Emerson™

1 WARNING

TO PREVENT ELECTRIC SHOCK HAZARD, DO NOT CONNECT TO MAINS POWER SUPPLY WHILE GRILLE IS REMOVED.TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
ATTENTION RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR	

WARNING : SHOCK HAZARD - DO NOT OPEN

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

AVIS:RISQUE DE CHOC ÉLECTROCUTION

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

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

☐ This is CLASS II apparatus with double insulation, and no protective earth provided.

The Caution Marking and Rating plate are located at the bottom enclosure of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

1.) Read these instructions. Keep these instructions. Follow all instructions. Heed all warnings.
2.) Do not use this apparatus near water.
3.) Clean only with dry cloth.
4.) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6.) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
8.) Only use attachments / accessories specified by the manufacturer.
9.) Unplug this apparatus during lightning storms or when unused for long periods of time.
10.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11.) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12.) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
13.) Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
14.) Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
CAUTION: Danger of explosion if battery is incorrectly inserted. Replace only with the same or equivalent type.

⚠ WARNING

WARNING
Do not ingest the battery,Chemical Burn Hazard
This product contains a coin/button cell battery.
If the coin/button is swallowed,it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children.
If the battery compartment does not close securely,stop using the product and keep it away from children.
If you think batteries might have been swallowed or placed inside any part of the body,seek immediate medical attention.

2 Important Notes

- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as: electric heaters, on top of other stereo equipment that radiates heat, places lacking ventilation, dusty areas, places subject to constant vibration and/or humid or moist areas.
- Operate controls and switches as described in the manual.
- Before turning on the power, make certain that the AC adapter is properly installed.
- When moving the set,be sure to first disconnect the AC adapter.

FCC Information

Thank you for purchasing this Emerson SmartSet® Dual Alarm Clock Radio. This clock uses Emerson's patented SmartSet® Automatic Time Setting System. The first time you connect this clock to your AC outlet, and after every power interruption, within seconds the clock will automatically set itself to the correct Year, Month, Date, Day, and Time. In addition,all changes from Standard Time to Daylight Saving Time, and back to Standard Time, are made automatically. There are dual alarms that can be set and used independently, and both of the alarms can be programmed for everyday operation, weekdays only, or weekends only. There is a long life lithium battery installed in this clock when you buy it. This battery can maintain the time and alarm settings for 1 to 2 years, or even longer. We have taken every precaution to make sure this clock was in perfect working order when it left our factory. If you encounter any problems with the set up or operation of this item, please contact a service center.

3 Preparation For Use

- Remove the clock from the carton and remove all packing material from the clock.Save the packing material,if possible,in case the clock ever needs to be serviced or transported.The original carton and packing material is the only safeway to pack your clock to protect it from damage in transit.
- Remove any descriptive labels or stickers on the front or top of the cabinet, if any.
  Do not remove any labels or stickers from the back or button of the cabinet.
- Note the serial number on the bottom of your clock and write this number in the space provided on the Warranty page of this manual.
- Place your clock on a level surface such as a table, desk or shelf, convenient to an AC outlet, out of direct sunlight, and away from sources of excess heat, dirt, dust, moisture, humidity, or vibration.
- Unwind the antenna wire and extend it fully.

Protect Your Furniture

This model is equipped with non-skid rubber 'feet'to prevent the product from moving when you operate the controls. These'feet'are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives,or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture.To prevent any damage to your furniture we strongly recommend that you purchase small self adhesive felt pads, available at hardware stores and home improvement centers everywhere,and apply these pads to the bottom of the rubber'feet' before you place the product on fine wooden furniture.

Power Source

This clock is designed to operate on normal 120V 60Hz AC power only. Do not attempt to operate the clock on any other power source. You could cause damage to the clock that is not covered by your warranty. This clock should be connected to an AC outlet that is always'live'. Do not connect it to an outlet that is controlled by a wall switch. When the power to the clock is interrupted, the built in lithium battery takes over to maintain the time and alarm settings. To maximize the life of the lithium battery keep the clock connected to a 'live' AC outlet at all times.

