148*148mm

High-performance All-band Radio
Bluetooth + TF Card + AUX-in Play
Flashlight + Alarm + APP Intelligent
Remote Control
Instructions for Use
(Model: HRD-A320)

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Thanks for buying our product. Before use, please carefully read this instructions for use and keep it properly.

1 Product overview

Our company is aimed to develop new products, adhere to continuous innovation, and pursue the ultimate quality. This HRD-A320 is a DSP digital display multi-band radio supporting APP intelligent remote developed by our company with all-band receiving, Bluetooth music, TF card and AUX-in play modes of Bluetooth, TF card and audio input as speaker. (3.5MM line-in connection to computer with USB data AUX-in; connection to computer for use as card reader. 5W high power amplifier, mega bass, flashlight and SOS alarm. HRD-A320 is an upgrade product of our company's classic models. With multiple functions and more interesting way of searching channels, this product supports key tuning, pulley and shuttle search, and manual pointer search. Multiple ways of searching channels give you unique use experience.

2 Introduction to product functions

2.1: This product realizes multi-band reception of AIR, FM, MW, SW and SW short wave broadcasting, and has high-sensitivity reception sensitivity.
2.2: This product supports mobile APP intelligent remote control (Android and Harmony OS). Within 20m, it realizes close remote control of band switch, mode switching, frequency adjustment, volume adjustment, and Bluetooth music playing.
2.3: This product supports Bluetooth music playing, gives a new use experience.
2.4: This product uses advanced audio technology to connect Bluetooth for wireless music play. It supports MP3, WMA, WAV, APE, FLAC and TF play up to 256G.
2.4: This product has a dual purpose TYPE-C jack which supports charging and supports connection between this product and computer with USB cable for use as external speaker of audio input.
2.5: This product uses 18650 ultra-large capacity lithium battery with long life. The battery can be removed. Longer product life.
2.6: In the mode of reception, this product supports digital tuning, manual tuning, pulley search and other ways of search, giving users more fun of use.
2.7: Special design of appearance of this product: full automatic channel search and automatic channel storage, manual channel storage, and automatic channel search.
2.8: This product adopts 2.4 inch wide-view-angle and wide-reception sensitivity.
2.9: This product has a FM frequency; AM frequency range changes with PIE. With no-load internal battery, it can be used for 3 hours at the maximum volume.
2.10: FM-band (optional): 87.5-108MHZ; AM-band (optional): 2: FW:87.0-108MHZ/ AM:520-1710KHZ (Step value: 10KHZ)
3: FW:87.5-108MHZ/ AM:522-1620KHZ (Step value: 9KHZ)
4: FW:87.5-108MHZ/ AM:522-1710KHZ (Step value: 9KHZ)
5: FW:87.5-108MHZ/ AM:531-1602KHZ (Step value: 9KHZ)
6: FW:87.5-108MHZ/ AM:531-1710KHZ (Step value: 9KHZ)
2.10: In the mode of play, this product can start the marquee and give you wonderful music melody.
2.11: This product provides BASS effect and supports listening to music with earphone. It supports connection to earphone with USB cable for use as external speaker of audio input.
2.12: This product uses 18650 ultra-large capacity lithium battery with long life. The battery can be removed. Longer product life.
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3: Packing list

Name	Quantity
HRD-A320 high-performance all-band radio	1
Strap	1
18650 lithium battery，2,000mah 3.7V	1
USB TYPE-C charging cable	1
Instructions for Use	1
Small screwdriver	1
Packing box	1

4: Download of mobile APP
(see the APP installation on reference appendix)

Step 1: Turn on the radio

Step 2: Install the APP

Step 3: Successful installation on mobile

Step 4: Click to enter the APP

Click "HRD-A320-BLE" to connect the APP. To disconnect the APP, lightly press "⏻" button for turn off the radio and show the time, lightly press "⏻" button for turn on the radio and show the time, and APP will be disconnected.
To learn more about the functions of APP, please the APP instructions for Use

5: Function of buttons

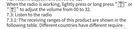
In the mode of SW, when any range is chosen, the mode of manual tuning and search in one of ranges.
When the time is displayed, long press "SET" button for 2 seconds to enter the mode of channel storage, the address of storing a channel in the mode of FM, AM, SW, LW, MW and WB, pull out the antenna and change its length and direction to find the best position for better reception effect.
When the time is displayed, long press "SET" button for 2 seconds to enter the mode of FM, when searching channels manually using the knob, lightly press "SUB BAND" to switch between receiving frequency ranges.
In the mode of FM, lightly press "SET" button for 2 seconds to enter the mode of FM, when searching channels automatically and the program of the first frequency stored will be automatically searched.
Number of channels stored of every band: 199, 995 channels in total (except WB).
Warm prompt: the number of the channels stored depends on local signal intensity.
7.3.1: Manual channel search: Lightly press "⏮/⏭" or "⏮/⏭", the frequency will be increased or reduced by 0.1 unit.
Mini step value of FM: 0.1MHZ, Mini step value of MF: 0.01MHZ
Mini step value of MW: 9KHZ / 10KHZ
Mini step value of SW: 5KHZ
Mini step value of SW: 0.0005KHZ
7.3.2.2: Semi-automatic channel search: long "⏮/⏭" or "⏮/⏭" for 2 seconds, the radio will stop at each channel based the mini step value of each band, will stop search after receiving the signal of the station.
7.3.2.3: Automatic channel search and storage: in the mode of reception, long press "⏮/⏭" for 2 seconds to

