the radio.

### **Note:**

When removing the batteries, press down the negative electrode of the innermost battery and it will be tilted out of the compartment. The rest of the batteries can be removed easily.

### **Getting better Reception with External Antennas**

If you have weak reception on your radio in remote areas, you may improve your reception by using the external antennas. Connect the external FM/ weather antenna in the terminal shown in figure 24 in the pull chart. Connect the external AM antenna as shown in figure 25, 26.

### **Note:**

Both the FM/ weather and the AM antenna are not included. For the external FM/weather antenna, our accessory ANT-100 is compatible to the device for superior range and reception. You can find the detailed accessory description and its order form in the package. As for the AM loop antenna, you need to buy an AM loop antenna from the electronic mart. The recommended AM loop antennas include Sangean AM Loop Antenna, and C. Crane F5 External AM Antenna.

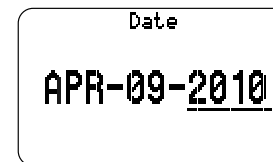
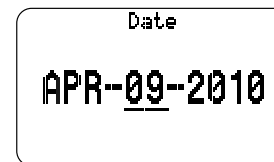
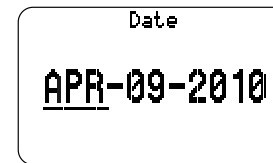
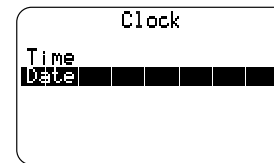
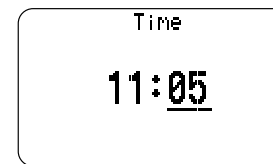
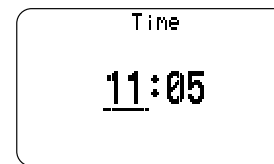
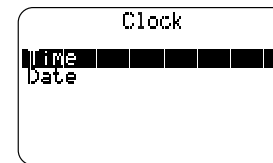
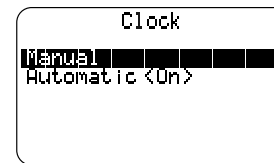
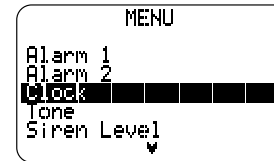
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### Setting the Time and Date

The CL-100 is equipped with a date and time clock as a clock radio.

To set the time and date:

1. Press the menu button and press TUNE DOWN to scroll down the menu list to the Clock menu. Press the SELECT button to enter the Clock menu.
2. Select Manual, then Time and Date will be displayed. To set the time of day, select Time and the hour / minute setting will begin flashing. Press the VOL UP/DOWN to move between the settings. Use the TUNE UP/DOWN to select the desired time. Press the SELECT button when you have set the time as desired. The radio will save your settings and return to the main menu at the Clock.
3. To set the date, select Date and the day / month / year setting will begin flashing. Press the VOL UP/DOWN button to move between the settings. Use the TUNE UP/DOWN to select the day, month and year as desired. Press the SELECT button when you have set the date as desired. The radio will save your settings and return to the main menu at the Clock.





## AM/FM Radio and Aux In

### Listening to AM/FM Radio

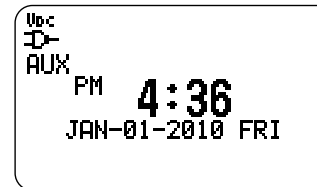
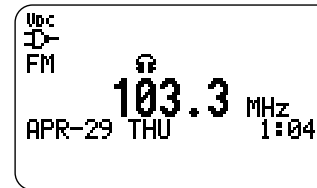
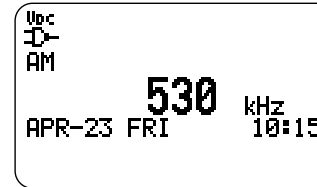
1. First press the STANDBY button to turn the radio function on.  
Press the BAND button once, and select the listening mode between AM radio, FM radio or Aux In settings as you desired.
2. To listen to AM/FM radio, press the TUNE UP/DOWN to tune the radio frequency until you find the desired radio station. To search a AM/FM radio station, press and hold the TUNE UP/DOWN, and the radio will automatically scan forward/backward until a radio station is found.
3. When listening to a radio broadcast in stereo, a headphone symbol "🎧" will appear on the LCD display above the frequency. Press the SELECT button to switch to Mono (auto) mode.