4 Package Contents

- CKS1521 Clock Radio

5 Location of Controls and Indicators

FRONT PANEL

TOP PANEL
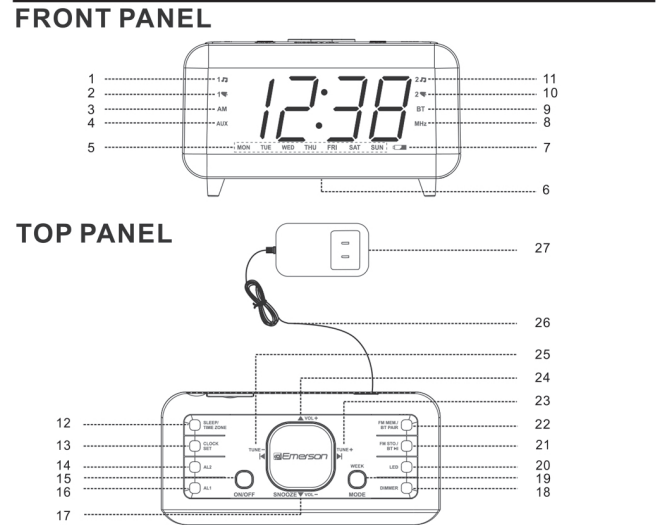
REAR PANEL

1. 1♫ (AL 1'Radio') Alarm Indicator
2. 1🔔 (AL 1'Buzzer') Alarm Indicator
3. AM Indicator.('On'=AM;'Off'=PM)
4. AUX Indicator
5. DAY OF WEEK Indicators
6. LED Décor
7. 🔋 LOW BATTERY Indicator
8. MHz FM Radio Indicator
9. BT Indicator ('Solid'=Bluetooth connected)
10. 2🔔 (AL 2 'Buzzer') Alarm Indicator
11. 2♫ (AL 2 'Radio') Alarm Indicator
12. SLEEP/TIME ZONE Button
13. CLOCK SET Button
14. AL2 ON/OFF/SET Button
15. ON/OFF ('ON'/Standby)Button
16. AL1 ON/OFF/SET Button
17. ▼ DOWN/VOL-/SNOOZE Button
18. DIMMER Button
19. MODE/WEEK Button
20. LED Décor Button
21. FM STO.(STORE)/BT▶II Button
22. FM MEM.(MEMORY) /BT PAIR Button
23. ▶I TUNE+ Button
24. ▲ UP/VOL+ Button
25. I◀ TUNE- Button
26. Adapter Cable (acts as FM antenna)
27. AC Adapter
28. USB Charging Port
29. Speaker
30. AUX IN Jack
31. Backup Battery Holder

6 Setting the Time Zone

Initial Default Setting at Clock Mode

IMPORTANT: The first time you connect your new SmartSet®clock to the AC outlet the internal computer will automatically set the time correctly for the Eastern Time Zone, which is the initial default setting. The display will scan for a few seconds and then show the correct Day and Time in the Eastern zone. If you live in the Eastern Time zone, there's nothing else to do. Your clock is set correctly and running. If you do not live in the Eastern Time zone you must change the default zone display to your own zone. You only do this one time and the SmartSet® will remember the new default time zone setting and will always return to that setting after power interruption.

There are 7 time zones programmed into your SmartSet® clock as follows:

ZONE 1 -Atlantic Time ZONE 2 -Eastern Time (Default Setting)
ZONE 3 -Central Time   ZONE 4 -Mountain Time
ZONE 5 -Pacific Time   ZONE 6 -Yukon (Alaska)
ZONE 7 -Hawaii

To view the current zone number, press the TIME ZONE button briefly and then release.

To change default time zone, press and hold the TIME ZONE button, and then press the I◀ or ▶I button briefly until your desired time zone appears on the display, then release all the buttons.
Note: Time zone and clock settings can only be adjusted in Standby mode, where the function of Radio, Bluetooth and AUX are disabled (i.e. indicator of MHz, BT and AUX are 'Off').

7 Setting the Clock Manually

Checking the Current Year-Date-Day of Week-Time Settings
Press briefly the CLOCK SET button repeatedly to see the cycle of year, date, day of week and time. To restore time display mode, leave it idle for 3 secs.

