

Mini FM Radio.BT Player

Operational

Thank you for your purchase, please read the operation instructions before use, and please keep it safe for future reference.



1: Product overview

☞ This product is a radio programmed by DSP software, with high sensitivity and stable signal.

☞ The Bluetooth connection of version 5.0 can be used for short-distance music transmission (receiving distance ≤ 10 meters) to achieve wireless music transmission.

☞ This product supports the conversion of FM signals into Bluetooth signals to be transmitted to Bluetooth **earphones** for listening. Create more convenience for users.

☞ Use high-quality speakers, sound comfortable. You can plug in **Earphones** to listen.

☞ COG module Display, The display content is abundant: FM frequency point, working mode, storage station, take station indication, volume level, time, date and other related content, to give the user a clear operation instruction.

☞ Radio search station mode: automatic search station, automatic search station, manual search station.

☞ Radio storage mode: manual storage, automatic scanning storage radio.


☞ Radio chip capacity is large, storage stations can be stored 30, and has the shutdown memory function.

☞ Support for lock, Adjustable alarm clock, Backlight, The product function is very humanized.

☞ The use of steel tie rod antenna is not easy to bend and break, and the received signal is more stable.





☞ Charge using the Type-C charging jack.

2: introduction to COG module Display

| | |
|---|-----------------------------------|
| Welcome to Digital Radio | Displays content when powered on |
| Standby | Enter standby mode |
| Set time | Set time |
| Set 12/24 hour 24h | Set the 12 hour /24 hour format |
| Time Saved | update adjust time successful |
| Time Not Saved | update adjust time not successful |
|  | Enable alarm symbol indicator |

| | |
|---|---|
| Alarm off | Stop the alarm |
| Alarm Setup | Enter alarm Settings |
| Alarm Wizard On time xx:xx | Alarm time setting |
| Alarm Wizard Duration 90-60-45-30-15 | The alarm lasts 90-60-45-30-15 minutes |
| Alarm Wizard Source FM | The alarm tone is a radio broadcast |
| Alarm Wizard Last listened | The alarm clock is the last radio broadcast to be heard before switching off |
| Once | Ring the alarm once |
| Daily | Ring the alarm every day |
| Week days | An alarm goes off during the workday |
| Week ends | Ring the alarm weekends |
| Alarm Not Saved | Alarm clock not saved |


| | |
|--------------------------|---|
| Preset Store | Preset storage |
| Preset **Stored | The storage station is saved successfully |
| Preset Store <x(Empty) > | The store address number is empty |
| p** | Storage/recall address number |
| NO Radio text | No radio information |
| Preset Recall | Recall station |
| Bluetooth Connected | Bluetooth connected |
| Bluetooth Not Connected | Bluetooth not connected |
| Auto Scanning | Fully automatic search and storage stations |

| | |
|--|---|
| TX+ | TX Blinking indicates searching for Bluetooth devices; TX The constant state indicates that the connected device is connected。 |
| Volume  | Volume level indicator symbol |
|  | FM unit |
| FM | FM receiver mode |
| AM | 12 hour format in the morning symbol |
| PM | 12 hour format in the afternoon symbol |
|  | Charge indication symbol |
|  | Battery capacity symbol |








Lock symbol

3: Description of each key function:

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|---|--|
| 【  】 | Power on/off button [see Operation Description 5.1 for details] |
| 【+.-】 | Adjust the volume [See Operation 5.2 for details] |
| 【BAND】 | 1: Set alarm function [see operation introduction point 9 for details] 2: Working mode. Tap to switch Bluetooth/Radio working mode 3: Working mode, enter to the |

| | |
|-----|---|
| | full automatic scan and storage station [details see operation description 5.3.1] |
| 【^】 | 1: Select station/music song/adjust time/adjust alarm clock to increase 2: FM mode,long press to automatically search for stations |
| 【v】 | 1: Select station/Select music song/Adjust time/Adjust alarm clock decrease 2: FM mode,long press to automatically search for stations |

| | |
|---|---|
| MEM | <p>1: Enter the time setting [see operation introduction point 8 for details].</p> <p>2: Radio working mode: long press start manual storage mode; Tap to enter recall station mode.</p> <p>3: Confirm button when you finish Manually store the station, Recall the station.</p> <p>4: Bluetooth playback mode: Pause/switch between playback; Hold down to disconnect the Bluetooth connection.</p> |
|  | <p>1: Long press enter " Lock state; long press again cancel the Lock state.</p> <p>[see operation introduction point 11 for details].</p> <p>2: Radio working mode: Tap to turn on/off the radio signal into Bluetooth signal transmission mode.</p> |

| | |
|---|--|
| DC 5V | Charge status display “  ” symbol Full charge status display “  ” symbol |
|  | earphone 3.5mm earphone jack |


4: Radio charging introduction


When using the Radio for the first time, it is recommended to charging before using it.


The recommended charging adapter parameters are: DC5V/1A-3 A.

