

Mini Multi-band Radio

Bluetooth | TF Card | APP Intelligent Remote Control | SOS Alarm

User's Manual

(Model: HRD-777)



Sustainable innovation and satisfying users' needs have always been our company's principle in new product R&D. HRD-777 is a digital tuning mini multi-band/multi-functional radio produced by us with all efforts.

Please read this manual carefully before use.

Thank you for buying our product and please keep this manual properly.

1: Outside view and functions

1-1: Functions on the front



1-2: Functions on the back



1-3: Buttons on the top





M	<p>1: Time mode: Long press it to set the light. If the radio is connected to an APP, you can double click it to exit APP connection quickly.</p> <p>2: Receiving mode: Lightly press it to go to the mode of taking a channel (see provision 8.1-8.4). Double click it to search a stored channel automatically. Long press it to select an EQ.</p> <p>3: TF card mode: Lightly press it to select a play mode (see provision 8.6). Long press it to go to EQ selection, and lightly press it again to select an EQ.</p> <p>4: Bluetooth mode: Long press it to select an EQ (see provision 8.5). Double click it to disconnect Bluetooth.</p>
▲	<p>1: Clock display status: At the position of “▲”, push it forward. When the symbol of alarm clock appears, at the position of “▲”, push it forward again to set the alarm clock/auto power on (see provision 10).</p> <p>2: Working mode: At the position of “▲”, push it forward to reduce the volume progressively.</p>
▼	<p>1: Clock display status: At the position of “▼”, push it backward to set the time (see provision 9).</p> <p>2: Working mode: At the position of “▼”, push it backward to increase the volume progressively.</p>
◀	<p>1: Set/adjust the time: At the position of “◀”, push it to the right to adjust the time.</p> <p>2: Receiving mode: At the position of “◀”, push it to the right to increase the frequency progressively. At the position of “◀”, push it to the right for 2 seconds to search a channel automatically. In the mode of taking a channel, at the position of “◀”, push it to the right to select a channel.</p> <p>3: TF card mode: at the position of “◀”, push it to the right to select the next song. At the position of “◀”, push it to the right and hold it for fast forward play.</p> <p>4: Bluetooth mode: at the position of “◀”, push it to the right to select the next song.</p>
▶	<p>1: Set/adjust the time: At the position of “▶”, push it to the left to adjust the time.</p> <p>2: Receiving mode: At the position of “▶”, push it to the left to reduce the frequency progressively. At the position of “▶”, push it to the left for 2 seconds to search a channel automatically. In the mode of taking a channel, at the position of “▶”, push it to the left to select a channel.</p> <p>3: TF card mode: at the position of “▶”, push it to the left to select the previous song. At the position of “▶”, push it to the left and hold it for fast backward play.</p> <p>4: Bluetooth mode: at the position of “▶”, push it to the left to select the previous song.</p>


2: Power ON/OFF


This product uses lithium batteries. Please charge it first before the first use.

The radio is locked in factory by default. Please unlock it first before the first use.




Lightly press “” and “SOS” on the left to turn on the screen and show the time display status. The lock symbol “” appears on the top right corner of LCD.

In the time display status, double click “SOS” to unlock the radio.


Lightly press “” within 10 seconds of unlocking to turn on the radio.

Long press “” to turn off the radio.

3: Set the time of auto power off

In the time display status, lightly press “” to show the sleep power off symbol “”. Lightly press “” to select the time of sleep auto power off from 90, 80, 70, 60, 50, 40, 30, 20 and 10 minutes.

The radio is turned on after two seconds of selecting the time of sleep auto power off.

After the radio is turned on, the symbol “” appears on LCD.

The radio will be turned off automatically at the adjusted time of power off.


4: Replacement of batteries







Push up in direction of arrow to open the battery cover and replace the BL5C lithium batteries.

Align the positive and negative contact points of batteries with the three contact points of battery jar and push up. Pay attention to the positive and negative anodes. Close the battery cover.



5: Adjust the volume




When the radio is turned on, push “” on the top up to increase the volume (level 32 is the max volume) and push it down to reduce the volume (level 0 is the min volume).