### Listening to Aux In

4. To play external device such as your MP3/CD player using the radio, connect your audio device into the Auxiliary input socket to allow an audio signal to be fed into the unit. Press the BAND button to choose the Aux In mode. The radio will play your audio input as how you operate your external device.

#### Note:

To adjust volume when listening to AM/FM radio or Aux In, press the VOL UP/DOWN to increase/reduce the sound level.



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### ***Presetting AM/FM Stations***

You may store up to 5 station presets for each FM/AM band. Using the preset buttons saves your time when searching your favorite stations.

1. Press the STANDBY button to turn the radio function on, then tune to your desired station.
2. Press and hold the required PRESET button (1 to 5) for 2 seconds until there is a beep sound, and the display shows "PRESET 1". The station will be stored using the chosen preset number. Repeat this procedure for the remaining presets as you wish
3. Preset memories which have already been stored may be overwritten by following the above procedure if required.

### ***Recalling a Preset AM/FM Station***

1. Press the STANDBY button to turn the radio function on.
2. Select the desired waveband by pressing the BAND button.
3. Momentarily press the required PRESET button (1 to 5) to tune your radio to the station stored in preset memory.

### **Selecting the Weather Band Channel**

To receive alerts, you must first select the correct weather channel. NOAA broadcasts on the weather band on seven channels in 25kHz increments, between the frequencies of 162.400MHz and 162.550MHz.

To identify the appropriate channel for your area, visit the NOAA website at: <http://www.nws.noaa.gov/nwrl/indexnw.htm>

The table on the NOAA website includes the correct weather band channel for your area, the SAME code and the location of the broadcast tower. Look for the state in which you live and then search the list for your county. Use the channel listed for your county when programming the radio.

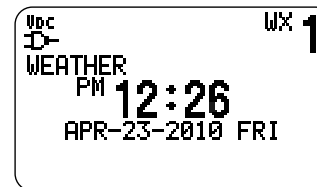
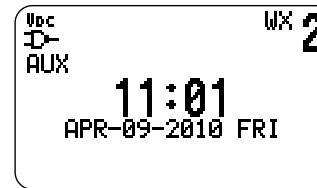
### **Listening to Weather Broadcast**

1. Press the WEATHER BAND button to hear the voice broadcast. Then switch on the Weather Alert ON/OFF to put the weather / hazard receiver into stand-by mode.
2. Press the MENU button and press the TUNE DOWN to scroll down to Weather Channel, and press the SELECT button to enter the menu. The LCD display will show the channel number. Press TUNE UP/DOWN to select the desired channel. Press the SELECT button to save the Channel Setting and return to the main menu list.

Your are now ready to use your CL-100. To listen to the weather channel, press the WEATHER BAND button while the Weather Alert ON/OFF is switched on.

Place the radio where it gets the best reception. The LCD display will show the specified weather channel number in the upper right hand corner when the weather / hazard receiver is in stand-by mode.

To turn off the weather channel press the WEATHER BAND button again. Your radio can be further programmed to respond to alerts in specific areas. To custom program your radio for alerts in your area only, see the SAME programming instructions on page 11-12.



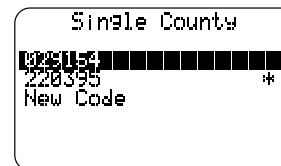
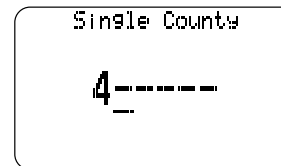
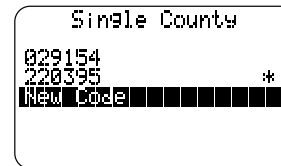
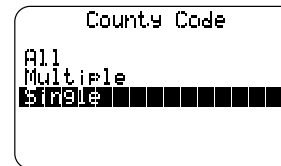
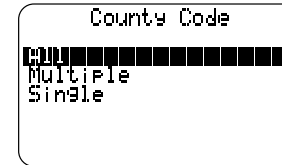
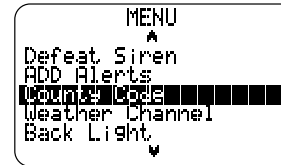
**GB**

## SAME Programming

NOAA transmits coded weather and civil emergency alerts using Specific Area Message Encoding (S.A.M.E. technology). SAME enables you to customize your CL-100 to receive messages relevant to your area, therefore reducing unwanted alerts. SAME is activated by programming a 6 digit code – called a FIPS code – into your radio.

