

HanRongDa HRD-310

HanRongDa HRD-310 Portable Multi-Band Radio User Manual

Model: HRD-310

1. INTRODUCTION

Thank you for purchasing the HanRongDa HRD-310 Portable Multi-Band Radio. This manual provides detailed instructions for the setup, operation, and maintenance of your new radio. Please read this manual thoroughly before use to ensure proper functionality and to maximize your listening experience.



Image 1.1: The HanRongDa HRD-310 Portable Multi-Band Radio, showcasing its compact design and digital display.

2. PRODUCT FEATURES

- **Digital DSP Reception:** Utilizes Digital Signal Processing for clear audio and enhanced reception across all bands.
- **Multi-Band Support:** Receives FM, AM (MW), and Shortwave (SW) broadcasts.
- **Wide FM Compatibility:** Allows listening to AM broadcasts on FM frequencies for improved sound quality.
- **Portable Design:** Lightweight and compact, designed for easy portability. Includes an integrated stand for desktop use.
- **Dual Power Options:** Operates on 2 x AA batteries (not included) or via USB power using the included cable.
- **Preset Stations:** Stores up to 60 stations for each band (FM, AM, SW) with automatic or manual tuning. Presets are retained even after power off or battery change.

- **Alarm Clock Function:** Wake up to your favorite radio station.
- **Sleep Timer:** Set the radio to automatically turn off after a specified duration (10-90 minutes).
- **Digital Clock Display:** Features a large, easy-to-read digital clock with a blue backlight for visibility in low light conditions.
- **Stereo Earphone Output:** Enjoy stereo audio through the 3.5mm earphone jack (earphones included).
- **Extendable Antenna:** A 360-degree rotating antenna (approx. 470mm) for optimal signal reception.



Image 2.1: Overview of the radio's dimensions and key features, including DSP, ATS, LCD, earphone support, 60 station memory, sleep timer, and AA battery compatibility.

3. PACKAGE CONTENTS

Please check the box for the following items:

- HanRongDa HRD-310 Portable Radio Unit
- USB External Power Cable
- Stereo Earphones
- Wrist Strap
- User Manual (Japanese & Warranty Card)

パッケージ内容



ラジオ本体

日本語取扱説明書 & 保証書



イヤホン





USB給電ケーブル

Image 3.1: The radio unit, USB power cable, stereo earphones, and user manual included in the package.

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your HRD-310 radio:

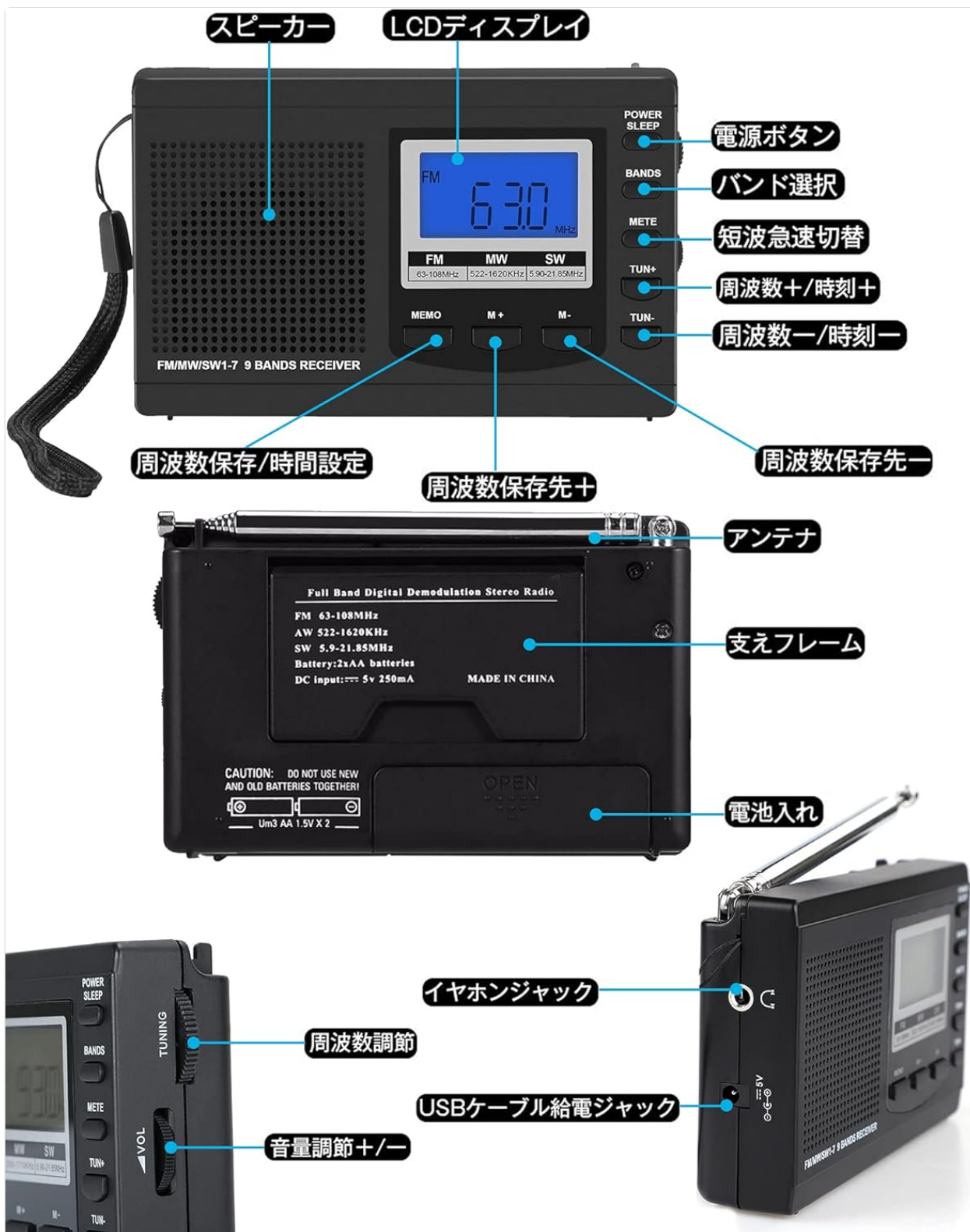


Image 4.1: A detailed diagram labeling the power button, bands button, METE button, TUN+ and TUN- buttons, volume control, tuning dial, speaker, LCD display, MEMO button, M+ and M- buttons, antenna, battery compartment, earphone jack, and USB power jack.

- **POWER/SLEEP Button:** Turns the radio on/off, activates sleep timer.
- **BANDS Button:** Switches between FM, AM (MW), and SW bands.
- **METE Button:** For shortwave meter band selection (if applicable).
- **TUN+ / TUN- Buttons:** Adjust frequency up/down.
- **VOL Dial:** Adjusts volume.
- **TUNING Dial:** Fine-tunes frequency.

- **MEMO Button:** Accesses memory functions.
- **M+ / M- Buttons:** Navigate through preset stations.
- **Antenna:** Extendable telescopic antenna for FM and SW reception.
- **Battery Compartment:** Holds 2 x AA batteries.
- **Earphone Jack:** 3.5mm output for stereo earphones.
- **USB Power Jack:** For external USB power supply.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment cover on the back of the radio.
2. Slide the cover open.
3. Insert two (2) AA batteries (not included), ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

5.2 Powering the Radio via USB

The radio can also be powered using the included USB cable. This is useful when batteries are low or unavailable.

1. Connect the small end of the USB power cable to the USB power jack on the side of the radio.
2. Connect the other end of the USB cable to a USB power source, such as a computer USB port, a USB wall adapter (not included), or a mobile power bank (not included).
3. The radio will power on or be ready for use.

乾電池単三2本（別売）



支えフレーム

USB給電可能

(別売り)



USBで接続するタイプの左図のような充電アダプターを利用すれば充電できます。



Image 5.1: Illustrates the battery compartment for two AA batteries and the USB power input for external power sources.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume

- Press the **POWER/SLEEP** button to turn the radio on or off.
- Rotate the **VOL** dial on the side of the radio to adjust the listening volume.

6.2 Band Selection

- Press the **BANDS** button repeatedly to cycle through FM, AM (MW), and SW bands. The selected band

will be displayed on the LCD screen.

6.3 Tuning for Stations

You can tune for stations manually or automatically.

- **Manual Tuning:** Rotate the **TUNING** dial on the side of the radio to fine-tune the frequency. Alternatively, press the **TUN+** or **TUN-** buttons to step through frequencies.
- **Automatic Scan:** (Refer to specific model features, usually a long press of TUN+ or TUN- or a dedicated scan button). The HRD-310 supports automatic station search and storage.



Image 6.1: The tuning dial and main control buttons for frequency adjustment and band selection.

6.4 Antenna Adjustment

For optimal FM and SW reception, extend the telescopic antenna fully and rotate it 360 degrees to find the best signal. For AM (MW) reception, the radio uses an internal ferrite bar antenna; try rotating the entire radio for better reception.



Image 6.2: The radio with its telescopic antenna extended for improved signal reception.

6.5 Preset Stations (Memory Function)

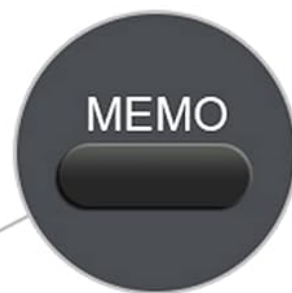
The radio can store up to 60 stations for each band (FM, AM, SW).