5.1 Enable/disable the mute function

In the receiving mode, lightly press “” to enable the mute function. The symbol “” appears on LCD. Lightly press “” again to disable the mute function. The symbol “” disappears.

5.2 Enable the pause/play function


In the TF card/Bluetooth mode, lightly press “” to enable the pause function. The symbol “” appears on LCD.


Lightly press “” again to disable the pause function. The symbol “” disappears and the play symbol “” appears.

6: TYPE-C USB: charge

Charge: We recommend to charge the radio with DC5V/1A-DC3A charger to prevent damage to the lithium batteries or the radio.

If the lithium batteries are not in use for a long time, please charge them every month.

The symbol “” flashes after inserting the USB cable, which means it's charging.

“” means the radio is charged fully. The time of charging fully is 4-5 hours.

Note: The level light on the right means battery level:

The red light is on when battery level is $\leq 30\%$

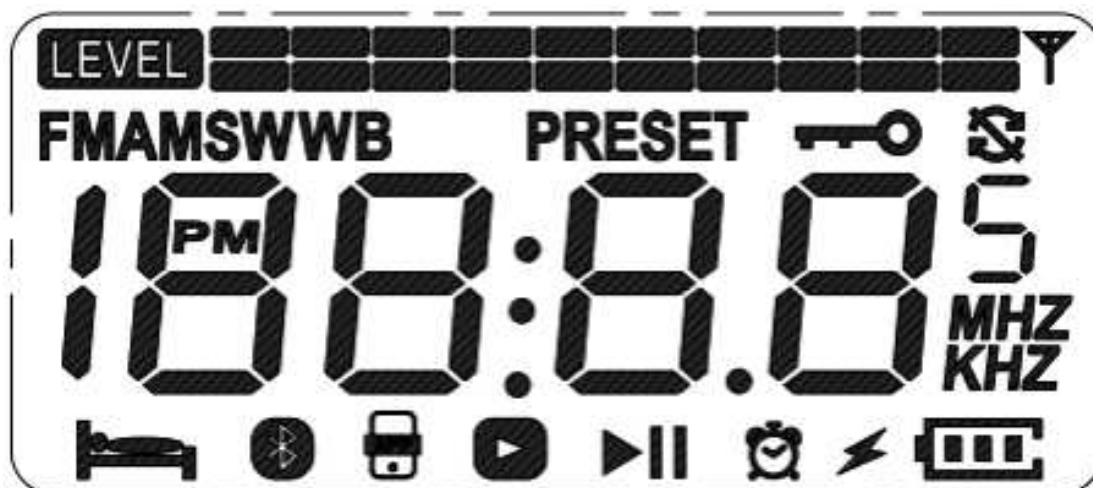
The orange light is on when battery level is $>30\%$ and $\leq 80\%$



















The orange and green light are on when battery level is $>80\%$

The level light flashes when charging.

The level light stops flashing when the radio is charged fully.

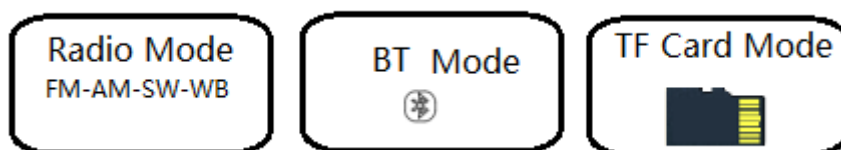
7: Symbols on LCD




	Signal intensity in the receiving mode
	Electric screen in the Bluetooth/TF card mode
FM	Frequency modulation
AM	Amplitude modulation/clock display mode: Morning of 12-hour system
SW	Short wave reception
WB	Weather band reception of North American countries
PRESET	Search, store/taking channels automatically
	All buttons are locked
	Shuttle lock
	FM mode: frequency display/Bluetooth mode: bt/TF mode: play time
	Sleep symbol
	Flashing means searching the Bluetooth device; stopping flashing means the Bluetooth device connected
	APP connection status
	TF card play mode
	Play
	Receiving: mute Bluetooth/TF card: pause
	Scheduled power on/scheduled alarm clock
	Scheduled alarm clock
	Scheduled power on
	USB electricity
	Charge/battery level
MHZ	Unit
KHZ	Unit
PM	Afternoon of 12-hour system
	Flashing mode of decorative lights on the left and right of LCD
	The light will be off automatically after 5 seconds
OFF	The light is off
ON	The light is always on

8: Receiving mode

This product supports the following working modes:





When the radio is turned on, double click “” to switch between the above modes.

