

Signal Repeater Operation Guide

Model: HRD-802/W3



Thank you for your purchase. Before using it, please read this operation guide carefully and keep it properly for future reference.

1: product brief introduction

Indoor hard-to-receive radio signal, indoor receive SW, MW, AIR signal...It is even more difficult.

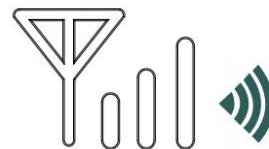
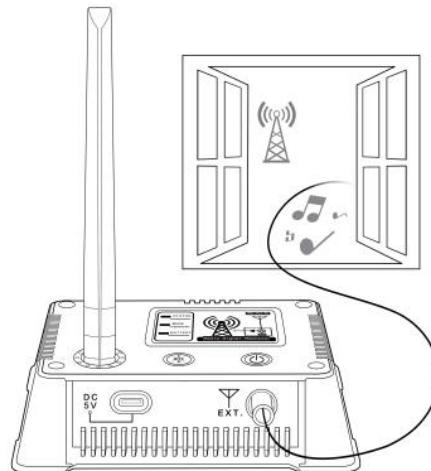
Affected by the height of the floor and the building's steel bars?Interference from high-power electrical appliances?

Affected by the indoor daylight lamp? ...

Now, with Hanrongda's newly launched signal adapter HRD-802/W3, the outdoor signals have been brought in. It is a magic device for radios, allowing the sound of the radio waves to be heard everywhere.

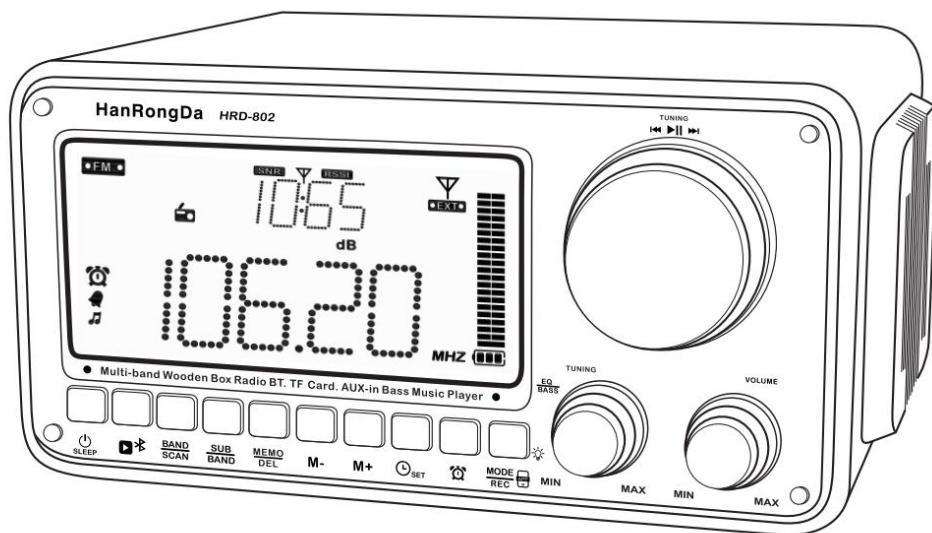
Using the accompanying radio: HRD-802, the problem of weak signal reception indoors is now easily solved.

The usage scenario is as shown in the following figure:



Signal repeater(HRD-802/W3) -
Receive - Outdoor signal
HRD-802

Transmit to
the radio: HRD-802



Optimize the FM receive sensitivity of HRD-802, and it
can easily receive MW, SW... indoors.

Tips:

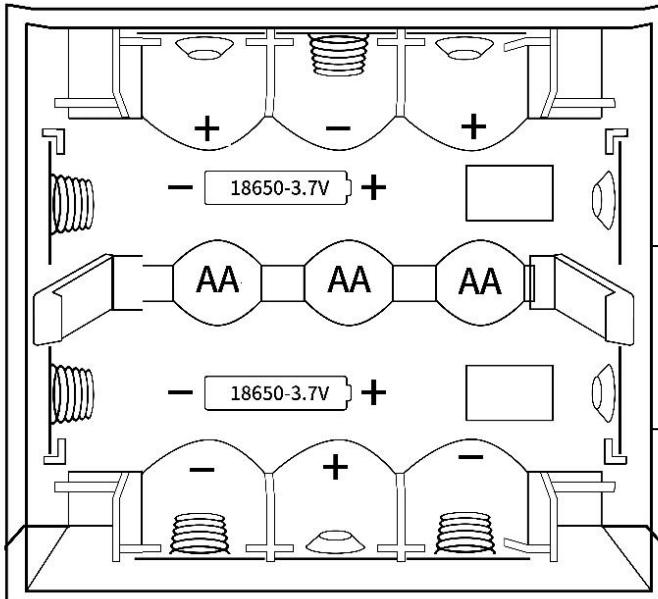
- This Signal repeater is only used as a dedicated radio model HRD-802.
- The receiving antenna must be placed in an area with good signal reception.
- The optimal usage distance for the signal repeater and the HRD-802 radio is approximately ≤ 35 Metres
(Wall partition used, distance ≤ 10 meters)

