

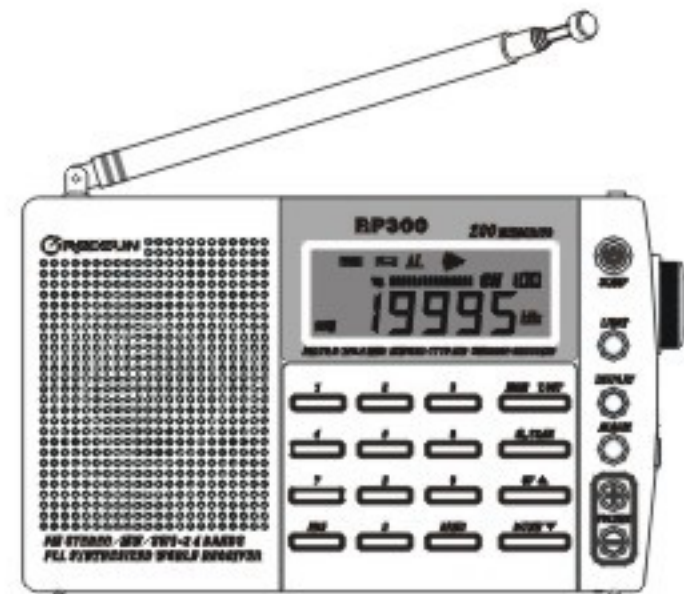


RP-300

FM/MW/SW1/SW2 RADIO

200 memories

## Instruction manual



Please read all the instructions completely before use and save manual for future reference.

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## Before use

**Please read IMPORTANT SAFETY INSTRUCTIONS on page 1 before use. It is important to read and understand all instructions:**

- Read and understand all safety and operating instructions before the radio is operated;
- Retain instructions: the safety and operating instructions shall be retained for future reference;
- Heed warnings: all warnings in operating instructions shall be followed:
  1. Water and moisture: the appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.
  2. Cleaning: unplug the receiver from the DC power outlet before cleaning, use only a damp cloth for cleaning the exterior of the receiver;
  3. Placement: do not place a radio on an unstable cart, stand, bracket and table. The radio may fall, causing serious personal injury or damage to the receiver;
  4. Heat: Never put the radio in direct sunlight in an unventilated area or behind glass like a car interior. The appliances should be away from heat sources such as radiators, heat registers, stoves or other appliances that produce heat;

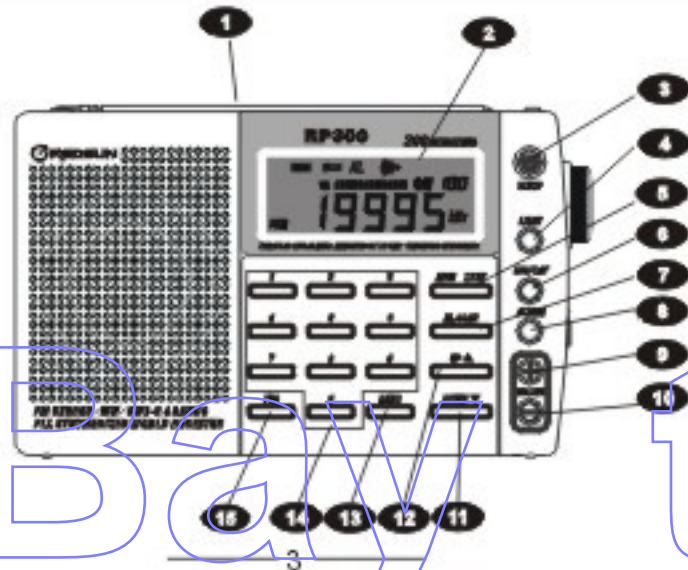
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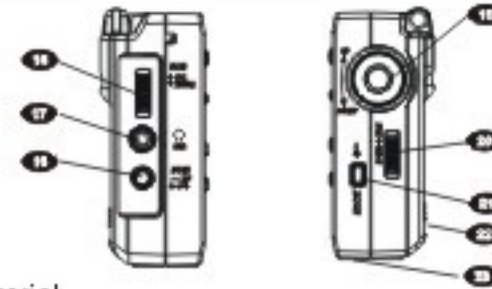
## Main features

