

## Borne CR640D

# Borne AM/FM Clock Radio CR640D User Manual

Model: CR640D

## INTRODUCTION

Thank you for purchasing the Borne AM/FM Clock Radio with Digital Display. This manual provides detailed instructions for setting up, operating, and maintaining your new clock radio. Please read this manual thoroughly before use to ensure proper functionality and to maximize your enjoyment of the product.



Figure 1: Front view of the Borne AM/FM Clock Radio, displaying the time 12:28 on its digital LED screen. The top panel shows control buttons for snooze/sleep, volume, and tuning.

## IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- 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.
- 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.

## KEY FEATURES

- Digital AM/FM tuner with synthesizer and phase-locked loop for clear reception.
- Two independent alarms, allowing wake-up calls to either radio sound or an alarm tone.
- 20 Presets for storing your favorite radio stations.
- Digital volume control for precise audio adjustment.
- Alarm reminder and sleep timer functions for convenience.
- Operates on AC power with backup battery capability (2 AAA batteries, not included) to maintain settings during power outages.

## SETUP GUIDE

### 1. Unpacking

Carefully remove the clock radio from its packaging. Ensure all components are present:

- Borne AM/FM Clock Radio unit
- AC Power Adapter
- User Manual (this document)



Figure 2: The Borne AM/FM Clock Radio packaging, highlighting key features such as dual alarm, AM/FM tuner, and battery backup.

## 2. Power Connection

1. Insert the small end of the AC power adapter into the DC IN jack located on the back of the clock radio.
2. Plug the other end of the AC power adapter into a standard wall outlet (AC 120V, 60Hz).
3. The digital display will illuminate, indicating the unit is receiving power.

## 3. Battery Backup Installation (Optional but Recommended)

To ensure time and alarm settings are retained during a power outage, install backup batteries:

1. Locate the battery compartment on the bottom of the clock radio.
2. Open the battery compartment cover.
3. Insert two (2) new AAA batteries (not included) according to the polarity indicators (+ and -) inside the compartment.
4. Close the battery compartment cover securely.

*Note: Batteries are for backup only and will not power the display or radio functions during a power outage. They only preserve settings.*

## OPERATING INSTRUCTIONS

### Setting the Time

1. Press and hold the **TIME SET** button (location may vary, typically on the back or top). The hour digits will begin to flash.
2. Press the **HOUR** button repeatedly to adjust the hour. Observe the PM indicator for correct AM/PM setting.
3. Press the **TIME SET** button again. The minute digits will begin to flash.
4. Press the **MINUTE** button repeatedly to adjust the minutes.
5. Press the **TIME SET** button one last time to confirm and exit time setting mode.

## Setting Alarms (Alarm 1 and Alarm 2)

This clock radio features two independent alarms.

1. Press and hold the **ALARM 1 SET** button. The Alarm 1 hour digits will flash.
2. Use the **HOUR** button to set the desired alarm hour.
3. Press **ALARM 1 SET** again. The Alarm 1 minute digits will flash.
4. Use the **MINUTE** button to set the desired alarm minutes.
5. Press **ALARM 1 SET** again to select the alarm source: **BUZZER** or **RADIO**. The corresponding indicator will light up.
6. Press **ALARM 1 SET** one last time to confirm.
7. Repeat steps for **ALARM 2 SET** button to set the second alarm.

To activate/deactivate an alarm, press the respective **ALARM 1 ON/OFF** or **ALARM 2 ON/OFF** button. The alarm indicator will appear/disappear on the display.

## Radio Operation (AM/FM)

1. Press the **RADIO ON/OFF** button to turn on the radio.
2. Press the **BAND** button to switch between AM and FM bands.
3. Use the **TUNE +** or **TUNE -** buttons to manually tune to a desired station.
4. To auto-scan for the next available station, press and hold **TUNE +** or **TUNE -** for a few seconds.
5. Adjust the volume using the **VOLUME +** or **VOLUME -** buttons.

## Setting Radio Presets

You can store up to 20 radio stations.

1. Tune to the desired radio station.
2. Press and hold the **MEM** (Memory) button. A preset number will flash on the display.
3. Use the **PRESET +** or **PRESET -** buttons to select the desired preset number (1-20).
4. Press **MEM** again to confirm and save the station to that preset.
5. To recall a preset station, simply press the **PRESET +** or **PRESET -** buttons while the radio is on.

## Snooze and Sleep Timer

- **Snooze:** When an alarm sounds, press the **SNOOZE/SLEEP** button to temporarily silence the alarm for approximately 9 minutes. The alarm will sound again after this period.
- **Sleep Timer:** While the radio is playing, press the **SNOOZE/SLEEP** button repeatedly to cycle through sleep timer options (e.g., 90, 60, 30, 15 minutes, OFF). The radio will automatically turn off after the selected duration.



## MAINTENANCE

- **Cleaning:** Disconnect the power adapter before cleaning. Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, waxes, or solvents as they may damage the finish.
- **Battery Replacement:** If the backup batteries are depleted, replace them with new AAA batteries to ensure settings are retained during power interruptions. Dispose of old batteries responsibly.
- **Storage:** If the unit will be unused for an extended period, unplug the AC power adapter and remove the backup batteries. Store the unit in a cool, dry place.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Power adapter not properly connected or wall outlet is not active.	Ensure the AC power adapter is securely plugged into the unit and a working wall outlet. Try a different outlet.
Display is dim or blank during power outage.	Backup batteries are dead or not installed.	Replace backup batteries (2 AAA). Note that batteries only retain settings, not power the display.
Alarm does not sound.	Alarm not set, alarm volume too low, or alarm deactivated.	Verify alarm time is set correctly. Ensure alarm is activated (indicator on display). If radio alarm, ensure radio volume is audible.
Poor radio reception.	Antenna not extended/positioned correctly, or interference.	Fully extend the FM wire antenna. For AM, try rotating the unit for better reception. Move unit away from other electronic devices that may cause interference.
Time/settings reset after power interruption.	Backup batteries are dead or not installed.	Install or replace the 2 AAA backup batteries.

## SPECIFICATIONS

Brand	Borne
Model Number	CR640D
Colour	Black

Display Type	Digital LED
Tuner Type	Digital AM/FM with Synthesizer and Phase-Locked Loop
Alarm Features	Dual Alarms (Buzzer or Radio), Snooze, Sleep Timer
Power Source	AC 120V, 60Hz
Backup Battery	2 x AAA batteries (not included)
Radio Presets	20 (AM/FM combined)

### WARRANTY AND SUPPORT

Specific warranty information for the Borne AM/FM Clock Radio CR640D is typically provided with the product packaging or on the manufacturer's official website. Please refer to the documentation included with your purchase for details regarding warranty coverage and terms.

For technical support or service inquiries, please contact Borne customer service. Contact information can usually be found on the product packaging or on the Borne website.

*Note: Keep your purchase receipt as proof of purchase for warranty claims.*