2: Installed batteries

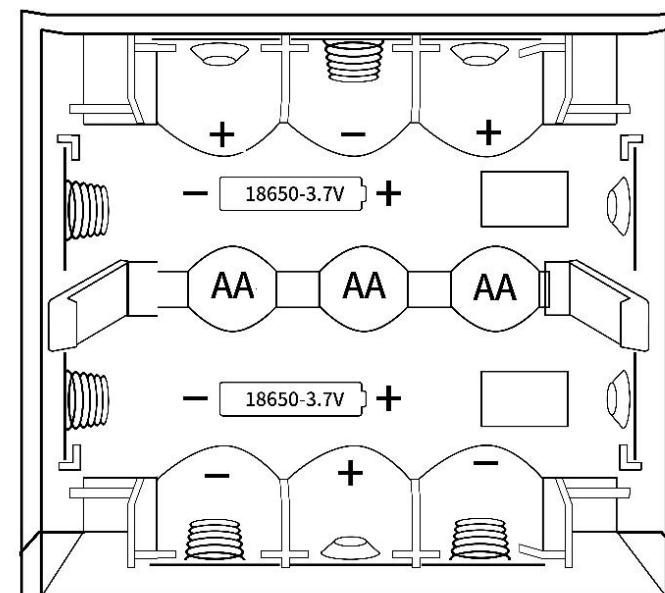
Open the bottom battery cover of the signal repeater and install the battery correctly.

The battery compartment is designed to accommodate two types of batteries:

18650 lithium batteries or 3x1.5V AA batteries.



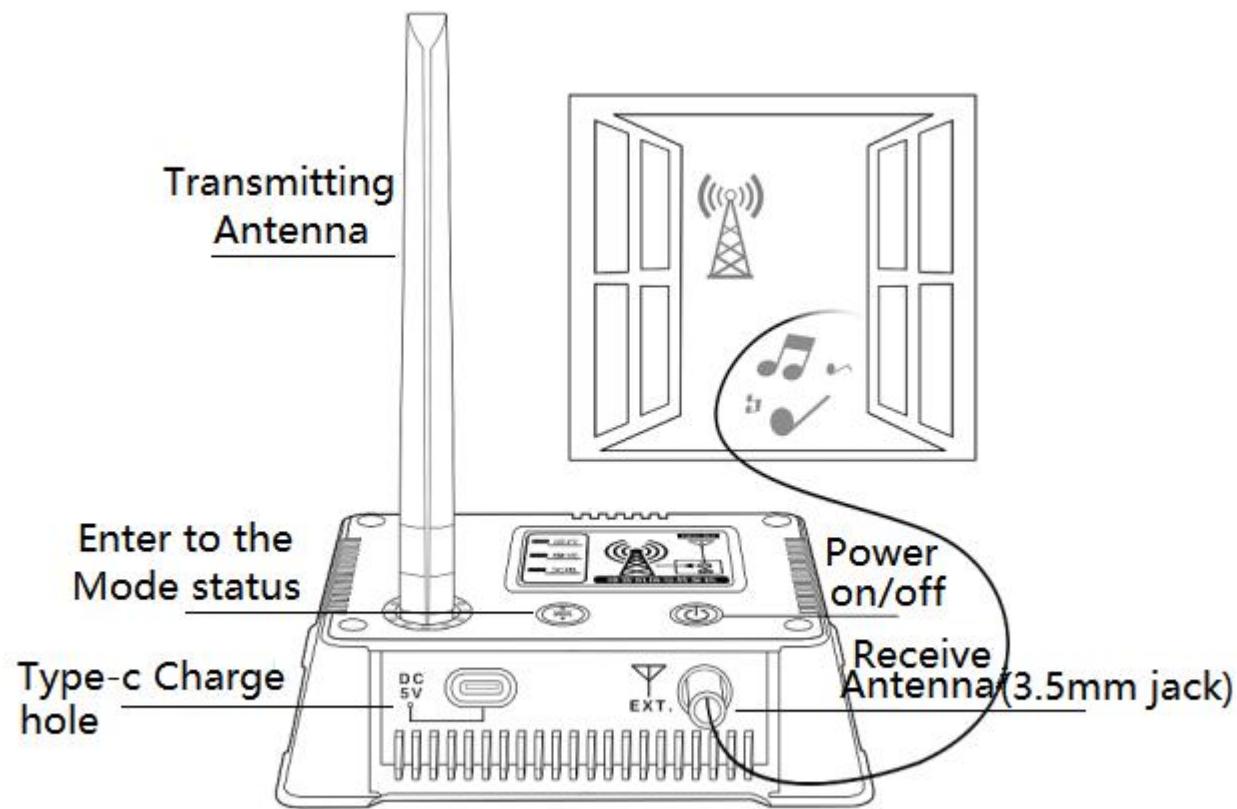
Use one or two 18650 lithium battery cells.