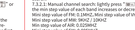
automatically search and store channels from the lowest frequency to the highest frequency of current band. The radio will search will stop automatically.
The process of automatic search: "PRESET 01-PRESET 07" appears on the top right of LCD (the number means the number of the channel stored).
After a round of search is finished, search will stop automatically and the program of the first frequency stored will be automatically searched.
Number of channels stored of every band: 199, 995 channels in total (except WB).
Warm prompt: the number of channels stored depends on local signal intensity.
7.3.2.4: Manual channel search: lightly press "⏮/⏭" or "⏮/⏭", the frequency will be increased or reduced by 0.1 unit.
Mini step value of FM: 0.1MHZ, Mini step value of MF: 0.01MHZ
Mini step value of MW: 9KHZ / 10KHZ
Mini step value of SW: 5KHZ
Mini step value of SW: 0.0005KHZ
7.3.2.5: Semi-automatic channel search: long "⏮/⏭" or "⏮/⏭" for 2 seconds, the radio will stop at each channel based the mini step value of each band, will stop search after receiving the signal of the station.
7.3.2.6: Full automatic channel search and storage: in the mode of reception, long press "⏮/⏭" for 2 seconds to

rough frequency adjustment and doesn' t support accurate manual channel search using the knob, which means that the frequency displayed is not the accurate frequency.
In the mode of FM, when searching channels, the radio will stop automatically.
In the mode of FM, when searching channels manually using the knob, lightly press "SUB BAND" to switch between receiving frequency ranges.
In the mode of FM, lightly press "SUB BAND" to switch between receiving frequency ranges.
In the mode of FM, when searching channels automatically, the program of the first frequency stored will be automatically searched.
Number of channels stored of every band: 199, 995 channels in total (except WB).
Warm prompt: the number of channels stored depends on local signal intensity.
7.3.2.7: Manual channel search: in the mode of reception, rotate the shuttle knob on the right of radio " knob" to choose a channel up and down.
Mini step value of FM: 0.1MHZ, Mini step value of MF: 0.01MHZ
Mini step value of MW: 9KHZ / 10KHZ
Mini step value of SW: 5KHZ
Mini step value of SW: 0.0005KHZ
7.3.2.8: Semi-automatic channel search: long "⏮/⏭" or "⏮/⏭" for 2 seconds, the radio will stop at each channel based the mini step value of each band, will stop search after receiving the signal of the station.
7.3.2.9: Full automatic channel search and storage: in the mode of reception, long press "⏮/⏭" for 2 seconds to

7: Functions of symbols

7.1.1: "⏻" power on/off: this product has built-in lithium battery, long press "⏻" button for 2 seconds to turn on the power, long press "⏻" button for 2 seconds to turn off the power.
When the radio is powered on, lightly press "⏻" for 2 seconds to turn off the radio. Time will be shown after the radio is turned off.





The above four receiving ranges can be adjusted as required: the mode of receiving and the backlightdime display is off. To return to check the time, lightly press "⏻" button for 2 seconds. The time will be displayed. Before the first use, please fully charge the radio first.
7.1.2: Backlight switch: lightly press "⏻" button on the backlightdime display. Long press "⏻" button for 2 seconds to set the sleep time. When the sleep time is displayed, lightly press "⏻" button to choose from the three sleep time: 10-20-30-40-50-60-90-120-240-360-480-540-600-720-840-960 minutes of automatic power off for sleep, "⏻" is displayed in LCD.
7.2: Volume adjustment (level: 00-32):
When the radio is working, lightly press or long press "⏻" or "⏻" button to adjust the volume from 00 to 32.
7.3: Listen to the radio:
7.3.1: The receiving ranges of this product are shown in the following table. The different countries have different receiving ranges for FM and AM. Here are four receiving ranges. The first one is default value in factory.

1	FM 87.5MHZ-108MHZ	AM 520KHZ-1710KHZ	SW 2.3MHZ-21.85MHZ
2	FM 87.0MHZ-108MHZ	AM 520KHZ-1710KHZ	SW 2.3MHZ-21.85MHZ
3	FM 87.5MHZ-108MHZ	AM 522KHZ-1620KHZ	SW 2.3MHZ-21.85MHZ
4	FM 87.5MHZ-108MHZ	AM 522KHZ-1710KHZ	SW 2.3MHZ-21.85MHZ
5	FM 87.5MHZ-108MHZ	AM 531KHZ-1602KHZ	SW 2.3MHZ-21.85MHZ
6	FM 87.5MHZ-108MHZ	AM 531KHZ-1710KHZ	SW 2.3MHZ-21.85MHZ

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.