

HanRongDa HRD-310

HanRongDa HRD-310 Portable Radio User Manual

Model: HRD-310

Brand: HanRongDa

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your HanRongDa HRD-310 portable radio. Please read this manual thoroughly before use to ensure proper functionality and longevity of your device. The HRD-310 is a compact and versatile radio designed for excellent reception across AM, FM, and Shortwave bands, featuring a digital tuner, alarm clock, and sleep timer, making it ideal for various indoor and outdoor activities.

2. PRODUCT FEATURES

- **Digital Radio with DSP:** Equipped with Digital Signal Processing (DSP) technology, reducing interference and improving sound clarity and sensitivity across all bands.
- **Multi-Band Reception:** Capable of receiving FM (63-108MHz), MW (522-1620KHz), and SW1-7 (5.90-21.85MHz) bands.
- **Compact and Portable:** Designed for easy portability with dimensions of 4.2 x 2.7 x 1 inches and a weight of 6.5 ounces, fitting easily into a handbag or pocket.
- **Backlit LCD Screen:** Features a blue backlit LCD screen for clear visibility and easy operation in low-light conditions.
- **Alarm Clock & Sleep Timer:** Includes an alarm function to wake up to the radio and a sleep timer that allows automatic shutdown after 10-90 minutes.
- **Headphone Jack:** A 3.5mm headphone jack is provided for private listening.
- **Dual Power Options:** Can be powered by 2xAA batteries (not included) for portable use or via DC5V USB power for home use.
- **Station Presets:** Stores up to 60 stations (20 AM, 20 FM, 20 SW) with both manual and automatic tuning storage (ATS) capabilities.
- **Enhanced Reception:** Features a long, rotatable antenna and an upgraded chip for excellent reception.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present:

- 1 x HRD-310 Portable Radio
- 1 x DC5V USB Cable
- 1 x Wired Stereo In-ear Headphones
- 1 x Hand Strap
- 1 x Owner's Manual



BACKLIT SCREEN

Features a blue backlit LCD screen for easy use in the dark.



Manual and fully automatic can preset 60 station. (FM 20, AM 20, SW 20)

Figure 3.1: The image displays the complete package contents: the HRD-310 portable radio, a DC5V USB charging cable, a pair of wired stereo in-ear headphones, and the user manual.

4. PRODUCT OVERVIEW & CONTROLS

Familiarize yourself with the radio's layout and controls for optimal use.

PACKAGE



Portable Radio



English User Manual



Stereo Earphone



DC5V USB cable

Figure 4.1: Front and side view of the HRD-310 radio with labels indicating the speaker, backlit LCD screen, power/sleep button, band switch, shortwave meter, tuning buttons, memory buttons, tuning dial, volume dial, headphone jack, DC5V port, antenna, battery cover, and support plate.

Control Functions:

- **POWER/SLEEP:** Short press to turn on/off. Long press to activate sleep timer.
- **BANDS:** Press to cycle through FM, MW (AM), and SW (Shortwave) bands.
- **METE:** Shortwave Meter button.
- **TUN+ / TUN-:** Short press to scan up/down frequencies.
- **MEMO:** Short press to confirm memory save/recall. Long press to enter time setting or station presetting mode.
- **M+ / M-:** Use to navigate through saved station presets. Long press to set alarm.
- **TUNING Dial:** Manual tuning for precise frequency selection.
- **VOLUME Dial:** Adjusts the audio output level.
- **Headphone Jack (3.5mm Stereo):** For connecting headphones.