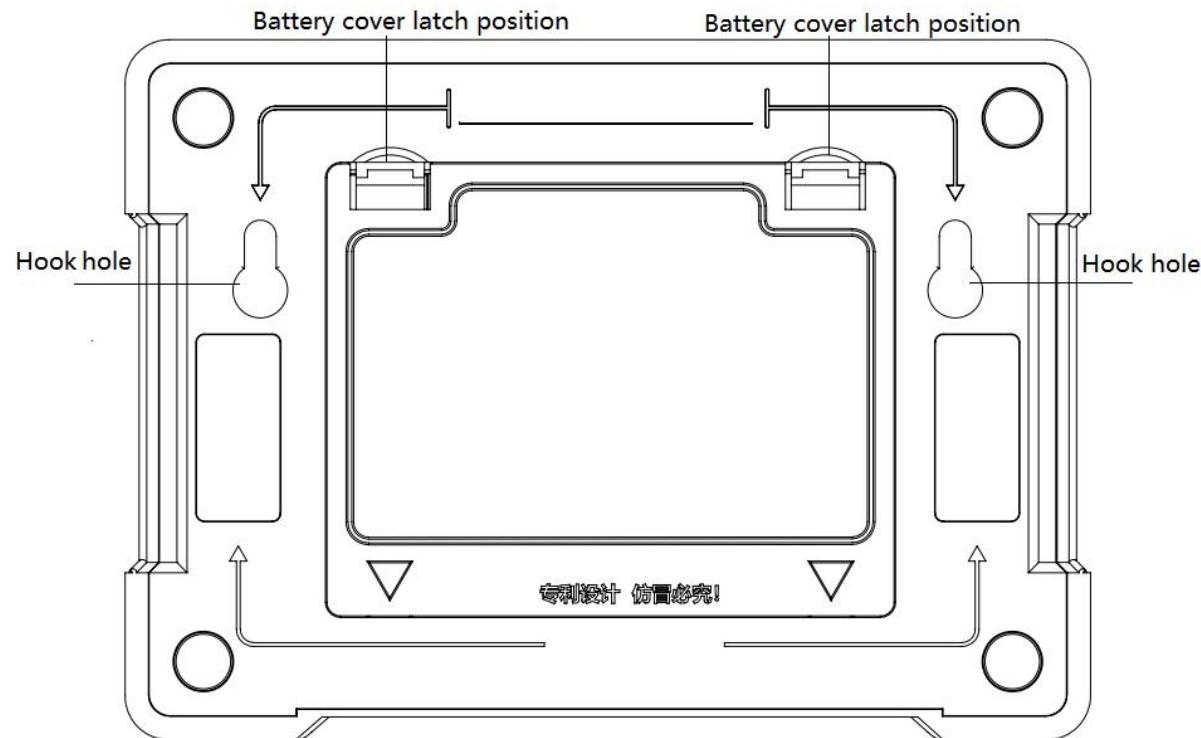
Use 3x1.5V AA batteries

3: Description of the Button

Front



Back shell



Select the location for installing the signal repeater:

It is suggested that the signal repeater be placed near an indoor window so as to receive the outdoor signal more effectively. The factory-installed accessories include "punch-free hook ". Can be hung on the window for using. As long as the location is good, you can freely place the signal repeater either by the window or on the balcony inside the room for using.

