

# 2617 Portable Multimedia Music Player

Full-band Broadcast Reception • Bluetooth • TF card play

## Operational Guideline

(Model: HRD-700)

Thank you for your purchase. Please read this operation guide carefully and keep it properly before use.

### 1 : HRD-700 Overview of Portable Multimedia Music Player

This is a multimedia music player made by our company with high fidelity, hoping to bring more fun to friends who love music !

Give radio lovers a different experience.

This product has the following features :

\*This product uses software programming to realize the reception of FM, medium wave, short wave and WB (weather band in North America), with strong reception sensitivity.

\*Using high-tech audio technology, this product can be connected to Bluetooth wireless music transmission and playback, and can support up to 256g TF Card music format playback.

\*In radio mode, this product supports the encoding pulley switch to adjust the station, press the key to automatically search and store the station, press the key to get the station, giving users a new use experience.

\*This product tuning key adopts coding pulley for tuning, with level 0-9 selection.

\*In each working state, this product can use the "music spectrum light" mode to bring you into a wonderful music melody.

\*This product uses bl5c 1000mah lithium battery with long service life. The battery is detachable to prolong the service life.

\*In Bluetooth, TF Card music playback mode, this product supports six kinds of EQ for playing sound effects :

1 : NORMAL 2:POP 3 : ROCK 4: JAZZ,

5: CLASSIC 6: COUNTRY

\*This product can set the shutdown (sleep) time and 70-60-50-40-30-20-10 minutes of sleep.

\*This product is using medium wave reception. Users can choose 9KHz / 10kHz medium wave step value, which has no national boundaries.

\*The shortwave receiving mode of this product is set with seven-meter waves for easy use.

\*In radio mode, this product can be set to enable backlight display and turn off backlight.

\*This product can remember 110 radio stations in radio mode.

(FM / MW: 20 radio stations are stored respectively, 7meter waves are stored in short wave, and 10 can be stored in each meter wave)

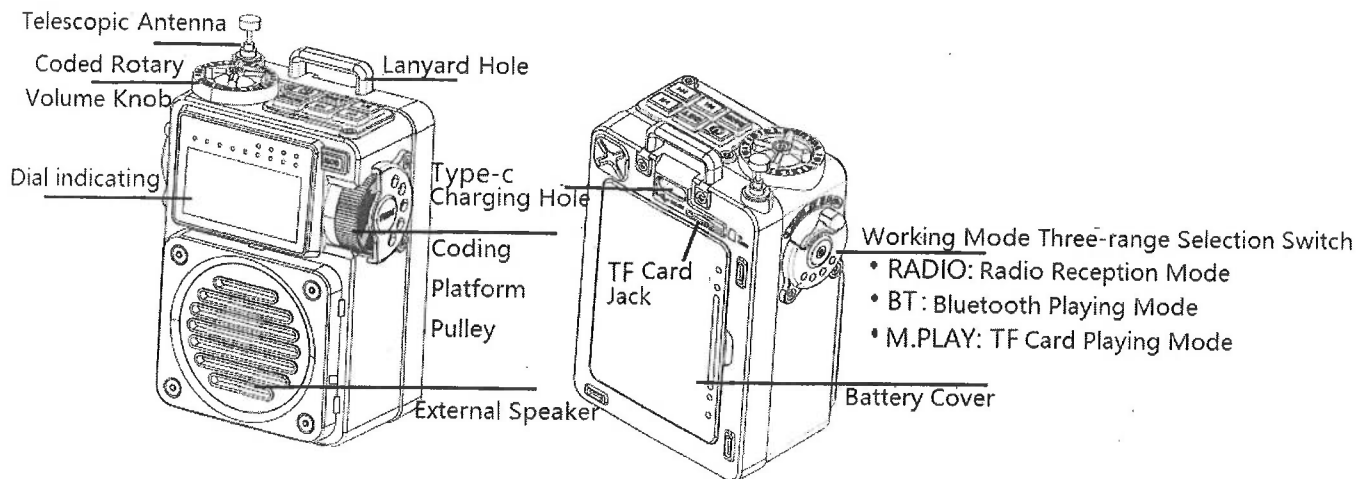
\*This product uses the type-C charging jack.