8.1: Listen to the radio

This product supports the following four receiving wave ranges:

Country/region	FM	AM	SW	WB
China/Europe/Korea/Taiwan	1: 87.5-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/
North American countries/Canada/Latin America/South America	2: 87.0-108.0MHZ	520-1710KHZ (10KHZ)	4.75-21.85MHZ	162.40-162.55MHZ
Japan	3: 76.0-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/
Russia	4: 64.0-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/

How to select a receiving wave range:

In the time display status, push “” to the right and hold it for 2 seconds to show a number from 87.5/87/64/76 on LCD, and push “” to the left or right to select. The number you select finally will be the default one.

If you select 87, the radio will receive the ranges in item 2.

When the radio is turned on, double click “” to switch between the bands.

Note: Unless otherwise specified, the first frequency will be the default one.

8.2: Use of antenna

8.2.1: When receiving FM/SW/WB, you pull out the rod antenna and change the antenna length to find the best receiving position.

*Reminder: In case of channel chaos due to strong interference, please shorten the antenna.

8.2.2: You must insert the standard AM magnetic antenna to receive AM.

You can rotate the AM antenna 360° to find the best receiving effect.


Random option: T-type antenna.


Open the dustproof plug and insert the standard 3.5mm T-type antenna



8.3 Listen to FM


8.3.1 Methods of searching channels: searching channels manually, search channels automatically, searching channels with shuttle, and searching and storing channels automatically

8.3.1.1: Searching channels manually: push “” to the left or right to increase/decrease the bands progressively at the min step value .

8.3.1.2: Searching channels automatically: push “” to the left or right and hold it to search channels quickly at the min step value. Stop searching after finding a channel and play it.

8.3.1.3: Lightly press “LOCK/SOS” to unlock and rotate the shuttle to select a channel.



Note: Select a channel with shuttle in FM mode. The min step value is 0.05MHz.




8.3.1.4: Searching and storing channels automatically: in receiving mode, double click “” to search and store channels automatically from the lowest frequency to the highest frequency.

In the process of searching channels automatically, the address of storing a channel “CH**” (numbers mean the address of storing a channel) appears on LCD after finding a channel. After a round of search is finished, search will stop automatically and the first frequency stored will be played.


*Reminder: Up to 99 channels can be stored, and 297 channels can be stored in total.

8.3.2: Taking a channel

After searching and storing channels automatically according to provision 8.3.1.4, lightly press “” to go to the mode of taking a channel. “PRESET” appears on LCD. Push “” to the left or right to take a channel.

Lightly press “” to exit the mode of taking a channel. “PRESET” disappears. Now you can push “” to the left or right to search channels. * “NULL” appears after lightly pressing “” means no channel stored.

8.4: Select an EQ

In the receiving mode, long press “” to set the EQ.

“E0.....E6” appears on LCD.


E0: Turn off the EQ


E1: NORMAL, E2: POP, E3: ROCK


E4: JAZZ, E5: CLASSIC, E6: COUNTRY


8.5 Bluetooth mode

Bluetooth name: “HRD-777”


When the radio is working, double click “” to switch to “BT” mode.


The Bluetooth symbol “” flashes on LCD, which means waiting for Bluetooth connection.


After clicking on the phone to connect successfully, the Bluetooth symbol “” always appears.


Double click “” to exit the Bluetooth mode.

You can use the mobile phone or this product to control the volume or select the previous song or the next song.



On the radio, push “” to the right to select the next song



push “” to the left to select the previous song

push “” backward to increase the volume

push “” forward to reduce the volume

Lightly press “LOCK SOS” to unlock the top and rotate the top to select a song quickly.