Setting the Year

① Press and hold the CLOCK SET button until the Year 'Flashes', then release the button;
② Press the I◀ or ▶I button to adjust Year;

Setting the Date

③ Press the CLOCK SET button again and release, the Date 'Flashes';
④ Press the I◀ or ▶I button to adjust the Month;
⑤ Press the ▲ or ▼ button to adjust the Date;
   For example, April 16th will appear as '4.16';

Setting the Time

⑥ Press the CLOCK SET button again and release, the Hour 'Flashes';
⑦ Press the I◀ or ▶I button to adjust the Hour (where AM indicator 'On' is AM, 'Off' is PM);
⑧ Press the ▲ or ▼ button to adjust the Minutes;
⑨ Press the CLOCK SET button again, or leave it idle for few seconds, to store all new settings and restore it to time display mode.

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8 Daylight Saving and Leap Year Adjustment

All Daylight Saving Time (DST) and Leap Year adjustment are made automatically by the SmartSet® internal computer as follows:

Start of Daylight Saving time:
At 2:00 AM on the 2nd Sunday in March, the clock will automatically advance to 3:00 AM

End of Daylight Saving time:
At 3:00 AM on the 1st Sunday in November, the clock will automatically reset to 2:00 AM

Turn Daylight Saving Function Off / On (in standby mode only):
Daylight Saving Time is NOT observed in Hawaii, American Samoa, Guam, Puerto Rico, the Virgin Islands and in, most of Arizona, with exception of the Navajo Indian Reservation in Arizona.
If you do not want the clock to adjust itself automatically according to Daylight Saving Time, you can disable it by pressing and holding the LED button for 5 secs, the display will show DST start date of current year , which means the auto Daylight Saving Time is enabled ('On' by default). Press either the I◀ or ▶I button to toggle this DST start date between 'OFF' and 'On'. Press the LED button again to display the DST end date of current year, which can be disabled by pressing either the I◀ or ▶I button to toggle this DST end date between 'OFF' and 'On'. Press the LED button briefly or leave it idle for 5 secs to save the new settings and resume to clock mode.

Leap Year:
At 12:00 Midnight on February 28th, the calendar display will change to"2.29".

9 Setting the Alarm

IMPORTANT: Alarm settings can be adjusted in Standby mode only.
Your clock radio has two separate alarms Alarm1 (AL1) and Alarm2 (AL2) that can be set and used independently. You may use the alarms to wake two persons at different times, or you may use one alarm for weekdays and the other one for weekends. Please ensure that you have set the wake up time and alarm week mode correctly.

Adjusting the Wake Up Time
The procedure for adjusting the wake up time is the same for both Alarm1 and Alarm2.
- Press and hold either the AL1 or AL2 button until the display blinks and change from the current time to the Alarm1 or Alarm2 wake up time.
- Release the AL1 (AL2) button, press the I◀ or ▶I button to adjust Hour, press the ▲ or ▼ button to adjust Minutes.
- Press the WEEK button repeatedly to adjust Alarm Week Mode if necessary.
- Press the AL1 (AL2) button again to store the alarm setting.

Note: Be sure that you have set the wake up time correctly by observing the AM indicator. If the AM indicator is 'On' the wake up time is "AM". If it is 'Off', the wake up time is "PM".

Selecting the Alarm Week Mode
Your SmartSet® clock radio allows you to select from three different alarm week modes for each alarm. The Alarm Week Modes are:
- **Everyday** - the alarm will turn on all 7 days
- **Weekdays only** - the alarm will only turn on Monday through Friday
- **Weekends only** - the alarm will only turn on Saturday and Sunday
- If all 7 indicators are 'On', the Everyday mode is selected.
- If only the MON (Monday) through FRI (Friday) indicators are 'On', the Weekdays only mode is selected.
- If only the SAT (Saturday) and SUN (Sunday) indicators are 'On', the Weekends only mode is selected.

Checking the Wake Up Time and Alarm Week Mode
Press and hold the AL1(AL2) button until the display blinks and shows the wake up time. Press the AL1(AL2) button to resume to clock mode.

Activating and Deactivating the Alarm
- Press the AL1 or AL2 button repeatedly to select your desired Alarm Mode: Wake to Radio, Wake to Buzzer, or Off.
- When the `1♫/2♫` indicator glows, the wake up to Radio alarm will be On.
- When the `1🔔/2🔔` indicator glows, the wake up to Buzzer alarm will be On.
- To completely turn Off the alarm, press the AL1 or AL2 button repeatedly until the Radio `1♫/2♫` indicator or the Buzzer `1🔔/2🔔` indicator is Off.