The CL-100 is capable of being programmed with up to 25 different FIPS location codes. To program the radio with the FIPS code for your area, follow the steps below.

1. Press the MENU button and press the TUNE DOWN to scroll down to the County Code, and press the SELECT button to enter the menu. Then All, Multiple and Single will be displayed. Choose Single if you want to receive only alerts sent to one county (or FIPS code). Choose Multiple if you want to receive alerts from more than one county that you have programmed. Choose All to receive all alerts your station sends regardless of the FIPS codes.
2. Select Single to enter the Single County menu. Select New Code and enter a six digit sequence to set up the FIPS code. Use the TUNE UP/DOWN to select the desired number. Then use the VOL UP button to select the second digit. Repeat this sequence until you have set all six digits as desired, and press the SELECT button to save the code and exit to Single County menu. More than one set of FIPS codes can be stored under Single County mode, but only one set of code can work at a time. The codes that are stored will show in the Single County menu list. Press the TUNE UP/DOWN to highlight the stored code, and press SELECT button to overwrite an existing code. When a code is highlighted, press VOL UP/DOWN button to enable/disable the code.



3. Under Multiple County mode, repeat the same instruction as above to set up, edit or enable / disable your FIPS codes. To leave the current operation, press the MENU button once.

**Note:**

**If no code is enabled before leaving, the default County Code mode is All.**

```
County Code
All
Multiple
Single
```

```
Multiple County
029154 *
220395 *
New Code
```

```
Multiple County
9-----
_
```

```
Multiple County
029154 *
220395 *
New Code
```

**GB**

## Setting up RBDS CT


**Radio Broadcast Data System**, or **RBDS**, is a communications protocol standard for embedding small amounts of digital information in conventional FM radio broadcasts. The RBDS system standardizes several types of information transmitted, including time, station identification and program information.

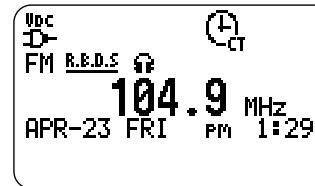
CT (Clock Time) is normally contained in the RBDS data, and you can set the date, weekday and time on a digital watch manually by the RBDS transmitted to your Sangean CL-100 following below instructions:

### **Setting CT Manually**

1. Tune to a station transmitting RBDS data, and press the CT button.

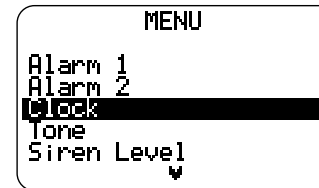
The LCD display will show R.B.D.S. The clock time of the radio will set up automatically according to the RBDS data received.

2. When the action is completed,  will appear on the LCD display indicating the radio time is RBDS clock time. The radio clock time will be valid for seventy two hours each time the radio time is synchronized with RBDS CT.



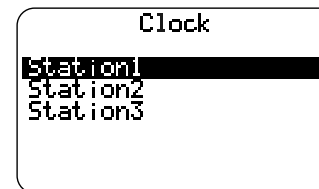
### Setting CT Automatically


1. To synchronize your CL-100 radio clock time without manual operation, press the MENU button and press TUNE DOWN to scroll down to the Clock menu. Choose Automatic and press the VOL UP/DOWN button to turn the Automatic function on.

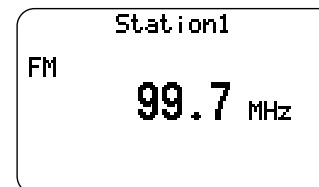


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2. Press the SELECT button to enter the Automatic menu and the LCD display will show as follows:



3. Select Station1, Station2 or Station3 to set up the radio frequency (FM) as the source station of the radio CT. The radio will synchronize the clock time according to your settings of these three stations every two hours. The  icon will appear on the LCD display when the radio clock is synchronized with CT function.



#### Note:

**When the Automatic is turned off, the CT function can only be operated manually.**

## Advanced Programming

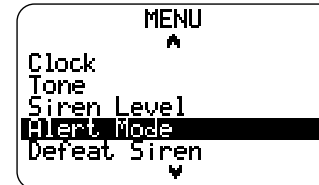
### Setting the Alert Mode

Your CL-100 has 2 programmable Alert Modes and responds to an alert broadcast in one of two ways.

