

## HanRongDa HRD-903

# HanRongDa Portable Radio

## MODEL: HRD-903 USER MANUAL

### 1. Introduction

Thank you for purchasing the HanRongDa HRD-903 Portable Radio. This compact and versatile radio features DSP (Digital Signal Processing) for clear audio, Wide FM/FM/AM reception, a digital clock with alarm and sleep timer functions, and multiple power options. This manual provides detailed instructions to help you get the most out of your new radio. Please read it thoroughly before use and keep it for future reference.



Figure 1.1: HanRongDa HRD-903 Portable Radio

The HanRongDa HRD-903 is designed for portability and convenience, making it ideal for daily listening, outdoor activities, travel, and emergency preparedness.

## 2. Product Overview

### 2.1 Key Features

- **Digital Signal Processing (DSP):** Ensures clear and stable audio reception for FM, AM, and Wide FM bands.
- **Wide FM Compatibility:** Allows listening to AM broadcasts on high-quality FM frequencies.
- **Compact and Portable:** Measures 64 x 24.5 x 125.5mm, fitting comfortably in your palm or pocket.
- **Stereo Headphone Output:** Supports stereo audio when using headphones (sold separately).
- **Built-in Speaker:** Features a 40mm speaker for shared listening.
- **Station Memory:** Stores up to 58 stations for both FM and AM bands (auto/manual preset).

- **Alarm Function:** Wake up to your favorite radio station.
- **Sleep Timer:** Set the radio to automatically turn off after 10 to 90 minutes.
- **Digital Clock:** Large, easy-to-read digital time display.
- **Dual Power Options:** Can be powered by 3 AAA batteries (not included) or via USB-C cable (included).
- **Key Lock Function:** Prevents accidental button presses.

## 2.2 Package Contents



Figure 2.1: Package Contents

The package includes:

- HanRongDa HRD-903 Portable Radio Unit
- USB-C Charging Cable
- Earphones
- Hand Strap
- Instruction Manual

## 2.3 Component Identification



Figure 2.2: Front and Top Panel Controls

1. Antenna
2. Earphone Port
3. Power On/Off Button
4. Strap Hole
5. Tuning Dial
6. LCD Display
7. Preset - / Operation Lock Button
8. Band Switch / Scan (Long Press) Button
9. Preset + Button
10. Alarm Setting / Preset Save / Delete Button
11. Volume Up/Down Buttons
12. Sleep Setting Button

- 13. Mute Button
- 14. Speaker

## 3. Setup

### 3.1 Power Supply

The HRD-903 radio can be powered by either 3 AAA batteries or via the included USB-C cable.



Figure 3.1: Battery and USB-C Power Options

### 3.1.1 Battery Installation

1. Locate the battery compartment cover on the back of the radio.
2. Slide the cover downwards to open.
3. Insert 3 AAA batteries (not included) according to the polarity markings (+/-) inside the compartment.
4. Close the battery compartment cover securely.

### 3.1.2 USB-C Power Connection

Connect the included USB-C cable to the USB-C port on the side of the radio. Plug the other end into a USB power source such as a computer, mobile battery, or a USB wall adapter (not included). The radio will operate directly from USB power, and this is also useful when batteries are depleted.

## 3.2 Initial Power On

Press the **POWER** button located on the top right of the radio to turn it on. The LCD display will light up, showing the current frequency and time.

# 4. Operating Instructions

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## 4.1 Power On/Off

- To turn on the radio, press the **POWER** button.
- To turn off the radio, press the **POWER** button again.

## 4.2 Band Selection (FM/AM/Wide FM)

Press the **AM/FM** button to cycle through the available bands: FM, AM, and Wide FM. The selected band will be indicated on the LCD display.

# ワイドFM/FM/AMラジオ



ワイドfm対応



40mmスピーカー



デジタル同調



キーロック機能



イヤホン再生  
ステレオ



58局メモリー



オフタイマー



単3形乾電池



**FM:**

64-108 MHz

**AM:**

522-1710KHZ(9K)

デジタル選局

高感度

デジタル時計

Figure 4.1: Band Selection and Features Overview

## 4.3 Tuning for Stations

### 4.3.1 Manual Tuning

Rotate the **Tuning Dial** on the side of the radio to manually adjust the frequency. The frequency will change in small increments.

### 4.3.2 Automatic Scan

Long press the **SCAN** button (located on the AM/FM button) to automatically scan for and save available stations. The radio can store up to 58 stations for each band.

## 4.4 Preset Stations

The radio allows you to save and recall your favorite stations.

# 邪魔にならないコンパクトなラジオ



FM, AMそれぞれ**58局**まで  
**自動／手動**プリセットできます。



FM: 64-108 MHz



AM1: 522-1710 KHz (9KHz)

AM2: 520-1710 KHz(10KHz)

Figure 4.2: Preset Memory Function

### 4.4.1 Saving a Preset

1. Tune to the desired station.
2. Press the **MEMO** button. The preset number will flash on the display.
3. Use the **M-** or **M+** buttons to select the desired preset number.
4. Press **MEMO** again to confirm and save the station.

#### 4.4.2 Recalling a Preset

In radio mode, press the **M-** or **M+** buttons to cycle through your saved preset stations.