- 4 BANDS .FM:70.0-108.0MHz; MW:520-1710kHz(9K),522-1620kHz(10K);SW1:2300-7500kHz; SW 2:9200-22000kHz.AM accuracy 1kHz.
- 200 programmable memories. Memory will remain intact even during power failure because receiver is equipped with EEPROM memory.
- Sleep function, sleep time is selected by "ON-90-85-80-75-...-20-15-10-5".
- Total 16 levels volume control.
- Dual alarm modes: alarm to radio and alarm to buzzer.
- 8 seconds LCD backlight.
- 4 types searching station methods: manual, auto, preset, direct frequency input.
- Low voltage turn off and indicator function.
- FM stereo indicator display function.
- Bass function.
- Lock button function.
- Digital tuning knob.
- Programmable MW step(9K/10K) and hour format.
- DC(3v) power or AA x 2 batteries.

## Button identifications



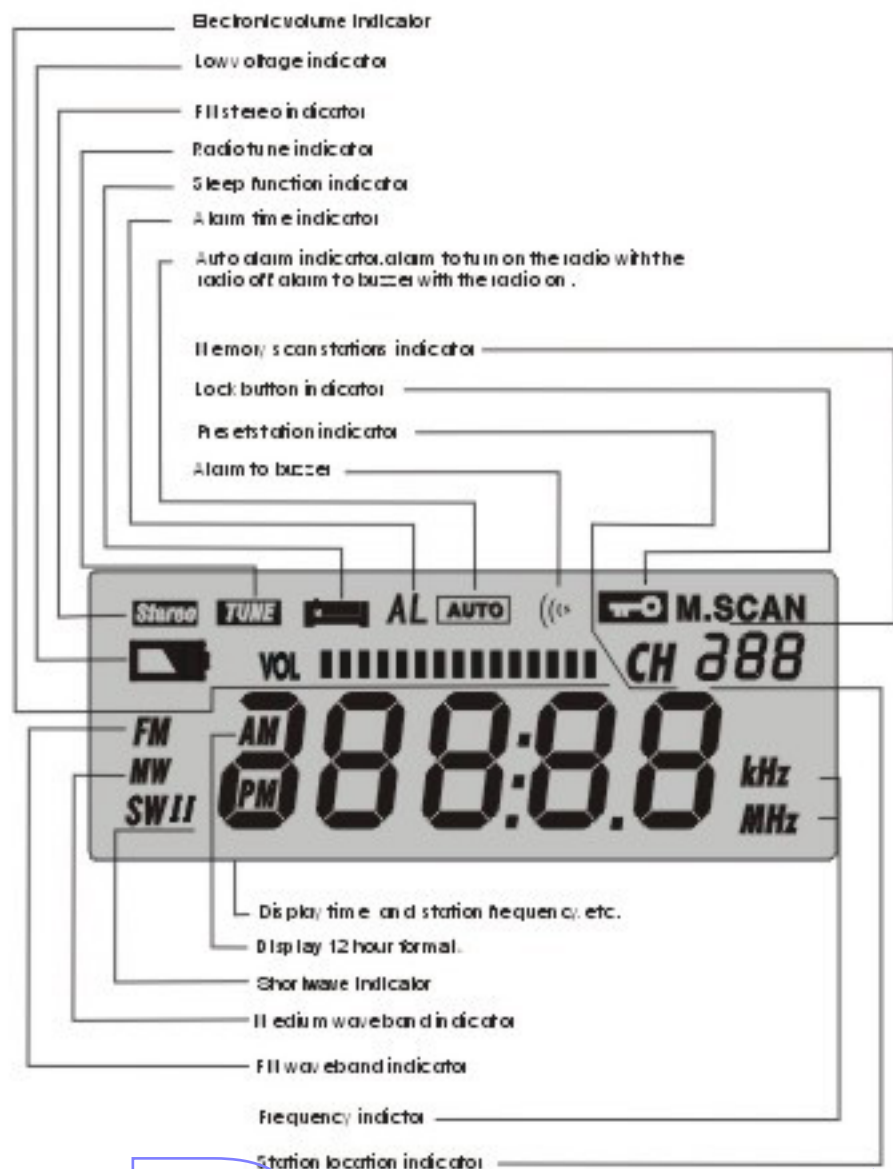
## Button identifications



- 1 Telescopic aerial.
- 2 LCD display panel: showing station frequency, time, etc.
- 3 Sleep: setting power on or off the radio and sleep time. If showing "■" icons the radio will be turned off automatically till the sleep time has been elapsed; if not, the radio will be turned off when pressing it or low voltage has happened with the radio on. In alarm status, press it to stop alarm status.
- 4 Light: press this button to turn on light for 8 seconds.
- 5 Time set/MEM.: pressing this button to set clock time with the radio off; Pressing this button will enter memory operation with radio on.
- 6 Display: press this button one by one to show clock, alarm, MW step, hour format; press and hold down this button for 5 seconds to enter 12/24 hour format change with the radio off; press this button one by one to show station frequency, alarm, clock and elapsed sleep etc with the radio on.
- 7 Memory scan: press this button to scan preset stations.
- 8 Alarm: short press this button to set alarm; press and hold down this button to set the alarm time with the radio off;
- 9 Volume up button: press this button to increase volume;
- 10 Volume down button: press this button to reduce volume;
- 11 Down: press it to adjust time value, station frequency and preset locations.
- 12 Up: press it to adjust time value, station frequency and preset locations.
- 13 Band: press and hold down this button for 5 seconds to change MW step (9K/10K) with the radio off. Press this button to change band with the radio on;
- 14 Number button (0-9): Press these button to get preset locations, frequency value, etc.