- **Automatic Preset:** While in FM, AM, or SW mode, a long press on the **MEMO** button may initiate an automatic scan and store available stations.
- **Manual Preset:** Tune to your desired station. Press the **MEMO** button briefly, then use **M+** or **M-** to select a memory slot. Press **MEMO** again to confirm.

- **Recalling Presets:** Press **M+** or **M-** to cycle through your saved stations.



◆ディスプレイは大きく見やすいです。青色バックライトは良い色合いで暗い所でも確認が容易。



MEMO を押して FM/AM/SW 各周波数の中、お好みの 20 つまでの周波数を保存できます。

Image 6.3: The radio's display showing a frequency with blue backlight, highlighting the MEMO, M+, and M- buttons used for

6.6 Alarm Function

Set an alarm to wake up to your preferred radio station.

- To set the alarm, refer to the detailed instructions in the included Japanese manual for specific button sequences. Generally, this involves entering a time setting mode, setting the alarm time, and selecting the alarm source (radio).
- When the alarm time is reached, the radio will automatically turn on and play the last tuned station.


6.7 Sleep Timer

The sleep timer allows the radio to play for a set duration before automatically turning off.

- Press the **POWER/SLEEP** button repeatedly while the radio is on to cycle through sleep timer options (e.g., 10, 20, 30, 60, 90 minutes, or OFF).
- The selected sleep time will be displayed on the screen. The radio will turn off automatically after the set time.



アラーム機能

アラーム機能付き、設定されたアラーム時間になりますと、ラジオは自動的に電源が入り放送開始します。 

タイマー機能



POWER
SLEEP

10分間～90分間スリープ
オートオフ、寝る前にス
リープ機能でラジオの電
源オフ時間を設定して、
お気楽に眠れます。

Image 6.4: Visual representation of the alarm function (man reading newspaper) and sleep timer function (woman sleeping with radio).

6.8 Clock Setting

The radio features a digital clock. To set the time, please refer to the specific instructions in the included Japanese manual. Typically, this involves a long press of a specific button (e.g., 'TIME' or 'SET') to enter time setting mode, then using TUN+ / TUN- or other buttons to adjust hours and minutes.

6.9 Earphone Use

For private listening or stereo audio, plug the included stereo earphones into the 3.5mm earphone jack on the side of the radio. The internal speaker will be muted automatically.

7. RECEPTION TIPS

As a portable and compact radio, signal reception can be influenced by your environment. For the best reception:

- **Outdoor Use:** The radio performs best in open outdoor areas where signal interference is minimal.
- **Antenna Adjustment:** Always extend the telescopic antenna fully for FM and SW bands. Adjust its length and direction to find the strongest signal.
- **Radio Orientation:** For AM (MW) reception, try rotating the entire radio unit to optimize the signal from its internal antenna.
- **Avoid Interference:** Keep the radio away from electronic devices that may cause interference (e.g., computers, TVs, fluorescent lights).

8. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** If not using the radio for an extended period, remove the batteries to prevent leakage. Store in a cool, dry place.
- **Water Exposure:** This radio is not waterproof. Avoid exposure to water or high humidity.
- **Temperature:** Do not expose the radio to extreme temperatures.

9. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-------------------------|---|---|
| Radio does not turn on. | Batteries are dead or incorrectly inserted. No USB power. | Replace batteries, check polarity. Ensure USB cable is connected to a working power source. |
| Poor reception/static. | Antenna not extended/adjusted. Weak signal area. Interference from other electronics. | Extend and adjust the telescopic antenna. Try moving to an open area. Rotate the radio for AM. Move away from interfering devices. |
| No sound from speaker. | Volume too low. Earphones connected. | Increase volume. Disconnect earphones. |
| Presets are lost. | Incorrect saving procedure. | Ensure you follow the correct steps to save stations (refer to section 6.5). Presets should be retained even after power off or battery change. |

10. SPECIFICATIONS

| Feature | Detail |
|--------------|-----------|
| Model Number | HRD-310 |
| Brand | HanRongDa |

| Feature | Detail |
|-----------------------|--|
| Color | Black |
| Tuner Technology | AM/FM/SW (DSP) |
| Supported Frequencies | FM, AM, SW (Wide FM compatible) |
| Power Source | 2 x AA batteries (not included), USB powered |
| Interface | 3.5mm audio jack (earphone output) |
| Product Dimensions | 26mm (L) x 71mm (W) x 112mm (H) |
| Special Features | Sleep Timer, Preset Function, Built-in Clock, Alarm Clock |
| Included Components | USB external power cable, Stereo earphones, Strap, User Manual & Warranty Card |

11. WARRANTY AND SUPPORT

Your HanRongDa HRD-310 radio comes with a warranty as detailed in the included warranty card. Please retain your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance, or any questions regarding your product, please refer to the contact information provided in your warranty documentation or reach out to the retailer where you purchased the product.