5: Function Introduction:


5.1.Power ON/OFF:

Turn on the radio: long press the  button 2 second, LCD display the time state

Tap again  button, Turn on the radio.

Turn off the radio: Tap the  button to turn off the radio.

Tip:

After turn off the radio,Time is displayed, and long press [] key again for 2 seconds to

close the time display, enter the power saving mode.

In the time display state, stop any operation, 10 seconds later, the backlight will automatically turn off and display the clock, and 10 minutes later, the clock will automatically turn off and enter the power saving mode.

5.2: Value Adjustment:

Volume can be adjusted within

"" 16 levels

Powder-on state, tap any key to turn on the backlight, tap the volume [+.-] key to increase or decrease the volume, and long press the volume [+.-] button to adjust the volume rapidly.

5.3: There are three ways to search for radio stations:

- Full automatic scan and storage station
- Automatic search for radio stations
- Manual search for radio stations

FM frequency receiving
range :87.5-108.0MHZ, tuning step value:
0.05MHZ,

5.3.1: Full automatic scan and storage station :

On the Radio working mode, tap any key to turn on the backlight, and long press [BAND] key for 2 seconds to enter "Full automatic scan and storage station" function, the frequency is from the lowest end to the highest end, automatic scan and search radio stations, and automatically store radio stations with signals.

5.3.2: Automatic search for radio stations:

On the Radio working mode, press any key to turn on the backlight, and long press [^] key or [v] key for 2 seconds to start forward or backward automatic search for radio station, and receive radio station to stop search and play the received radio program at this time.

5.3.3.Manual search for radio stations:

On the Radio working mode, press any key to turn on the backlight, and press [^] key [v] key frequency to increase and decrease by the lowest step value: 0.05MHZ.

5.4: Manual storage station operation:

5.4.1: Press the above operation in 5.3.2/5.3.3, adjust to the target frequency point, and long press [MEM] key for 2 seconds. The LCD screen displays "Preset Store <*(Empty) >", (* indicates the address number of storage station), press [^] key or [v] key to select the storage address number, and press [MEM] key to confirm the storage station. LCD screen displays "Preset * Stored" , 2 seconds later the LCD screen displays the currently stored radio station.

5.4.2: If you do not press the [MEM] key to confirm the station within 30 seconds after the station address number is displayed, the station will not be stored.

Tip1: If you do not press the [MEM] key to confirm the station within 30 seconds after the station address number is displayed, the station will not be stored.

Tip2: Long press or light press [^] key or [v] key to search the station, the LCD screen will automatically display "P**" station number when the station is received, indicating that the station has been stored in memory and it is unnecessary to store it in other station number repeatedly.

5.5: Recall station introduction:

Press the above 5.4/5.3.1 operation introduction. After the signal station stored in the radio, press [MEM] key. The LCD screen displays the "Preset Recall" character, as follows: "Preset Recall <1: 105.7MHz >, press [^] key or [v] key to select the storage address number., and press [MEM] key to confirm. If the backlight is off, press any key to turn on the backlight before taking off the console.

6: Bluetooth Mode Introduction:

Bluetooth name of this product: "HRD-205"

Connect Bluetooth operation:

Power-on state, tap [BAND] button to switch to Bluetooth mode

LCD display "Bluetooth Not connected" , "Not connected " flashing , Indicates waiting Bluetooth connection.

After connecting to the mobile phone or computer, the LCD screen displays Bluetooth connected, indicating that the device is connected.

Once connected, turn on your phone/computer music player and click "▶" to play your music.


Press [^] key to enter the next song, press [v] key to return to the previous song.

Tap [MEM] to switch between pause and play.

Long press the [MEM] to disconnect the Bluetooth connection.

7: The radio signal is converted into a Bluetooth transmission operation:

This function can use a Bluetooth **earphone** to listen to the FM signal of the radio, its operation is as follows:

Select the program station of the radio, tap the  key, the LCD screen displays "TX" flashing prompt, at this time, turn on the Bluetooth **earphone**, the radio searches for the nearest Bluetooth device, when the Bluetooth device is found, the automatic connection

After the connection is successful, the radio LCD screen displays the Bluetooth model, and "TX" is often displayed. At this time, the Bluetooth **earphone** can listen to the radio program.

After listening to the Bluetooth **earphone**, the user can also adjust the radio station and take out the favorite radio program.

Use a Bluetooth **earphone** for uninterrupted listening.

Disconnect the Bluetooth **earphone:**

Tap any key to start the backlight screen, tap the **【0】** key, the LCD screen "TX" character disappears, return to the radio normal playback.

[Tip: In the process of connection, you need to turn on the backlight display before you can operate]



8: Run time/date setting operation:

- long press **【0】** button, On time display state, Tap any key to turn on the backlight screen
- long press **【MEM】** button 2 second, LCD display "Set 12/24 hour 24h" ,
- tap **【^】** or **【v】** button to select the 24H or 12H time format
- Tap **【MEM】** again. "Set time xx:xx " is displayed.