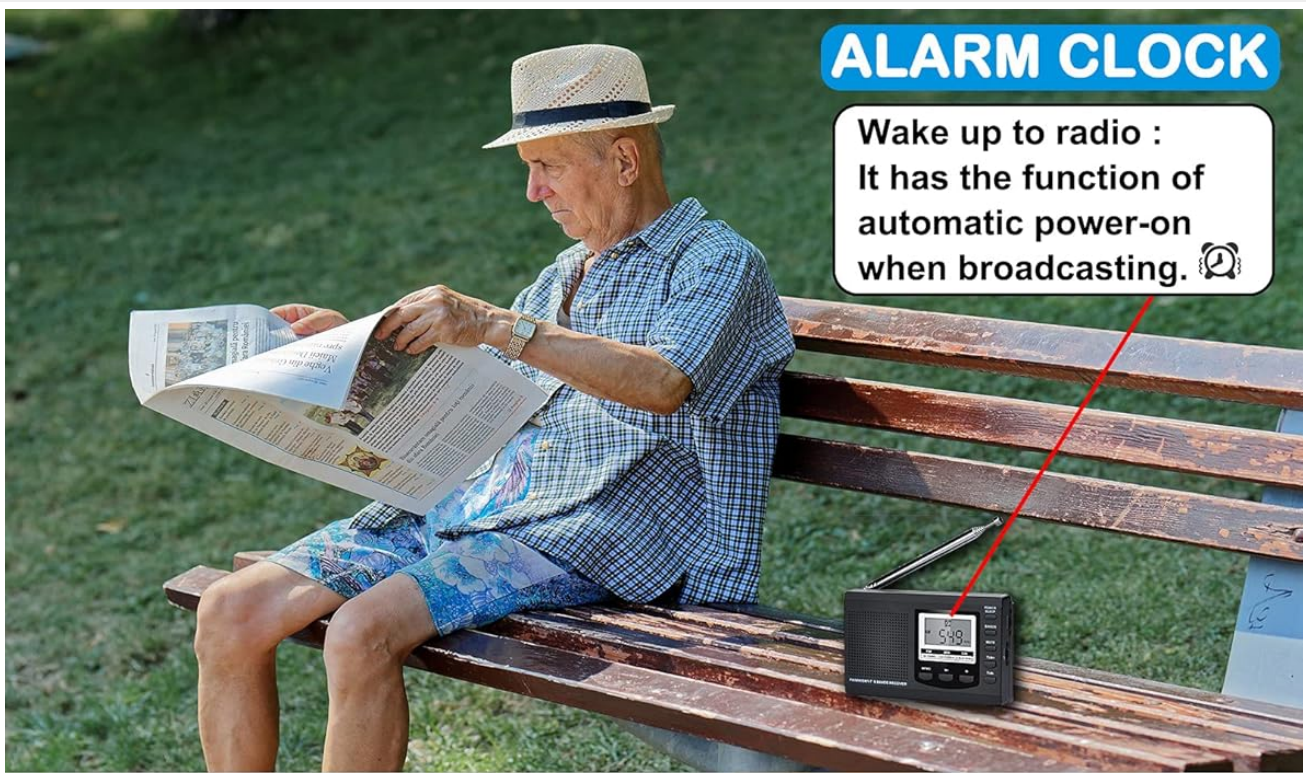
- **DC5V Port:** For connecting the USB power cable.
- **360 Degree Rotate Pull Rod Antenna:** Extend and rotate for optimal reception.
- **Battery Cover:** Access compartment for AA batteries.
- **Support Plate:** Fold-out stand for upright positioning of the radio.

5. SETUP

5.1 Powering the Radio

Your HRD-310 radio offers two power options:

- **Battery Power:** Open the battery cover on the back of the radio. Insert two (2) AA batteries, ensuring correct polarity (+/-). Close the battery cover securely.
- **USB Power:** Connect the provided DC5V USB cable to the DC5V port on the side of the radio. Plug the other end into a USB power adapter (not included) or a compatible USB port on a computer or power bank.



ALARM CLOCK

Wake up to radio :
It has the function of
automatic power-on
when broadcasting. 🕒



SLEEP TIMER

POWER
SLEEP

Very user-friendly
function: you can
set to automatically
shut down after
10-90 minutes of
power on.

Figure 5.1: The radio can be powered by two AA batteries, inserted into the rear compartment, or by connecting the DC5V USB cable to the side port for external power.

6. OPERATION

6.1 Turning On/Off

Press the **POWER/SLEEP** button located on the top right of the radio to turn the unit on or off.

6.2 Band Selection

Press the **BANDS** button to switch between FM, MW (AM), and SW (Shortwave) frequency bands. The selected band will be displayed on the LCD screen.