#### 4.4.3 Deleting a Preset

Select the preset you wish to delete using **M-** or **M+**, then long press the **DEL** button.

### 4.5 Volume Control

Press the **VOLUME** up or down buttons to adjust the listening volume.

### 4.6 Alarm Function

The alarm function allows you to wake up to your preferred radio station.



Figure 4.3: Alarm and Sleep Timer Functions

To set the alarm:

1. With the radio off, long press the **ALARM** button (located on the DEL button). The hour digits will flash.
2. Use the **M-** or **M+** buttons to set the hour. Press **ALARM** again to confirm.
3. The minute digits will flash. Use **M-** or **M+** to set the minutes. Press **ALARM** again to confirm.
4. The alarm icon will appear on the display, indicating the alarm is set.

## 4.7 Sleep Timer Function

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

To set the sleep timer:

1. While the radio is on, press the **SLEEP** button repeatedly to cycle through the available sleep timer durations (10, 20, 30, 40, 50, 60, 70, 80, 90 minutes).
2. The selected duration will be displayed. The radio will automatically turn off after the set time.

## 4.8 Key Lock Function

To prevent accidental operation, you can lock the radio's buttons.



Figure 4.4: Key Lock Button

- To activate the key lock, long press the **LOCK** button (located on the M- button). A key icon will appear on the display.
- To deactivate the key lock, long press the **LOCK** button again. The key icon will disappear.

## 4.9 Headphone Use

For private listening, plug the included earphones or any standard 3.5mm stereo headphones into the earphone port on the top of the radio. The radio will automatically switch to headphone output.



Figure 4.5: Using Headphones

## 5. Maintenance

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

## 6. Troubleshooting







Problem	Possible Cause	Solution
Radio does not power on.	Batteries are dead or incorrectly inserted. USB-C cable not connected or power source is off.	Replace batteries or ensure correct polarity. Connect USB-C cable to a working power source.
Poor reception or static.	Antenna not extended. Weak signal area. Interference from other electronic devices.	Fully extend the telescopic antenna. Try moving to a different location. Move radio away from other electronics.
Buttons are unresponsive.	Key lock function is activated.	Deactivate the key lock by long pressing the LOCK button.
Alarm does not sound.	Alarm not set correctly or volume is too low.	Verify alarm time and ensure alarm icon is displayed. Increase volume.

## 7. Specifications

- **Brand:** HanRongDa
- **Model Number:** HRD-903
- **Tuner Type:** FM/AM/Wide FM Compatible (DSP)
- **FM Frequency Range:** 64-108 MHz
- **AM Frequency Range:** 522-1710 KHz (9KHz step)
- **Display Type:** LCD with orange backlight
- **Speaker:** 40mm
- **Memory Presets:** 58 stations for FM, 58 stations for AM
- **Power Source:** 3 x AAA batteries (not included) or USB-C (DC 5V)
- **Dimensions (W x D x H):** 64 x 24.5 x 125.5 mm
- **Weight:** Approximately 170 g (including packaging)
- **Included Components:** Instruction Manual, USB-C Cable, Portable Radio, Strap, Earphones

## 8. Warranty and Support

For any questions, comments, or support regarding your HanRongDa HRD-903 Portable Radio, please do not hesitate to contact the manufacturer or your point of purchase. Please refer to the product packaging or the seller's information for specific warranty details and contact methods.

	<p><a href="#">HRD-392 FM Teaching Headset User Manual and Technical Specifications</a></p> <p>Comprehensive user manual for the Hanrongda HRD-392 FM Teaching Headset, detailing its features, operation, technical specifications, and FCC compliance.</p>
	<p><a href="#">HanRongDa HRD-602 Mini FM/AM Portable Radio Operation Instructions</a></p> <p>Comprehensive operation instructions for the HanRongDa HRD-602 Mini FM/AM Portable Radio, designed for fitness activities. Learn about its features, step counting, radio functions, and specifications.</p>
	<p><a href="#">Hanrongda HRD-802/W3 Signal Repeater Operation Guide</a></p> <p>User manual for the Hanrongda HRD-802/W3 Signal Repeater. Learn how to improve indoor radio reception for SW, MW, and AIR bands. Covers installation, battery options, button functions, indicator lights, mounting, and FCC compliance.</p>
	<p><a href="#">HanRongDa HRD-900 Camping Radio User Manual</a></p> <p>User manual for the HanRongDa HRD-900, a versatile camping radio featuring a flashlight, SOS alarm, solar panel, and hand crank for power generation. Includes specifications and operating instructions.</p>
	<p><a href="#">HanRongDa HRD-757 High-Performance Multi-band Radio User Manual</a></p> <p>User manual for the HanRongDa HRD-757 multi-band radio, detailing features like Bluetooth, TF card playback, APP control, flashlight, SOS alarm, and extensive band support.</p>
	<p><a href="#">HanRongDa HRD-908 Emergency Disaster Prevention Multi-functional Radio User Manual</a></p> <p>Comprehensive user manual for the HanRongDa HRD-908 emergency disaster prevention multi-functional radio. Learn about its features, operation, charging, connectivity, and technical specifications.</p>