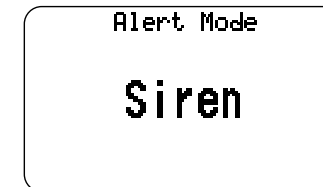
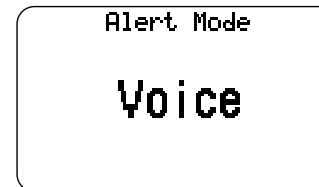
1. **Voice Mode** – An alert tone sounds for 10 seconds, and the weather (voice) broadcast automatically turns on for 10 minutes. The alert description and duration appear.
2. **Siren Mode** – An alert tone sounds for 4 minutes, and the alert description and duration appear. To silence the alert sooner, press the SNOOZE, WEATHER, or STANDBY button.

### To Set the Alert Mode:

1. Press the MENU button and press TUNE DOWN to scroll down to Alert Mode, and press the SELECT button to enter the menu. The LCD display will show Voice Alert Mode or Siren Alert Mode.



2. Press the TUNE UP/DOWN to choose between Voice and Siren Alert Mode. Then press the SELECT button to save the alert mode setting and exit to the main menu.



### Note:

**When an alert is received, the colored LED warning light indicators will light up in both of the Alert Modes.**



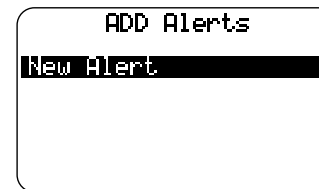
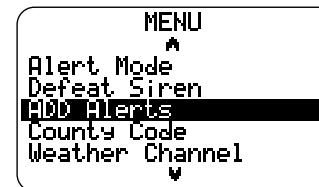
### Adding Alerts

The CL-100 provides the ability to add up to 5 additional alerts. This feature allows you to update your CL-100 in the event that NOAA changes or adds alerts to the message menu in the future. The alerts you add must have the same exact 3 letter code used by NOAA for your radio to respond properly.

#### To Add a New Alert:

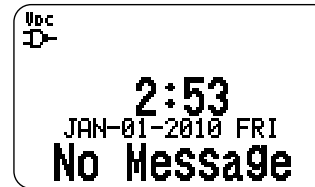
1. Press the MENU button, and press the TUNE DOWN to scroll down through the main menu list to the ADD Alerts menu.
2. Press the SELECT button to enter the ADD Alerts menu. Then New Alert will appear on the display. Press SELECT button and the first digit of the 3 letter event code will begin flashing. Use the TUNE UP/DOWN to assign the code letter. For example: The 3 letter for Tornado Warning is "TOR". Once you have selected the first letter, press the TUNE DOWN and follow the same sequence to set the second and third letters respectively.
3. Upon completion of the 3 letter code, you must assign a warning level to the new alert. Press the TUNE UP/DOWN to select one of the following 3 levels: WARNING, WATCH or ADVISORY.
4. Upon completion of the warning level, press the SELECT button to create the message that will accompany the warning. You can insert a 20 character letter/number text string. Use the TUNE UP/DOWN to assign a letter or number to each of the 20 spaces. Press the VOL UP/DOWN to advance or retreat within the text string.

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**To Review Alert Messages**

The CL-100 will store up to 20 alert messages in its memory. Alerts are removed automatically when the time for the event expired. If all stored alerts are active, it will replace the oldest active alert upon exceeding the memory limit. Press the TUNE UP/DOWN to view stored alerts when the LCD display is not under the main menu operation.

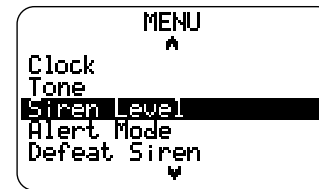


## Setting the siren volume

The CL-100 has 4 adjustable levels for the siren volume when an alert is received.

### **To Set the Siren Volume:**

1. Press the MENU button and press the TUNE DOWN to scroll down through the main menu list to the Siren Level menu.



2. Press the SELECT button to enter the Siren Level menu, then press the VOL DOWN/UP to select the desired volume setting between Low, Middle and High. With each setting the radio will sound a sample of the appropriate siren volume.



3. Press the SELECT button to save the Siren Level setting and exit to the main menu list.

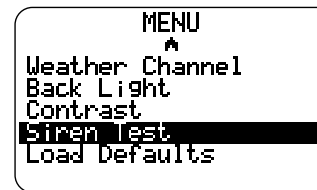
**GB**

**Siren test**

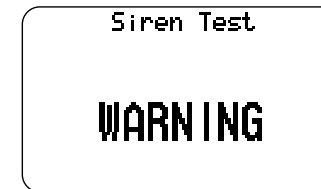
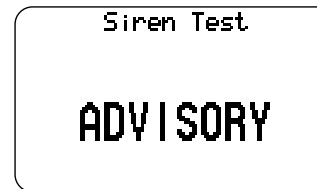
You can easily test the siren of your CL-100.