Wake to Radio settings
The procedure to set the Alarm to wake to Radio is the same for Alarm 1 and Alarm 2:
- Press the ON/OFF button to turn the unit On.
- Press the MODE button and select FM Radio mode.
- Tune in or recall from memory the desired Radio station you wish to hear when the alarm comes On.
The factory default level for wake to Radio is V08(volume increases gradually from V00 to V08 at wake-up time). For a louder alarm volume at wake-up time above V08, please perform the following alarm settings:
- Press ON/OFF botton to turn the unit On.
- Press the MODE button and select FM Radio mode.
- Tune in or recall the desired Radio station you wish to hear when the alarm comes On.
- Select VOL+ or VOL- to set the desired volume level above V08 you wish to hear when the alarm comes On *(volume increases gradually from V00 to the desired volume level at wake-up time selected)*.
- Turn the unit Off, and the unit goes to Standby mode and memorizes the last volume level before it was turned Off.

Wake to Buzzer settings

The procedure to set the Alarm to wake to Buzzer is the same for Alarm 1 and Alarm 2. **The factory default level for wake to Buzzer is V08 (volume increases gradually from V00 to V08 at wake-up time).** For a louder buzzer volume level at wake-up time above V08, please perform the following alarm settings:
· Press the **ON/OFF** button to turn the unit On.
· Press the **MODE** button and select FM/BT or AUX modes.
· Select **VOL+** or **VOL-** to set the desired volume level above V08 you wish to hear when the alarm comes On *(the buzzer's volume increases gradually from V00 to the desired volume level at wake-up time selected).*
· Turn the unit Off. The unit goes to Standby mode and memorizes the last volume level before it was turned Off.

Snooze Alarm

When the alarm comes On, press the **SNOOZE** button to pause it for 9 minutes. Alarm indicator will flash during Snooze Alarm mode. To turn off Snooze Alarm, press either the **ON/OFF**, **AL1**, or **AL2** button once.
Note:If not turned off, the Snooze Alarm will only be active for one hour.After Snooze Alarm turned Off, the alarm will come On again same time next day (depends on your Alarm Week Mode setting).
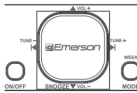
10   Listening to FM Radio

· For better reception, fully extend and adjust the position and direction of the AC adapter cord that acts as an FM antenna.
· Press the **ON/OFF** button to turn the unit from Standby mode to On.
· Press the **MODE** button repeatedly until the **MHz** indicator turns 'On', and the FM station frequency displays.
· Set the VOLUME by pressing the **VOL +** or **VOL -** button to a level that suits your needs.
· When you finish listening to radio, press the **ON/OFF** button to turn the radio Off. The **MHz** indicator will then turn 'Off'.

Receive your desired station with the TUNING control:
· Press the **TUNE +** / **TUNE -** button briefly, the receiving frequency will increase / decrease by one step.
· Press and hold the **TUNE +** / **TUNE -** button for 3 seconds then release, Auto Station Seeking will be engaged, the receiving frequency will increase / decrease automatically until a station with acceptable reception is found.
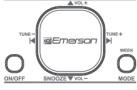
Storing and Recalling Radio Station Memory Manually
When you have a few favorite radio stations to listen to, you may like to save them in specific memory locations and pick one of them in a few seconds without the need of searching it each time. Our digital tuning technology allows you to do this easily by following the steps listed below:

Storing Station to the Memory
· Turn the unit On and select Radio mode (**MHz** indicator 'On').
· Tune in the desired station by the TUNING control as described.
· Press and hold the **FM STO.** button (for 2 seconds) until 'P XX' blinks, indicating the memory location to store the station currently tuned in.
· While 'P XX' is blinking, press the **TUNE +** or **TUNE -** button can change the memory location from 1 through 20. For example, 'P 03' means the current listening station is about to be stored into the 3rd location of the memory.
· After deciding the memory location, press the **FM STO.** button again, the currently listening station is then stored accordingly.
· The display will show the frequency of the station, and after a few seconds, it will restore the current time.

Recalling Station from the Memory
· Turn the unit On and select Radio mode.
· Press the **FM MEM.** button, 'P XX' shows on the display, and the station according to the memory location will then be tuned in.
· Repeatedly pressing the **FM MEM.** button or the **TUNE +** / **TUNE -** button will change the memory location from 1 through 20, and the station stored in the location will then be tuned in once the memory location is selected and all buttons released.
· The display will show the frequency of the station, and then returns to the current time after a few seconds.