- 15 FRE: Press it to enter direct input station frequency function.
- 16 FM/SW DX/Local switch.
- 17 Earphone jack.
- 18 DC jack.
- 19 Digital knob: rotary this knob to adjust time value, station frequency, preset locations, etc.
- 20 Bass switch.
- 21 Lock button.
- 22 Battery compartment.
- 23 Resethole.

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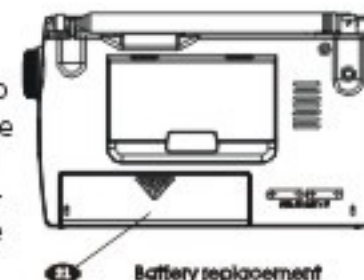
## LCD display



## Power supply

### Battery

- Open the battery cover, and insert two AA batteries in the compartment. Take care to ensure all batteries are inserted with correct polarity as shown beside the battery compartment. Replace the battery cover ⑮.



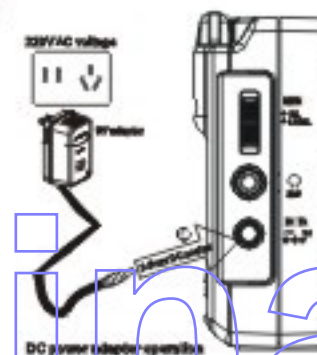
- Please replacing the batteries while blinking displaying the indicator of low voltage.

### Notes:

- Do not use new and old batteries together;
- Take out batteries to avoid leakage if not use for a long period;
- Take care to ensure battery replacement in 15 seconds to prevent the original clock information from missing.

### DC power

- Insert the DC adapter plug into the DC socket ⑯ on the left side of your radio;
- Plug the adapter into a standard mains socket outlet, whenever the adapter is used, the batteries are automatically disconnected; Before you plug the adaptor plug into an outlet, be sure the DC voltage is 3V, the amp is not less than 150mA, center pin negative (+ - -).
- We would recommend to use the adaptor which is the same specifications as above mentioned. Otherwise, it may cause fire or electric shock.



## Time set

### Setting clock time

- Press time set **5** into adjust the clock time until the hour value flash with the radio off.
- Set the hour value using the Up **12** or Down **11** or the rotary digital knob **19** ;
- Press time set **5** again, the minute value will flash, press Up **12** or Down **11** or the rotary digital knob **19** to adjust it;
- Press time set **5** in third time to affirm the clock adjustment.



### Setting alarm time

- Press alarm **8** into adjust the clock time until the alarm hour value flash with the radio off.
- Set the alarm hour value using the Up **12** or Down **11** or the rotary digital knob **19** ;
- Press alarm **8** again, the alarm minute value will flash, press Up **12** or Down **11** or the rotary digital knob **19** to adjust it;
- Press alarm **8** in third time to affirm the alarm time adjustment.