6.3 Tuning Stations

- **Manual Tuning:** Rotate the **TUNING** dial on the side of the radio to manually adjust the frequency.
- **Automatic Scan:** Short press the **TUN+** or **TUN-** buttons to automatically scan for the next available station.



Figure 6.1: The tuning dial (top) and volume dial (bottom) are located on the right side of the radio for easy access.

6.4 Presetting and Recalling Stations

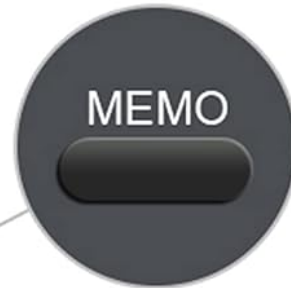
The radio can store up to 60 stations (20 for each band: AM, FM, SW).

- **To Save a Station (Manual):**
 1. Tune to your desired station.
 2. Long press the **MEMO** button until the memory slot number flashes on the display.
 3. Use the **M+** or **M-** buttons to select the desired memory slot.
 4. Press the **MEMO** button again to confirm and save the station.
- **To Recall a Saved Station:** Short press the **M+** or **M-** buttons to cycle through your saved stations.



BACKLIT SCREEN

Features a blue backlit LCD screen for easy use in the dark.



Manual and fully automatic can preset 60 station. (FM 20, AM 20, SW 20)

Figure 6.2: The radio's display shows the current frequency and band. The MEMO button and M+/M- buttons are used for managing station presets.

6.5 Setting Alarm Clock

To set the alarm, long press either the **M+** or **M-** button. Follow the on-screen prompts to set the desired alarm time. The radio can be set to automatically power on and play a selected radio station at the alarm time.

6.6 Using Sleep Timer

When the radio is on, long press the **POWER/SLEEP** button repeatedly to cycle through the sleep timer options (e.g., 90, 60, 30, 10 minutes, OFF). The radio will automatically turn off after the selected duration.



Figure 6.3: The radio features an alarm clock function to wake you up to your favorite station and a user-friendly sleep timer for automatic shutdown.

6.7 Backlit LCD Screen

The LCD screen features a blue backlight that illuminates automatically, making it easy to read the frequency and time in dark environments.

6.8 Headphone Use

For private listening, plug the included 3.5mm stereo headphones into the headphone jack located on the side of the radio.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use abrasive cleaners, solvents, or harsh chemicals, as they may damage the finish.
- **Battery Care:** If the radio will not be used for an extended period, remove the AA batteries to prevent leakage and corrosion.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Antenna Care:** Handle the telescopic antenna gently to avoid bending or breaking.

8. TROUBLESHOOTING

If you encounter any issues with your HRD-310 radio, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not turn on.	Low or dead batteries; incorrect battery polarity; loose USB connection.	Replace batteries or ensure correct polarity. Check USB cable connection and power source.
Poor reception or static.	Antenna not extended; weak signal area; interference from other electronics.	Fully extend and rotate the telescopic antenna. Try moving to a different location. Move radio away from other electronic devices.
No sound from speaker/headphones.	Volume too low; headphones not fully plugged in; faulty headphones.	Increase the volume. Ensure headphones are fully inserted. Test with another pair of headphones.
Cannot save or recall presets.	Incorrect procedure followed.	Refer to Section 6.4 for detailed instructions on saving and recalling stations.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	4.2 x 2.7 x 1 inches (10.67 x 6.86 x 2.54 cm)
Item Weight	6.5 ounces (184.27 grams)
Item Model Number	HRD-310
Batteries Required	2 AA batteries (not included)
Power Source	Battery Powered, DC5V USB

Feature	Detail
Tuner Technology	AM/FM/Shortwave (SW)
Radio Bands Supported	FM (63-108MHz), MW (522-1620KHz), SW (5.90-21.85MHz)
Display Technology	LCD with blue backlight
Special Features	24 Hour digital clock, Station memory presets (20 AM, 20 FM, 20 SW), Built-in speaker, Sleep timer, DSP
Connectivity Technology	USB (for power)

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any product-related inquiries, please refer to the contact details provided in the original packaging or visit the official HanRongDa website. Please retain your purchase receipt for warranty claims.