### 2 : Package Internals

Name	Quantity
Hrd-700 Portable Multimedia Music Player	1
Hanging Rope	1
Bl5C Lithium Battery (1000MAH 3.7V)	1

USB TYPE-C Charging Line	1
Operational Guidelines	1

### 3 : Appearance Button Function Schematic Diagram



⏻: Power On / Off Key

SET: Set sleep time / Select meter wave / Select EQ sound effect

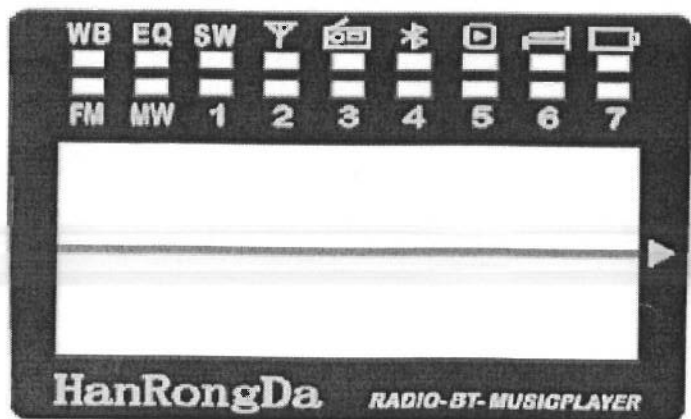
▶|: Music Playing Mode: Play/Pause, Radio Mode: Enter the fully automatic search and storage station; Channel Selection Mode/WB; Long press to enter a mode; Automatic Early Warning "ALERT"

BAND:FM, MW, SW, WB Band Conversion


⏮: Nest Music/ Channel Selection+/ In TF Card playing mode, long press to go forward fast.

⏭: Last Music/Channel Selection-/In TF Card playing mode, long press to go backward fast.

### 4 : Product Indicator Light Schematic Diagram



WB ( North American National Weather Band ) Receive mode indication

- EQ Sound Effect Adjustment Indication
- SW Shortwave Receiving Mode Indication
- FM FM Reception Mode Indication
- MW Medium Wave Reception Mode Indication
-  Tuning Signal Indicator Light



ON: start the full-automatic search / retrieval mode.

Not on: manual platform adjustment mode.

Flashing: the process of full-automatic radio search and storage / if no radio is found, flash for two seconds when taking the radio



Flashing: waiting for Bluetooth connection

Always on: connected Bluetooth / Bluetooth playing status



Flashing: waiting to insert TF Card.

Always on: TF Card Play / TF Card Pause Play



Flashing: enter the setting up of sleep state.

Always on: the sleep time selected by default.



Display flashing during charging or when the battery is low.

Number 1-7 light start indication:

SW Mode , Meter Wave Segment Indication

WB Mode: selection of 7 weather frequency points

Channel Selection : address number indication.

EQ Sound Mode: 6 kinds of sound indication.

Display Power (1-7 grids)

## 5 : Product Function Introduction

5.1 : Installing the battery: open the battery cover, align the contact, and install the lithium battery correctly (it is recommended to fully charge the battery before using it for the first time).

5.2 : On / off: gently press the "" key, all lights will flash once, and the machine will start. In the startup mode, press the "" key gently to shut down the machine.

5.3 : There are three modes of machine playing : RADIO ( radio mode ) /BT(Bluetooth reception mode ) /M-PLAY(TF card playmode ) .

There are three gears on the left side of the machine. Please select the function as needed (ensure that the sound rotation button of the machine is turned on before use).

Switch to any working mode and the machine will play in English : Radio---Bluetooth mode---Music.

5.4: Volume operation: (volume adjustable level: level 0-9)

In the state of power on or power off, rotate the volume coding opening, and the sound is turned off when the arrow is aligned to "0". When the arrow is aligned to "9", the sound has been turned to the maximum volume. The volume can be adjusted appropriately between "0-9" according to the requirements.

### 5.5 : Listen to Radio :

The machine can receive MW (medium wave) / FM (frequency modulation) / SW (short wave) / WB (North American National Weather Band), and the receiving range of each band is as follows :

MW frequency range : 520-1710khz ,

FM frequency range : 87-108MHZ ,





SW frequency range : 5.70-17.9MHZ ,

WB:162.400-162.550MHZ

When listening to FM, SW and WB bands, please pull up the pull rod antenna of the machine.


5.5.1 : Band switching: in the power on state, short press the "band" key to switch between MW / FM / SW / WB bands.

5.5.2 : Search mode in FM, MW and SW modes: it supports full-automatic search and storage of radio stations and manual search by coding pulley switch.



5.5.2.1 : Introduction of automatic radio search and storage method : Power on status , In MW / FM / SW band , short press "▶|" button, radio " indicator light on , long press "▶|" button for two seconds , " indicator light flashes , means that the full-automatic search and storage radio station is started, and the search station searches from the low-end frequency point of the current receiving band to the high-end frequency point. After completing a round of search, it will automatically stop and play the first frequency program found.

Quantity of MW medium wave storage stations: 20; FM storage quantity: 20; Seven meter waves in short wave, and each meter wave can store 10 (total: 110).

5.5.2.2 : Introduction to manual platform searching method of coded pulley switch :

In the radio working mode, slide the coding pulley switch on the right side of the machine to find the radio station with signal ,  tuning, indicator light on.