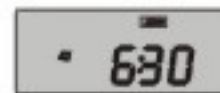


### Alarm function

- Fast press alarm **8**, the "(((" or "AUTO" icons will show in the display.

## Time set

- "(((" : Alarm to auto indicator. To activate this function with the radio off, it indicates the alarm to turn on radio. To use this setting, please turn on the radio and set the desired station and optimum volume. The radio will be turned off automatically with the radio on after 60 minutes; To activate this function with the radio on, it indicates the alarm to buzzer for 3 minutes.
- "((((" : alarm to buzzer indicator, it lasts 3 minutes, in this instance, not use earphone plug in earphone jack.
- The clock is the same as the timer to enter alarm state and will flash "((((" or "AUTO". Press sleep **3** to stop alarm status.



## Radio operation

### Power on

Press Sleep **3** to turn on your radio, the detail refer to page 13 setting the sleep time.



### Select waveband

- Press BAND button **18** to select the desired band on FM, MW, SW1 and SW2;
- Listen to FM and SW, set DX/Local switch **16** on 'DX', when the strong station is encountered, set the DX/Local switch **16** to 'Local'.

## Radio operation

### Search station

#### 1. Manual search

- Circum rotate the digital knob (19) up or down to get the desired station, 100kHz FM step size, 1kHz MW and SW.
- Press up (12) or down (11) to change station frequency to get your desired stations with the radio on, the band step size: 100kHz FM, 9kHz or 10kHz MW, 5kHz SW.

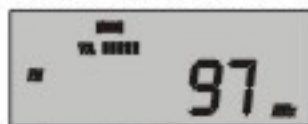
#### 2. Auto scan station

Press and hold down up (12) or Down (11) until the frequency on the display changes continuously, this means the radio into auto scan status, the status will stop automatically as soon as received one strong station.

#### 3. Direct input station frequency

If you want to get the appointed station frequency quickly, you can use FRE (15) and number button (14) to complete it. In case of, the appointed frequency equal FM 97.0MHz, then you can select FM band use band button and press FRE (15) into input frequency status, there has two method to affirm the frequency, the detail as following:

- manual affirm: press number button to get the number of "9", "7", and then press FRE (15) to affirm appointed station frequency.
- automatic affirm: press number button one by one to get the number of "9", "7", "0", and then the unit will receive and display the station of FM 97.0MHz automatically.



Input digits '9' and '7'



Input digit 0 to affirm automatically



Press FRE button to manual affirm



Display "Err" if the frequency is exceeded.

#### Note:

When the entry frequency reaches out the range of present band, and, the "Err" icon will display.

## Radio operation

#### 4. Memory scan

Press Memory scan (7) into search station of the memory status. In this instance, the unit will display 'M.SCAN' and memory address, you can get different station by selecting memory address. There has three methods to get memory address.

4.1: Press UP (12) or Down (11) to change memory address.

4.2: Rotary the digital knob (19) to change memory address.

4.3: Input the number of memory address using number button. The unit has 200 memories, the memory address range is '000-199'.

4.3.1: when you rselected memory address less equal 20, then you must input 3 digits. E. G. when your appointed address is 11, you must input '0', '1', '1' one by one using number button, then the unit will receive and display the stored station in 11th memory automatically,

4.3.2: when you rselected memory address greater than or equal 20, then you input full address number, e.g. when your appointed address is 68, you input '6', '8' one by one using number button, then the unit will receive and display the stored station in 68th memory automatically,



With the memory search state, key in the numeric button "0" / "1" / "1" display progress

### Store station

Press memory (5) into store station status (CH will flash), please use the follow methods to select your appointed memory address, then press memory (5) again, the station frequency will be stored in your appointed memory address.

Press UP (12) or Down (11) to change memory address.

Rotary the digital knob (19) to change memory address.

Input the number of memory address using number button. The unit has 200 memories, the memory address range is '000-199'.

This methods of selecting address is similitude 4.3 on this page.