11   Listening to Bluetooth Speaker

· Press the **ON/OFF** button to turn the unit ON.
· Press the **MODE** button to select Bluetooth (bt) mode (BT indicator 'Flashes' for pairing).
· Enable your Bluetooth device and select **CKS1521** from its Available/Paired device list. If pairing successful, the unit will prompt and **BT** indicator will become solid.
· Automatic connection with your Bluetooth devices is possible if they have been paired successfully with this unit before.
· After paired, you can play your music through this Bluetooth Speaker.
· Press briefly the **BT** ▶ǁ button can pause or resume playback streaming over your Bluetooth device.
Note: If pairing is unsuccessful, all previously paired Bluetooth devices around should be disconnected first by pressing and holding the **BT PAIR** button until it prompts, or by turning Off their Bluetooth connection, in order to avoid making any auto reconnection between them. Then, set this unit to Bluetooth mode, and tap the Bluetooth switch on your phone/device Off and back On again to refresh/search any nearby **CKS1521** for pairing.
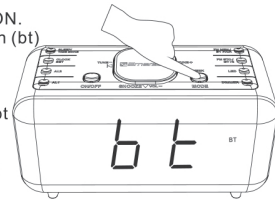
## 12   Enjoying Audio Sources via AUX IN Jack

3.5mm stereo audio plug
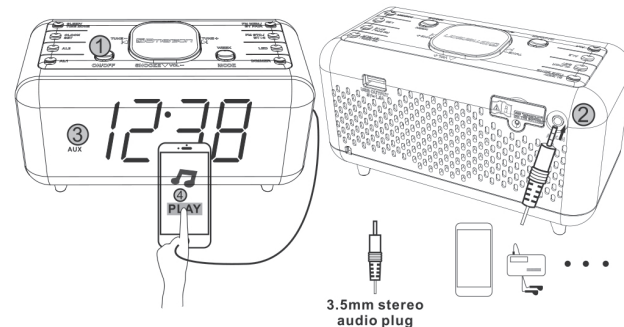
This clock radio is equipped with an AUX IN jack for you to enjoy iPod, MP3 music player or other audio sources.
• Connect your iPod, MP3 player or other audio source from its earphone jack to the AUX IN jack of this unit via an audio cable (not included) with both ends in 3.5mm stereo plug.
• AUX indicator will light on after you power on the unit and change to AUX mode by pressing the **MODE** button.
• Start to play iPod, MP3 music player or other audio player, and set the player volume to its maximum when necessary.
• Adjust the volume of this clock radio to meet your desired level as well.

Note: When alarm time comes, music playing through the AUX IN jack will be muted, and Wake-To-Music or Wake-To-Buzzer can only be heard according to your alarm setting.

13   Sleeping to Music Timer

Press the **ON/OFF** button to turn ON the unit, and press the **MODE** button to select either FM Radio, Bluetooth or AUX mode to play music or listen to radio.
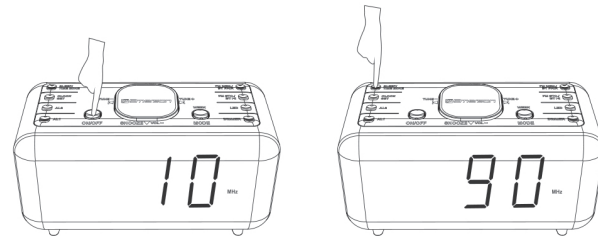
· Press the **SLEEP** button. The display will show the sleep timer.
· Press the **SLEEP** button repeatedly to choose your desired sleep timer (10-90 minutes or OFF).
Note: When you change the sleep timer from the 10-minute default timing to a different setting, this new setting becomes the default timing.
· To display the sleep timer during count down process, press the **SLEEP** button.
· To cancel the sleep timer during count down process, press the **ON/OFF** button to shut Off the unit.