5.5.3 : About Channel Selection

According to the operation method in 5.5.2.1, after completing a round of full-automatic search for stored radio stations , press " button to select a broadcasting station , every short press of " button will change to another broadcasting station , number indicator light on simultaneously. Channel Selection Number : number indicator light1~7 indicates 7 broadcasting stations , When more than 7 stations are stored, the indicator light combination is on : For example, storage 8 is: indicator light1 + indicator Light2 are on for 1 second at the same time, storage 9 is: indicator light1 + indicator Light2 are on for 1 second at the same time... (and so on)

Note: the number of stations depends on the number of stations stored in the local signal strong / weak situation.

5.5.4 : On the meter wave of short wave mode:

Short press "BAND" button to change to bank SW ( indicator light on ) , short press "SET" button SW1-SW7 meter band switching , number "1" on is SW1 : 5.70-6.40MHZ, number "2" on is SW2: 6.80-7.60MHZ, number "3" on is SW3: 9.20-10.0MHZ, number "4" on is SW4: 11.4-12.2MHZ, number "5" on is SW5: 13.5-14.3MHZ, number "6" on is SW6: 15.0-15.9MHZ, number "7" on is SW7: 17.4-17.9MHZ, Push the rotary button for each meter band to select the received radio station.

5.5.5 : About North American WB Weather Band :

Short press "BAND" to change to WB Weather Bank;

Short press "⏪" "⏩" button to select the received weather frequency point, and the digital light indicates the corresponding received frequency point :

- 1 : 162.400MHZ,    2 : 162.425MHZ,    3 : 162.450MHZ:    4 : 162.475MHZ,
- 5 : 162.500MHZ,    6 : 162.525MHZ,    7 : 162.550MHZ,

Long press "▶" button for two seconds to enter automatic early warning "ALERT" , in automatic early warning "ALERT" status , long press "▶" button for two seconds to exit automatic early warning "ALERT" function.

5.5.6 : Adjustment method of medium wave step value 9KHZ / 10KHZ :

In shutdown status , long press BAND button for more than two seconds , 9 lights indicate that the currently received medium wave step value is 9KHZ , the presence of 10 lights indicates that the currently received medium wave step value is 10kHz;

\*Long press BAND button, if 9 or 10 lights on , short press "BAND" button is AM stepping forward : 9KHZ/10KHZ change to each other ,

Step value 9KHZ light on, schematic diagram :



step value 10KHZ light on, schematic diagram :



Note :

In North and South American countries such as the United States, Canada and Mexico, the step value of the medium wave must be adjusted to 10kHz. In other countries, the step value of the medium wave is 9KHZ, and the step value of the medium wave is the frequency range of 9KHz : 522-1620KHZ

The medium wave step value is a frequency range of 10kHz: 520-1710KHZ

5.5.7 : Start backlight in radio mode

In radio operating mode , long press MOD button for two seconds , turn on the backlight for night use.

Turn off the backlight : long press MOD button again for two seconds.

5.6 : Bluetooth Multicast Operation :

Bluetooth connection name of this machine : "HRD-700"


In the power on state, push the switch to the Bluetooth "BT" position, the Bluetooth "indicator light is flashing, turn on the mobile phone Bluetooth, search for Bluetooth devices, click the Bluetooth connection generation name" HRD-700 "in the" available devices ", and hear the English prompt tone: THE BLUETOOTH HERE SUCCESSFULLY (meaning: the Bluetooth connection is successfully broadcast here) after successful pairing. After the connection is successful, the "indicator light" is always on. You can operate the mobile phone or the device to carry out corresponding controls, such as volume, up and down music, etc.

After the device is successfully connected, if it is shut down or converted, the device can be connected automatically without pairing when it is restarted , after connection, Bluetooth "music symbol always on , then short press "▶" button or turn on music on setting , Bluetooth music can be played successfully.

The effective distance of Bluetooth reception is  $\leq 10\text{m}$ . It can be easily connected with Bluetooth devices of notebook computers, mobile phones, PDA and other digital products to realize wireless transmission of music.

### 5.7 : TF Card Play Operation :

When the machine is on , push switch to TF card "M\_PLAY" gear

 hes , indicating that TF card is waited to be inserted.  
TF CARD , Insert the TF Card in the correct direction next to the TF card slot ,  
ted, " "indicator light is always on , play MP3 music.  
ing TF Card correctly :



The correct way of taking out TF card , press lightly the TF card, and it will rebound out ( Please don't pull out).