**To Test the Siren:**

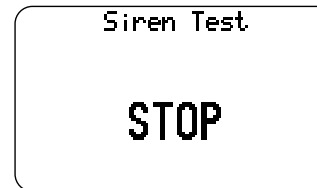
1. Press the MENU button and press the TUNE DOWN to scroll down through the main menu list to the Siren Test menu.



2. Press the TUNE UP/DOWN to test the siren. The radio will sound a sample of the siren of each warning level.



3. Choose Stop and press the SELECT button and exit to the Siren Test menu. Press the MENU button once to exit to the main menu list.



## Setting the siren mode

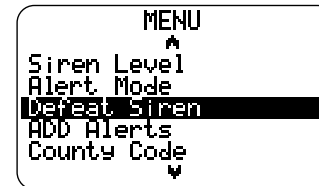
The CL-100 allows you to block the siren from sounding on some warnings that are not relevant to your area. For example, a flood warning that may be issued in your county may not affect your location. You may not want the siren to sound for a flood warning alert.

**Note: Some alerts, such as Tornado Warning, are not blockable.**

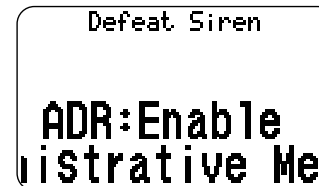
**GB**

### To Set the Siren Mode:

1. Press the MENU button and press the TUNE DOWN to scroll down through the main menu list to the Defeat Siren menu.



2. Press the SELECT button to enter the Defeat Siren menu. The words ADMINISTRATIVE MESSAGE will scroll across the bottom of the LCD display. This is the first alert on the list of alerts that NOAA can broadcast. You have the option to disable the siren to block this alert or enable to receive it. Use the VOL UP/DOWN to make your selection.



3. After setting the Defeat Siren for this alert, use the TUNE UP/DOWN to scroll through the list of alerts, following the same sequence to set the Siren Mode for each alert desired.

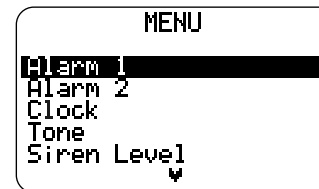
Upon selecting the Defeat Siren for the desired alerts, press the SELECT button to save and exit to the Defeat Siren prompt of the main menu list.

## Setting the Alarm Clock

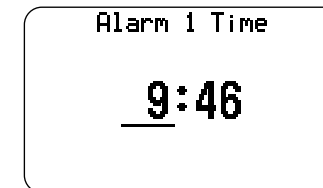
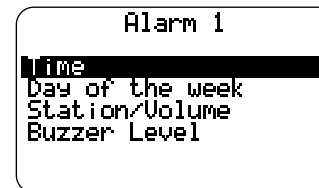
The CL-100 has two wakeup alarms as well as a snooze button to provide maximum control over your alarm clock. The default alarm sound can be radio or buzzer for both Alarm 1/Alarm 2.

### To Set Alarm 1 or Alarm 2:

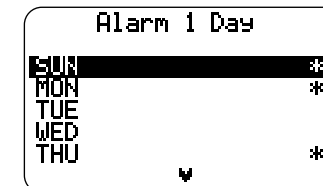
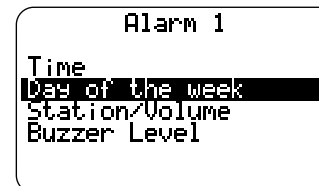
1. Press the MENU button, and press the SELECT button to enter the Alarm 1 menu. (Press the TUNE DOWN once to select Alarm 2.)



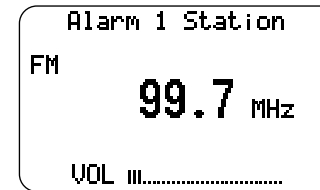
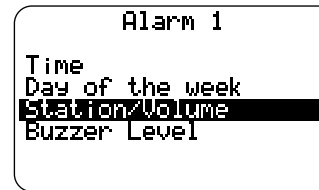
2. Choose Time and press the SELECT button, and the hour setting will begin flashing. Use the TUNE UP/DOWN to set the hour as desired. Note: the AM/PM setting is affected by the hours setting. Press the VOL UP to the minutes setting. The minutes will begin flashing. Use the TUNE UP/DOWN to set the minutes as desired.