Play/pause: Lightly press “” to show the pause symbol “” on LCD.

Lightly press “” again to resume play. The play symbol “” appears on LCD.

EQ selection: In Bluetooth mode, long press “” to select from six EQs: E1.....E6.

E1: NORMAL, E2: POP, E3: ROCK

E4: JAZZ, E5: CLASSIC, E6: COUNTRY

8.6: TF card play



打开机器左侧TF卡防尘塞



TF卡轻压进槽






TF卡槽



Install the TF card correctly and close the dustproof cover.


Insert the TF card and give priority to the songs in TF card.


Take out the TF card: By lightly pressing the TF card, it will come out automatically.

(Double click “” to switch to other modes. Or in another mode, double click to switch to the TF card mode)



On the radio, push “” to the right to select the next song, push “” to the right and hold it for fast forward



push “” to the left to select the previous song, push “” to the left and hold it for fast backward


push “” backward to increase the volume

push “” forward to reduce the volume

Lightly press “LOCK SOS” to unlock the top and rotate the top to select a song quickly.

Play/pause: Lightly press “” to show the pause symbol “” on LCD.

Lightly press “” again to resume play. The play symbol “” appears on LCD.

EQ selection: In TF card mode, long press “” to select from six EQs: E1.....E6.

E1: NORMAL, E2: POP, E3: ROCK

E4: JAZZ, E5: CLASSIC, E6: COUNTRY

Selection of play mode

In TF card mode, lightly press “” to show RA, RO, RF and RR on LCD which have the meanings as

follows:

RA: repeat all; RO: repeat one

RF: repeat file; RR: random

TF card supports up to 256G

TF card supports mp3/WMA/WAV /APE/FLAC

TF card supports up to 65,535 files



Reminder:



In case of sound vibration for reason of song source when playing the music in TF card, please adjust the volume.



When the radio is working in receiving and Bluetooth mode, if the music in TF card cannot be played, “Err” appears. If there is something wrong with song source or the TF card is broken, please replace it with a normal one.


9: Set the running time


Lightly press “” or “LOCK SOS” to enable the clock display.

Push “” backward and hold it to enable the “hour” to flash. Push “” to the left or right to adjust the hour.

Push “” backward to enable the “minute” to flash. Push “” to the left or right to adjust the minute.

Push “” backward and push “” to the left or right to select the time system: 12HR/24HR.




Push “” backward again to confirm the final time.





You can also correct the time in APP mode. Lightly press “ Time Service ” to correct current time quickly.


Reminder: “12Hr” time system on LCD: “AM” means morning and “PM” means afternoon.

10: Set the scheduled power on/scheduled alarm clock

Lightly press “” or “LOCK SOS” to enable the time display.



Push “” forward to show the symbol of alarm clock on LCD. Push “” forward again and hold it to enable the hour and the symbol of alarm clock to flash. Push “” to the left or right to select the hour.

Push “” forward to enable the symbol of alarm clock and the minute to flash on LCD. Push “” to the left or right to select the minute. Push “” forward and push “” to the left or right to select.


After selecting scheduled power on “Pon” or scheduled alarm clock “BU2”, push “” forward again to confirm.

Differences between selecting scheduled power on “Pon” and scheduled alarm clock “BU2”:

10.1: Select scheduled power on “Pon”

Push “” forward to show the time of auto power off on LCD. Push “” to the left or right to select the time of power off: 10, 20, 30, 40, 50, 60, 70, 80, 90 and FULL (the radio will not be turned off after being turned on).





Note: The time of power off is calculated in minutes.

Push “” forward to confirm the final selection.



Note: After selecting the mode of auto power on, if the radio is working in Bluetooth mode before power off, you should click on Bluetooth device to play after auto power on. After selecting the time of auto power off after auto power on, the radio will be turned off at the selected time.

The symbol of auto sleep power off “” appears on LCD.

10.2: Select scheduled alarm clock “BU2”

Push “” forward and then push it to the left or right to select a ringtone: “1” and “2”. After selecting, push “” forward to confirm.