14   USB for Charging

This clock radio has a USB port at the back, which can provide up to 5V 1.5A to charge devices like smartphones, tablets, etc., via a USB cable (not provided).
Note: Electrical energy drawn from the USB port may vary due to different charging cable condition, battery characteristic or power management system of your device being charged.
Over current protection may occur, such as power shut down, when your device overdraws extremely high charging current (over 1.5A) from this USB port. However, such over current protection can be recovered once your device is disconnected from this USB port or having the loading current reduced (below 1.5A).
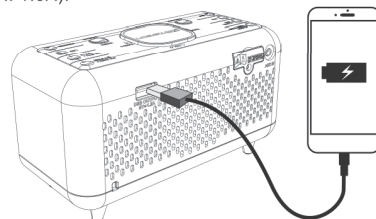
15   Auto Dimmer and 3-Level Dimmer Control

Press the **DIMMER** button while in standby mode to select any of the three levels L-3 (high), L-2 (medium) and L-1(low).**To use Automatic Dimmer function, press the DIMMER button repeatedly until it displays 'AU'.**
It will then automatically adapt clock display brightness based on ambient lighting conditions to make display appear consistent in different environments without the need of pressing the **DIMMER** button manually. It also can be adjusted when the Bluetooth, Radio or AUX is On.
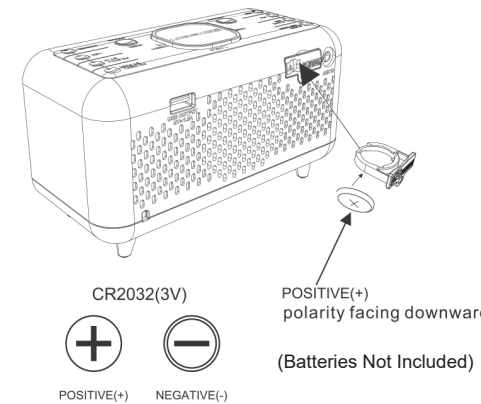
16   2-Level LED Décor

Press the **LED** button to turn the night LED ON(high/low level) or OFF when needed.
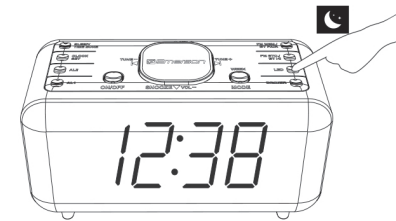
17   Changing the Lithium Battery

CR2032(3V)   POSITIVE(+) polarity facing downward

(Batteries Not Included)

POSITIVE(+)   NEGATIVE(-)

The lithium backup battery needs replacement when the LOW BATTERY indicator flashes, otherwise, the time and alarm settings will be lost/reset after a power outage.
· Leave the AC adapter connected to your AC outlet to retain memory while the original battery is removed.
· Unscrew the battery holder from the cabinet with a small screwdriver and insert a new battery with the same CR2032 or equivalent type into the holder the same way, observing the positive (+) polarity before sliding the holder back into the slot. The LOW BATTERY indicator should then be Off.

⚠ℹ WARNING

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

• Accessory type and quantity may vary depending on the model.

• The image shown here is for illustrative purposes only and may be subject to change.

18   Care and Maintenance

Care Of Cabinets
If the cabinet becomes dusty,wipe it with a soft cloth.If the cabinet becomes smudged or dirty, clean it with a soft, slightly dampened cloth . Never allow water or any liquid to get inside the cabinet. Never use any abrasive cleaners or cleaning pads as these will damage the finish of your radio.
Lithium Battery Precautions
• Dispose of the old battery properly.Do not leave it lying around where a young child or pet could play with or swallow it. If the battery is swallowed, contact a physician immediately.
• The battery may explode if mistreated. Do not attempt to recharge it or disassemble it.Do not dispose of the old battery in a fire.

19   IC Information

This device complies with Industry Canada Licence-exempt RSSs. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

20   Specifications

AC Power Supply: AC 120V 60Hz 15W.
Battery Backup: CR2032 Lithium Metal Battery.
Output Power: 1 Watt (4Ω Speaker) @10% THD.
Tuner Range | Preset Stations: FM 87.5~108MHz | 20 stations.
Bluetooth Technology | Range: 5.1 | 32.8 ft (10 m) in free space.
USB Port Charging Output: DC 5V / 1.5A.
Operating Temperature: 32~104°F (0~40℃).
Dimensions: 6.22"W x 2.95"D x 3.54"H (158W x 75D x 90H mm).
Specifications are subject to change without notice.