3. Choose Day of the week and press the SELECT button, and set up the recurrence of the alarm. Press VOL UP/DOWN over a day of the week to enable/disable the Day of the week setting. When the alarm is set as desired, press the SELECT button to save the settings and exit to the Alarm 1 menu list.

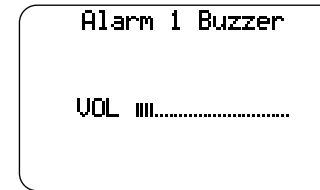
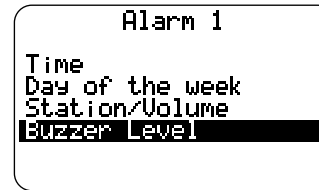


4. Select Station under Alarm 1 menu list, and press the TUNE UP/DOWN to adjust the desired radio frequency for the Alarm 1 station. Press the VOL DOWN/UP to adjust the volume for Alarm 1 station.





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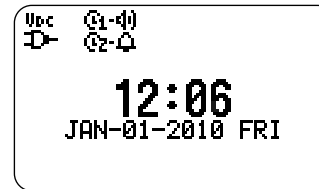
5. Select Buzzer Level under Alarm 1 menu list, and press the VOL UP/DOWN to set up the buzzer volume for Alarm 1. Repeat the instructions as above for Alarm 2.



**Note:**  
the source of alarm is according to the Alarm Switch settings.

**Turning the Alarm Clock On/Off**

The CL-100 is equipped with 2 alarms. To set the alarm time, refer to the To Set Alarm 1 or Alarm 2. To activate the alarms, push Alarm 1 Switch to “” to set Alarm 1 as radio alarm. Push the switch to the “” to set Alarm 1 as buzzer alarm. Push the switch to “Off” to disable the alarm.



Follow the same instructions as above for operating Alarm 2.

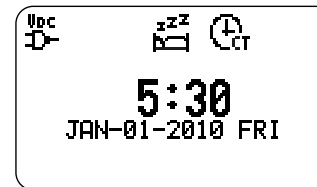
### **Snooze Function**

When an alarm is functioning, the unit will alarm for 60 minutes unless stopped by pressing the SNOOZE button, STANDBY button or Alarm switches.

1. When an alarm is sounding, the alarm icon on the upper left corner of the LCD display will be highlighted. Press the SNOOZE button while an alarm is sounding, and the sounding alarm will be silenced for 5 minutes.
2. The Snooze icon “ZZZ” will appear on the LCD display when a sounding alarm is silenced by Snooze function.

#### **Note:**

When an earphone is plugged into the radio, the sound of alarm buzzer and the sound of alert siren will become beeping sound instead through the speaker. When hearing a beeping sound through the radio speaker, please be mindful and check the LCD display to ensure if it's a sounding alarm or if it's an alert message.



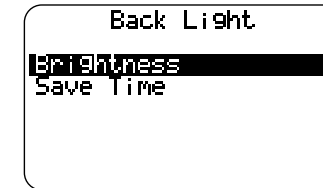
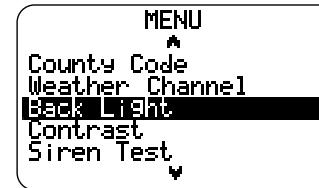


## Set Backlight and Contrast

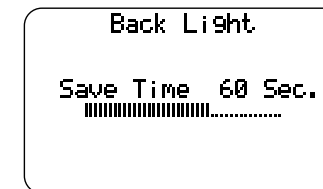
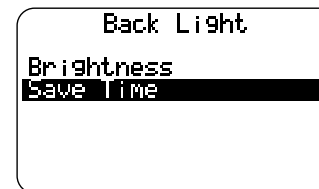
The backlight for the CL-100 has an adjustable setting.

### To Set the Backlight:

1. Press the MENU button and press the TUNE DOWN to scroll down through the main menu list to the Back Light menu. Then press the SELECT button to enter the Back Light menu. The LCD display will show Brightness and Save Time.
2. Select Brightness, and press VOL UP/DOWN to set up between the 4 levels of backlight brightness: Off, little brightness, average brightness and highest brightness.
3. Select Save Time, and press VOL UP/DOWN to adjust the backlight duration time from 10 sec to 90 sec with an interval of 2 seconds
4. Press the SELECT button to save the Back Light setting and exit to the Back Light menu. Press the MENU button once to exit to main menu list.