### 5.8 : Cancel sleep shutdown function:

In Bluetooth playing/TF card playback mode , short press "SET" button to choose sound quality EQ mode ,

There are six options:

The EQ sound effect corresponding to digital indicator light is

1 : NORMAL, 2:POP, 3 : ROCK ,4: JAZZ,

5: CLASSIC, 6: COUNTRY

Do not operate the current EQ sound quality after the default adjustment within 3 seconds, and the EQ indicator light goes out.

### 5.9 : Set automatic shutdown (sleep) operation :

Long press "SET" button for two seconds , sleep mode " " indicator light and number 1-7 indicator light on , start 70 minutes of sleep shutdown function( Each light represents : 10 minutes ) , press "SET" button again to adjust sleep shutdown time. After adjusting the time, do not operate the default current adjustment time in 5 seconds. When shutdown time comes, it will automatically shut down. Sleep shutdown time are respectively : 70 minutes , 60 minutes , 50 minutes , 40 minutes , 30 minutes , 20 minutes , 10 minutes , NO ( cancel sleep shutdown function ) .

## 6 : USB Socket/ Charging Indicator Light:

In the process of using , press MOD button lightly. when battery indicator light on , you can see the battery usage. when power quantity number “1-7”indicator light is off and “□”light flashes , the battery quantity is not enough. Please charge in time without affecting normal use. It is recommended to use charging equipment with output voltage of DC5V / 1a-dc3a to charge, so as to avoid damage to lithium battery or equipment.

When the lithium battery is not used for a long time, be sure to take it out and store it separately, and ensure that it is charged once a month.

Insert the large end of the attached power cord into the USB socket of the computer host or other 5V USB power adapter, and insert the small end into the “ DC 5V” jack on the back of the machine to charge, or it can be used as an external power supply. Plug in the USB charging cable battery, “□”indicator light flashes. When the battery is fully charged, “□”indicator light stops flashing. Generally, the charging time is about 3-4 hours.

## 7 : Start music spectrum lamp :

In normal startup state , short press “MOD” the second time to start music spectrum lamp. The music spectrum light flashes from high to low, from low to high, changing with the music melody.

Turn off the music spectrum light: press the MOD key again to turn it off.

## 8 : The Use of Antenna :

When listening to short wave & FM Radio & WB weather band, pull out the antenna and change the length and direction to find the best receiving position.

\* Tip: if strong radio interference causes crosstalk, you can shorten the pull rod antenna.

Listen to the medium wave broadcast. The machine uses a built-in magnetic antenna to receive the medium wave. The magnetic antenna has a certain directivity when receiving the signal. Therefore, when listening to the medium wave, rotate the direction of the body appropriately to find the best listening effect position.

## 9. Main Technical Parameters :

Receiving Range	MW : 522-1620KHZ (Medium Wave Step Value 9KHZ) 520-1710KHZ ( Medium Wave Step Value 10KHZ) FM: 87-108MHZ SW:5.70-17.90MHZ WB:162.400-162.550MHZ
Receiving Sensitivity	FM: ≤8dB MW: ≤86dB SW: ≤32dB

Quiescent Current	≤60uA
Maximum Current	≤650MA
Speaker	Φ40mm/4Ω/3W
Signal to Noise Ratio	FM: ≥40dB MW: ≥30dB SW: ≥40dB
Radio Mode Storage Quantity	110 can be stored. ( 20 Frequency Modulations , 20 Medium Waves , 70 Short Waves )
Bluetooth Edition	VER 5.0
Bluetooth Receiving Distance	≤10 meters
Minimum Operating Voltage	3.4V
External Input Voltage	Direct Current : DC.5v
Lithium Battery	BL5C Lithium Battery : 3.7v 1000mAh
TF Card Playing Format	Support AV & WMA
TF Card Maximum Supported Capacity	256G
Channel Selection Mode	Coding pulley switch station adjustment / full-automatic search and storage station
Product Size	89.2X61X37.8MM
Net Weight	100g

## 10.Matters Needing Attention :

Before use, you should ensure to follow the following basic safety tips to ensure the safe and reliable use of the product :

- ◆ Read and understand all safety guidelines and use information.
- ◆ When the battery symbol space is used or the outer frame of the battery symbol flashes, it indicates that the battery is low. Please charge the machine to avoid affecting normal use.
- ◆ It is recommended to use charging equipment with output voltage of DC5V / 1A-DC3A to charge, so as to avoid damage to lithium battery or equipment.
- ◆ When the lithium battery is not used for a long time, be sure to take it out and store it separately, and ensure that it is charged once a month.
- ◆ Do not expose this product to rain, moisture, drip or splash any liquid.
- ◆ Do not let this product close to high-temperature heat source, and do not barbecue or blow dry at high temperature.
- ◆ Do not expose to direct sunlight for a long time.
- ◆ Do not let this product fall or be impacted, or apply heavy pressure on it.