



# 15 Watt Wireless Charging SmartSet® Dual Alarm Clock Radio with NOAA Weather Band, USB Type C and Type A Charging Port and Temperature Display

(SmartSet® Patent No. 6,567,344)

## OWNER'S MANUAL

### WBS12



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To obtain a manual in Spanish, please download it from our website:  
<https://www.emersonradio.com/documents/>

## 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.**  
**POUR ÉVITER TOUT DANGER DE CHOC ÉLECTRIQUE, NE PAS RACCORDER AU SECTEUR TANT QUE LA GRILLE N'APAS ÉTÉ EN PLACE. POUR RÉDUIRE LE RISQUE D'INCENDIE OU DE CHOC ÉLECTRIQUE, NE PAS EXPOSER CET APPAREIL SOUS LAPUIE ET L'HUMIDITÉ.**

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

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

**CAUTION** This is CLASS II apparatus with double insulation, and no protective earth provided.  
The Caution Marking and Rating label are located at the bottom enclosure of the apparatus.  
Les précautions sont inscrites en arrière du boîtier. Les précautions doivent être lues en arrière de l'appareil.

## IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions. Keep these instructions. Follow all instructions. Heed all warnings.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.
- 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.
- 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.
- Mains plug is used as a 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.
- Warning shall not be exposed to excessive heat such as sunshine, fire or the like.

**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.  
**PRÉCAUTION:** Danger of explosion si les piles sont remplacées de façon incorrecte. Remplacer les piles seulement par le même type de pile ou l'équivalent.

La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation.  
Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.  
Les piles ne doivent pas être exposées à de forte chaleur, tel qu'à la lumière du soleil, au feu ou autres choses de semblable.  
La prise du secteur est utilisé pour déconnecter le système.  
La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation.  
Pour être complètement déconnecté de l'alimentation d'entrée, l'adaptateur AC/AC de l'appareil ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation.  
L'adaptateur AC/AC de l'appareil est utilisé pour déconnecter le système.  
L'adaptateur AC/AC de l'appareil ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation.  
Pour être complètement déconnecté de l'alimentation d'entrée, l'adaptateur AC/AC de l'appareil doit être débranché du secteur.  
• minimum distances 10 cm around the apparatus for sufficient ventilations.  
10cm de distance minimale autour de l'appareil pour une ventilation suffisante.  
• the ventilations should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.  
L'utilisation de l'appareil dans un climat tropical, séjour modes.  
Maximum recommended ambient temperature is 25°C.  
The socket outlet shall be installed near the equipment and shall be easily accessible.  
Le socle de prise de courant doit être installé à proximité du matériel et doit être aisément accessible.  
L'appareil ne doit pas être exposé à des agoulements d'eau ou des éclaboussures et de plus qu'un objet interdit de liquides tels que des vases ne doit être placé sur l'appareil.  
lorsque la prise du RESEAU D'ALIMENTATION sur l'appareil est utilisée comme appareil de déconnexion, cet appareil doit demeurer aisément accessible.  
les batteries ne doivent pas être exposées à une chaleur excessive telle que celle du soleil, d'un feu ou d'origine similaire.

## DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD

**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.

**AVERTISSEMENT**  
Ne pas ingérer la pile, Danger de brûlure chimique  
Ce produit contient une pile bouton. Si la pile bouton est avalée, elle peut provoquer de graves brûlures internes en 2 heures seulement et peut entraîner la mort.  
Conservser les piles neuves et usées hors de portée des enfants.  
Si le compartiment pile ne se ferme pas correctement, cessez d'utiliser le produit et tenez hors de portée des enfants.  
En cas de doute concernant le fait que les piles pourraient avoir été avalées ou introduites dans une partie quelconque du corps, consultez immédiatement un médecin.

## 2 Important Notes

- Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as stoves, 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 Warning

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 undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
—Reorient or relocate the receiving antenna.  
—Increase the separation between the equipment and receiver.  
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
—Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Refer to FCC Part 18.213(c) and KDB 784748 Annex A section A.5:  
(a) Max. Electric Field Emissions: 3.58V/m  
Max. Magnetic Field Emissions: 0.26A/m  
(b) The maintenance of the system is the responsibility of the manufacturer.  
(c) To prevent interference, the product should be as far away from devices operating at the same frequency as possible.

## 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 re-shipped or transported. The original carton and packing material is the only safety to pack your clock to protect it from damage in transit.**

- Remove any descriptive labels, stickers or protective films on the front or top of the cabinet, if any.
- Do not remove any labels or stickers from the back or bottom 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 or on 4 AAA batteries (for emergency use 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.

**Battery Operation**  
1. Open the Battery Door on the bottom of the radio.  
2. Following the polarity (+ and -) diagrams shown inside the battery compartment, insert 4 'AAA' (UM-4) batteries (not included).  
Note: For optimum performance, alkaline-type batteries are recommended.  
3. Replace the Battery Door.