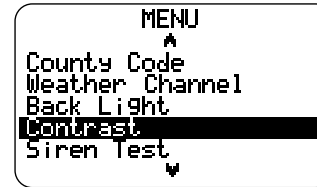


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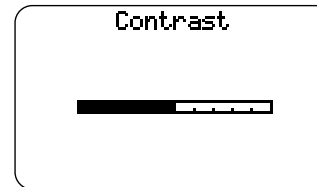


**To Set the Contrast:**

1. Press the MENU button and press the TUNE DOWN to scroll down through the main menu list to the Contrast menu.

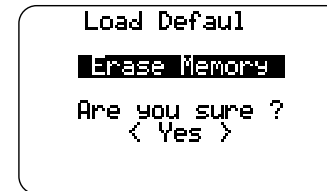
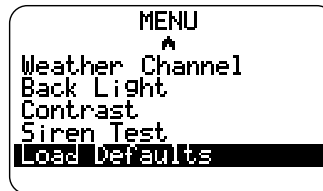


2. Press the SELECT button to enter the Contrast menu. Press the VOL UP/DOWN to adjust the Contrast level. Press the SELECT button to save the setting. Press the MENU button to exit to main menu list.



### To Erase Memory

1. To erase the stored setting in your CL-100, press the MENU button and press the TUNE DOWN to scroll down to the Load Default menu. Press the SELECT button, and the LCD display will show as below:
2. Press the VOL UP/DOWN button to choose Yes or No. Choose Yes and then press the SELECT button, and your stored setting in the CL-100 will be erased. The setting will reset to default value.

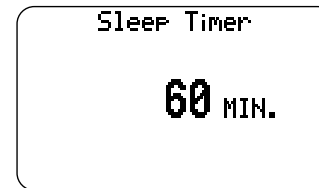



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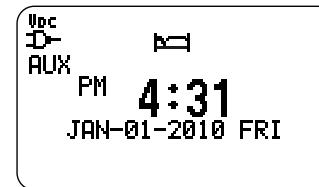
## Setting Sleep Timer

Your radio can be set to turn off after a preset time has elapsed. The sleep timer function can be adjusted between 15, 30, 45, 60, 90 and 120 min.

1. When using your radio, press and hold the STANDBY button until the LCD display show the following:



2. Continue holding the STANDBY button and the Sleep Timer will automatically start switching between the 6 settings. Release the STANDBY button when the setting switches to the time desired to set as the preset sleep time. The sleeper icon "  " will appear on the LCD display.



3. Your radio will switch off after the preset time has elapsed. To cancel sleep timer, simply press the STANDBY button to turn off your radio.

## System Version

To find out the system version of your CL-100, press the MENU button and then press SELECT to scroll down to the end of main menu list. Press the SELECT button to enter the System Version menu, and the number and date of your CL-100 system version will show on the LCD display.

## Alert Description Table

The table below lists the alerts broadcast by NOAA. Your radio has been factory programmed with the following alerts. Some NOAA alerts are unblockable. \*(UB)=Unblockable

Code	Message	Code	Message
ADR	Administrative message	AVA	Avalanche Watch
AVW	Avalanche Watch	BHW	(UB) Biological Hazard Warning
BWW	Boil Water Warning	CAE	Child Abduction Emergency
BZW	Blizzard Warning	CEM	(UB) Civil Emergency Message
CDW	(UB) Civil Danger Warning	CFW	Coastal Flood Warning
CFA	Costal Flood Watch	CWW	(UB) Contaminated Water Warning
CHW	(UB) Chemical Hazard Warning	DBW	(UB) Dam Break Warning
DBA	Dam Watch	DMO	Practice / Demo
DEW	(UB) Contagious Disease Warning	EAN	(UB) Emergency Action Notification
DSW	Dust Storm Warning	EQW	(UB) Earthquake Warning
EAT	(UB) Emergency Action Termination	EVA	Evacuation Watch
EVI	(UB) Immediate Evacuation	FCW	(UB) Food Contamination Warning
FFA	Flash Flood Watch	FFW	Flash Flood Warning
FFS	Flash Flood	FLS	Flood Statement
FLA	Flood Watch	FRW	Fire Warning
FLW	Flood Warning	FZW	Freeze Warning
FSW	Flash Freeze Warning	HLS	Hurricane Statement
HMW	(UB) Hazardous Mat. Warning	HUW	(UB) Hurricane Warning
HUA	Hurricane Watch	HWW	High Wind Warning
HWA	High Wind Watch	IFW	(UB) Industrial Fire Warning
IBW	Iceberg Warning	LEW	(UB) Law Enforcement Warning
LAE	(UB) Local Area Emergency	NIC	National Information Center
LSW	(UB) Land Slide Warning	NPT	National Periodic Test