Receive Antenna:

The standard factory length is 3 meters.

The clips attached to the line can be used to attach to the curtains. Alternatively, you can simply lay the antenna out straight.

Tip:Please retrieve the antenna promptly after use.

Transmitting Antenna: Rotate clockwise to tighten the antenna. Rotate counterclockwise to remove the transmitting antenna.



: After connecting the receive antenna and the transmitting antenna together.

Short press the [] button,turn on the signal repeater.

Long press the [] button,turn off the signal repeater.

●After turning off the 802 radio, the signal repeater will automatically shut down after 1 minute.



: Short press the [MODE] button,turn on the signal repeater,after turn on the signal repeater, long press the [MODE] button,enter to Mode status,it is Automatic Wake-Up Mode.

When this mode is in operation, the power consumption is relatively low and the standby time is also longer.

After activate the wake-up mode, when awakened, the MODE light will be on.

If the 802 radio is connected, the signal repeater will enter a low-power mode.

Each awakening time is 60 seconds. If the 802 radio is not turned on, it will increase as the number of awakenings increases.

The relationship between the awakening frequency and duration is as follow:

Times of wake-up	Wake up at regular intervals
1~4	60 sencods
5~9	120 sencods
10~14	300 sencods
15~19	600 sencods
20~24	900 sencods
25>	1200 sencods

If the power-off mode is not turned off, after pressing and holding the [] key to shut down the device, the wake-up function will be automatically activated.

Turn off the MODE status: Long press the [MODE] button, MODE red indicator light turn off, indicating that the mode is turned off.

Type-c Charge hole: Connect DC5V to charge the device

- When charging, it will reduce the reception performance of the radio. After fully charging, connect the radio and the signal repeater for use together.
- Or you can use it after disconnecting the signal repeater connector of the radio.

4: Indicator Light Explanati

Flashing status: Turn on the device and search for the 802 radio to establish a connection.

Constant on status : The 802 radio has been successfully connected.

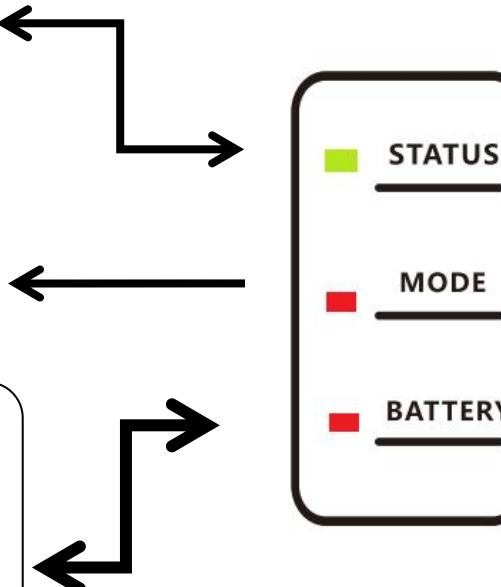
Light is off: powered off.

Constant on status : Turn on the automatic wake-up mode

Light is off: Turn on the automatic wake-up mode

Flashing status : low battery level. Please charge it promptly./ Charging indicator

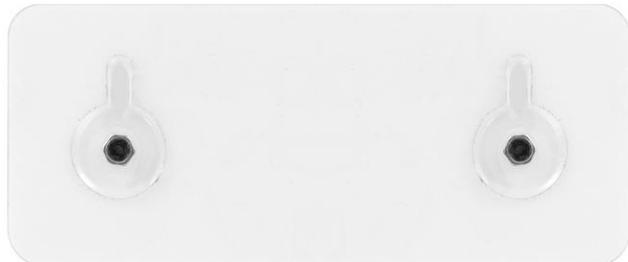
Constant on status: fully charged



5: The method of hanging the signal repeater on glass or the wall

Step1: Select the optimal location indoors for placing the "signal repeater"

Step2: Find the standard factory accessories: "punch-free hook"



Step3: Wipe the dirt off the glass or the walls

Step4: Remove the adhesive at the bottom of the "punch-free hook" so that it can be attached to the glass or the wall.

Step5: After applying it, squeeze out the air inside.

Step6: The screws on both sides have been confirmed to be tightened.

Step7: Attach the two hook holes at the bottom of the "signal Repeater" to the two screw holes of the "punch-free hook" as shown in the picture below:



(Note: The receiving antenna can extend downward directly or can be attached to the curtain from above.)

6: FCC Statement:

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 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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.