“BU2” scheduled alarm clock: At the preset time of alarm clock, the alarm clock will ring louder and louder for 3 minutes every 5 minutes.

By pressing “” and “”, the alarm clock will enter the nap state.

10.3: Disable the alarm clock function



Push “” forward to disable the alarm clock. The alarm clock symbol “” disappears.

11: Set the light

LCD backlight/two decorative lights on the left and right of LCD/key base light/two key lights on the left/level light on the right

The time of turning on the above lights can be selected as follows:

Lightly press “” or “LOCK SOS” to enable the time display.

In the time display state, long press “” for 2 seconds to start the light setting. Push “” to the left or right to select the light mode. The following options can be seen on LCD. The final selection will be the default one.


Options on LCD	Time
ON	The light is always on
AUTO	All lights will be off automatically after 5 seconds
bre	Flash
OFF	The light is off


Note: In the time display state and any light mode, the screen will be off in 10 seconds and enter the power saving mode.


12: Lock/unlock



This product has two lock switches: 1: top lock “”, 2: key & top lock “”.


12.1 Enable the top lock: lightly press “LOCK/SOS” to lock the top knob.


The top knob lock “” appears on LCD, now the knob is locked.

Lightly press “LOCK/SOS” to disable the top knob lock. The top knob lock “” disappears.

*** Note:** After LCD is turned on, the top knob will be locked automatically after 5 seconds in case of no operation and will be used normally after lightly pressing “LOCK/SOS” to enable the top knob lock “”.

12.2 Enable the key and top lock “”: double click “LOCK/SOS” to show “” on LCD. Now SOS key can be used normally, while other keys are locked.

Double click “LOCK/SOS” again, and “” disappears.

The top knob lock “” disappears, now the top knob can be used normally.

13: Enable/disable the SOS alarm function

Power of emergency function: max output of SOS alarm: >3W; power of flashlight: 1W.

Enable the SOS alarm: Long press “LOCK/SOS” for 2 seconds to enable the SOS alarm.

Disable the SOS alarm: Lightly press “LOCK/SOS” to cancel the SOS alarm.

***Note:** This function can be used even if the radio is locked.

14: Connect the earphone with Type-c to 3.5mm USB cable

Type-c to 3.5mm USB cable can be used to connect the radio to the earphone.



打开Type-c防尘塞



用Type-C转3.5mm连接线





插上3.5mm耳机

Receiving range	FM: 64.0-108MHz AM: 520-1710KHz SW: 4.75-21.85MHz WB: 162.40-162.55MHz
Receiving sensitivity	FM $\leq 18\text{dB}$ AM $\leq 86\text{dB}$ SW $\leq 30\text{dB}$ WB $\leq 18\text{dB}$
Quiescent current	$\leq 50\mu\text{A}$
Max current	$\leq 800\text{mA}$
Speaker	4 Ω 3W
Signal to noise ratio	$\geq 40\text{dB}$
Number of channels stored in receiving mode	297
Bluetooth version	VER 5.2
Bluetooth receiving distance	$\leq 10\text{m}$
Min working voltage	3.4V
External input voltage	DC5.0V
Lithium battery	3.7V
Play format of TF card	MP3/WMA/WAV /APE/FLAC
Max capacity of TF card	256G
Dimension	56x75x44mm
Weight	226g (including batteries)

16. Matters needing attention

Please comply with the following safety tips to use this product, ensuring safe and reliable use.

- ◆ Read and know all safety instructions and use information.
- ◆ When the battery symbol “” appears or the frame of the symbol “” flashes, it means low battery level. Please charge the battery timely to ensure normal use.
- ◆ Please use the charging device with input voltage of DC5V/1A-DC3A to charge the battery, or the battery or the device will be probably damaged.
- ◆ If the radio is not in use for a long time, please charge it once a month.
- ◆ Keep the product away from rainwater and damp. Do not drop or splash any liquid onto the product.
- ◆ Keep the product away from high-temperature heat source. Do not bake or blow the product at high temperature.
- ◆ Avoid direct sunlight for a long time.

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.