**GB**

Code	Message	Code	Message
NAT	National Audible Test	NUW	(UB) Nuclear Plant Warning
NMN	Network Notification Message	RMT	Required Monthly Test
NST	National Silent Test	RWT	Required Weekly Test
POS	Power Outage Advisory	SMW	Special Marine Warning
RHW	(UB) Radiological Hazard Warning	SPW	(UB) Shelter In-Place Warning
SPS	Special Weather Statement	SVR	Severe Thunderstorm Warning
SVA	Severe Thunderstorm Watch	TOA	Tornado Watch
SVS	Severe Weather Statement TOA	TOR	(UB) Tornado Warning
TOE	911 Telephone Outage	TRW	(UB) Tropical Storm Warning
TRA	Tropical Storm Watch	TSW	(UB) Tsunami Warning
TSA	(UB) Tsunami Watch	TXF	Transmitter Carrier On
TXB	Transmitter Backup On	TXP	Transmitter Primary On
TXO	Transmitter Carrier Off	WFA	Wild Fire Watch
VOW	(UB) Volcano Warning	**A	Unrecognized Watch
WSA	Winter Storm Watch	**S	Unrecognized Statement
**E	Unrecognized Emergency	***	Unrecognized Message
**W	(UB) Unrecognized Warning	WFW	(UB) Wild Fire Warning
10D	10 Day Sentry	WSW	Winter Storm Warning

## CL-100 Specifications

### **WEATHER BAND CHANNELS**

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

### **POWER REQUIREMENTS**

6V DC 400mA (120V power adapter)

4AA Alkaline, Ni-Cad or NiMH Batteries (not included)

WB Antenna: 21" Telescopic Rod Antenna

Size: 18 (L) X 12 (W) X 4.7 (D) cm

**GB**



## One Year Limited Warranty

SANGEANAMERICA, INC., will repair or replace, at its option without charge, your CL-100 weather alert radio which fails due to a defect in material or workmanship within one year following the initial consumer purchase.

This warranty does not include any antennas, which may be a part of or included with the warranted product, or the cost of labor for removal or re-installation of the product in a vehicle or other mounting.

Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, along with a copy of the original sales receipt, to SANGEAN AMERICA, INC, Warranty Service Department, 2651 Troy Avenue, South El Monte, CA 91733.

**Note:**

The above warranty applies only to merchandise purchased in the United States of America or any of the territories or possessions thereof, or from a U.S. Military exchange. For warranty coverage on merchandise purchased elsewhere ask your dealer.

**FCC COMPLIANCE INFORMATION:**  
**SANGEAN S.A.M.E. Weather Monitor**  
**Model: CL-100**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received including interference that may cause undesired operation.



## Glossary

AM/FM	Amplitude Modulated / Frequency Modulated.
Band	A specific range of wavelengths or frequencies where radio stations are located. The AM band is 520-1710 kHz, the FM band is 87.5-108.0 MHz.
dB	Decibel. A unit used to express relative difference in power or intensity.
FCC	Federal Communications Commission Agency charged with regulating interstate and international communications by radio, television, wire, satellite and cable. <a href="http://www.fcc.gov">www.fcc.gov</a>
FIPS	Federal Information Processing System.
kHz	Kilohertz. A unit of frequency equal to 1000 hertz.
LCD	Liquid Crystal Display.
LED	Light Emitting Diode.
NOAA	National Oceanic and Atmospheric Administration. Environmental data services, and provides a reference library for students, teachers, and researchers. <a href="http://www.noaa.gov">www.noaa.gov</a>
NWR/ SAME	National Weather Radio / Specific Area Message Encoding.
NWS	National Weather Service. Current weather conditions, forecasts, warnings, and weather safety. Offers maps, radar and satellite images, numerical models, and educational resources. <a href="http://www.nws.noaa.gov">www.nws.noaa.gov</a>
Ohm	A unit of electrical resistance equal to that of a conductor in which a current of one ampere is produced by a potential of one volt across its terminals.
SAME	Specific Area Message Encoding.
WX Channels	Weather channels.

**GB**