A blinking prompt is displayed for xx hours

- Press [^] key or [v] key to adjust the hour time;
- Press [MEM] key "xx" to indicate minute flashing, press [^] key or [v] key to adjust the minute time;
- Press [MEM] key to display date xx on the LCD screen. Press [^] key or [v] key to adjust the date;
- Press [MEM] key "xx" blinks. Press [^] key or [v] key to adjust the month;
- Press [MEM] key Year xx xx blinks. Press [^] key or [v] key to adjust the year
- After Time Saved is displayed on the LCD screen, the adjusted time and date are displayed.

Tip: If you do not press [MEM] to confirm the last adjusted Time after setting the time, it is not saved, and the LCD displays "Time not saved"

9: Alarm setting operation:

On the Time display state. Adjust the current time according to the operation instructions in

point 8.

-Tap **【BAND】** button enable alarm function, LCD display "🔔" symbol;

-Long press **【BAND】** button 2 second, LCD display " Alarm Setup"

-Tap **【BAND】** button, LCD display" On time xx:xx
" xx "hour is flashing, Press [^] or [v] button to adjust the hour of the alarm hour;

-Tap **【BAND】** button" xx "minute is flashing, Press [^] or [v] button to adjust the hour of the alarm minute;

-Tap **【BAND】** button, LCD display" Duration , press **【^】** or **【v】** button,
It can be seen that the numbers 15, 30, 45, 60, and 90 are changing in turn. In this case, the alarm duration is selected

-Tap the **【BAND】** button to display "Source FM" on the LCD screen.

-Press **【BAND】** key to display "Last listened" on the LCD screen. You can also press [^] or [v] button to select the saved radio frequency as

the frequency for the alarm to be played on.

- Tap [BAND] button, The LCD screen displays the alarm date "Daily" or "Once" or "Week days" or "Weekends" In this case, tap [^] or [v] key to select the alarm date.
- Press [BAND] button to display volume level on the LCD screen. Press [^] or [v] key to adjust the volume level of the alarm clock
- Tap the [BAND] button to confirm. The " 🗲 " character on the LCD screen stops blinking.

10: Cancel The Alarm Function:

When the time is displayed, tap [BAND] again to turn off the alarm. The " 🗲 " character on the LCD screen disappears.

11: Lock/Unlock function operations:

11.1: LOCK: Tap any key to start the backlight screen, long press [🔑] key for 2 seconds, LCD screen display "LOCK" prompt, and then display " 🗲 " symbol , at this time, all key functions have been locked.

11.2: Unlock: Tap [🔑] key start the backlight

screen, long press [🔑] key for 2 seconds, LCD screen display

"Unlock" prompt, and the "🔒" symbol disappearing, at this moment, all key functions have been unlocked and resume normal work."

Tip: Lock in the time display state, stop the operation for 10 minutes, the time display automatically extinguished, enter the standby state, automatically release the lock key function, "🔒" symbol disappears with.

12: Use Antenna

Listen to FM radio: The machine adopts a telescopic pull rod antenna to receive FM radio,

* Tip: If the received signal is not clear, or strong radio interference, resulting in a string station, you can change the length of the rod antenna appropriate adjustment.

13: Matters Needing Attention:

Before using this machine, you should ensure that you follow the following basic safety tips to ensure the safe and reliable use of the product

- ◆ Read and understand all safety guidelines and usage information.
- ◆ In the use of the machine electricity " " symbol shows the space, please charge in time, so as not to affect the normal use.
- ◆ It is recommended to use a charging device with an output voltage of DC5V/1A-3A to charge, so as not to cause damage to lithium batteries or equipment.
- ◆ If the machine is not used for a long time, please ensure that the radio is charged once a month.
- ◆ Do not expose this product to rain, moisture, dripping or splashing of any liquid.
- ◆ Do not let this product near high temperature heat source, do not barbecue or blow bake at high temperature.

- ◆ Do not place in direct sunlight for a long time.
- ◆ Do not let the product fall or be hit and put heavy pressure on it.

14: Parameter Specification:

| | |
|--|----------------------|
| FM frequency range | FM: 87.5-108.0MHz |
| SNR | 40dB |
| BT version | V5.0 |
| Receiver distance of FM radio signal to Bluetooth signal | ≅ 20 Meters |
| BT receiving distance | ≅ 20 Meters |
| Storage stations | 30pcs |
| earphone output | 3.5mm ,earphone JACK |
| Loudspeaker | Φ40mm/4Ω/3W |
| External power source | DC5V |
| Minimal working voltage | 3.4V |

| | |
|----------------------|------------------|
| Maximum power output | 280mW |
| Lithium battery | 3.7V 500mAh |
| Quiescent current | 48uA |
| Maximum current | 130mA |
| Stereo separation | 26dB |
| Product size | 93x44.7x22.6MMmm |
| Net weight | 75g |

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.