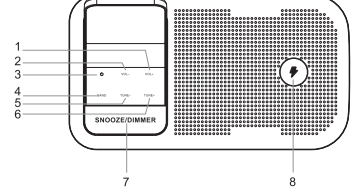
**IMPORTANT:** Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.

**BATTERY NOTE AND CARE**  
Danger of explosion if the battery is re-placed incorrectly. Replace only with the same or equivalent type.  
Do not mix old and new batteries.  
Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.  
If the unit is not to be used for an extended period of time, remove the battery. Any old or leaking battery can cause damage to the unit and may void the warranty.  
Do not dispose of batteries in fire, batteries may explode or leak.  
Do not try to recharge batteries not intended to be recharged; they can overheat, rupture and leak (Follow battery manufacturer's directions).  
Only an adult should replace the batteries.

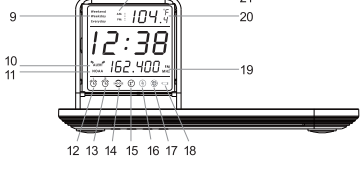
**LOW BATTERY INDICATOR**  
When using battery power to operate this unit and the battery power becomes weak, the low battery icon (⚡) will appear on the display. We recommend you replace the exhausted batteries immediately.

## 4 Location of Controls and Indicators

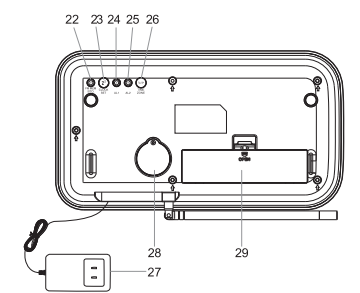
### TOP PANEL



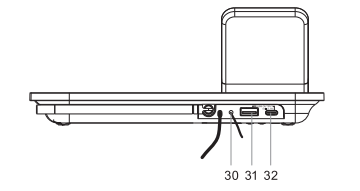
### LCD Display



## BOTTOM PANEL



## REAR PANEL



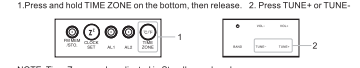
- VOL+ button
- VOL- button
- ON/OFF (On/Standby) button
- BAND (WB/FM band) button
- TUNE- button
- TUNE+ button
- SNOOZE/DIMMER (4-Level) button
- Wireless Charging Pad
- Day of Week Indicator
- ALERT Indicator
- NOAA (WB) Indicator
- Alarm 1 Indicator
- Alarm 2 Indicator
- Snooze Indicator
- Sleep Indicator
- Wireless Charging Indicator
- Low Battery Icon (for backup battery)
- Low Battery Icon (for AAA batteries)
- FM Indicator
- Ambient Temperature
- AM/FM Indicator
- FM MEM (Memory)/STO (Store) button
- Sleep/CLOCK SET button
- AL1 (Alarm 1) Snooze/OFF button
- AL2 (Alarm 2) Snooze/OFF button
- OFF/TIME ZONE button
- AC Adapter
- Backup Battery Compartment
- AAA Battery Door
- Temperature Sensor
- USB-A Charging Port
- USB-C Charging Port

## 5 Setting the Time Zone

### Initial Default Setting at Clock Mode

**IMPORTANT:** The first time you connect your new SmartSet® clock radio 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 zone setting and will always return to that setting after power interruption.

There are 7 Time zones programmed into your SmartSet® clock radio as follows:  
ZONE 01 — Atlantic Time    ZONE 02 — Eastern Time (Default Setting)  
ZONE 03 — Central Time    ZONE 04 — Mountain Time  
ZONE 05 — Pacific Time    ZONE 06 — Yukon Time  
ZONE 07 — Hawaiian Time



NOTE: Time Zone can be adjusted in Standby mode only.

## 6 Setting the Clock Manually

**Checking the Current Year-Date-Day of Week-Time Settings**  
Press briefly the CLOCK SET button once to see the year, date in sequence. To restore time display mode, leave it idle for a few seconds.  
Note: From d1, d2 to d7 stand for from Monday, Tuesday to Sunday separately.

**Setting the Year**  
Ⓞ Press and hold the CLOCK SET button until the Year 'Flashes', then release the button.  
Ⓞ Press the TUNE+ or TUNE- button to adjust Year; 2023

**Setting the Date**  
Ⓞ Press the CLOCK SET button again and release, the Month 'Flashes'  
Ⓞ Press the TUNE+ or TUNE- button to adjust the Month;  
Ⓞ Press the CLOCK SET button again and release, the Date 'Flashes';  
Ⓞ Press the TUNE+ or TUNE- button to adjust the Date.  
For example, April 16th will appear as '4-16'; 4-16