## Radio operation

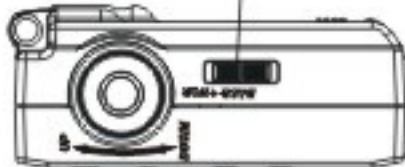


In memory state, key in numeric "1" / "8" and press Mem. button displays

### Select Tone

Slide BASS/NOR button ⑩ switch to select "NOR" or "BASS" sound effect, "BASS" indicates bass sound.

Bass/NOR slide switch



### Volume adjustment

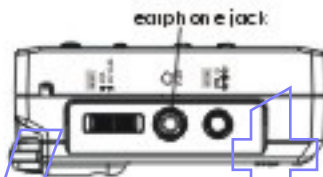
This radio has 16 class electric volume adjustment. Press volume up ⑨ or volume down ⑩ to adjust the volume to get comfortable listening.



the volume increasing process

### Using earphone

- If you want to use earphone to listen the radio, please insert the earphone into earphone jack ⑪ that is a  $\Phi 3.5\text{mm}$  32 ohms stereo jack. When the earphones are plugged in, the loud speaker is disconnected automatically.



## Radio operation

Please disconnect the earphone in order to hear the alarm after you set the alarm function.

### Power off

1030<sup>AL</sup>

Press sleep ⑬ to turn off the radio. display clock with the radio off

## Using the telescopic aerial

### FM reception

This radio is installed telescopic aerial ①, fully extend the antenna and change the direction when listening to the FM stations. Also adjust the direction or shorten aerial to get the best reception.



### SW reception

Full extended the aerial ① and keep it in vertical position to get the best reception.

### MW reception

This radio built in ferrite rod antenna for MW reception. You can change the directions to get the best reception.



Listen to MW


## Other features

### Backlight

Press LIGHT button ④ to turn on the light in the dark condition, the light will automatically turn off after 8 seconds. Press the light button to turn off the light with the light on.

### Sleep function

Press SLEEP button ③ to turn on the radio and set sleep time.

- The digits of "on-90-85-80...-15-10-05" will change when you press it one by one before display the station frequency, the digits is the number of the sleep time.
- "  " icon indicates the radio in the sleep to radio status. For example, if the digits was "60", it indicates the radio will be turned off automatically in 60 minutes.
- " on " showing in the display indicates turn on permanently.



sleep time is 60 minutes



disable sleep function

### Information display

- This radio featured information display. Press display ⑧ to display related information.
- Press display ⑧ one by one to display clock time, alarm time, MW step, hour format with the radio off; press it one by one to display station frequency, alarm time, clock time, sleep time with the radio on.



display MW step



display hour format

## Other features

### Set MW step

When you is listening to MW band, The number of MW step value is increasing or decreasing while pressing up button or down button, I. E. when MW step value equal 9kHz, The number of increasing or decreasing is 9kHz, vice versa. you can select MW step value as the following with the radio off.

- Press and hold down Band ⑬ till display MW step value to change MW step value, In this case, the display step value is what you selected; e.g. when present MW step value is 10kHz, then you. Press Band ⑬ till display MW step value, MW step value changed will be 9kHz.
- When you select 9kHz MW step value, the MW frequency coverage is 522-1620 KHz. When you select 10kHz MW step value, the MW frequency coverage is 520-1710KHz.

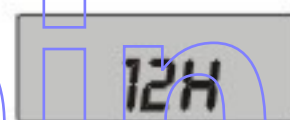
### Set hour format

This radio has 12 or 24 hour format to display the time. You can select hour format as the following with the radio off.

- Press and hold down the display ⑧ till display hour number to change hour format, in this case, the hour number is what you desired. e.g. 12 hour format, press and hold down display ⑧ till display hour format. the hour format value changed will be 24 hour format.
- When 12 hour format is selected, the AM and PM icons will show in the display, if the hour format is 24 hour format, AM and PM icons will not show in the display.



Set MW step



Set hour format

## Other features

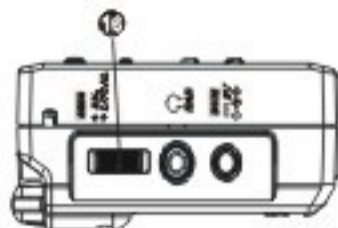
### Low voltage indicator

The low battery symbol "🔋" will flash in the display when the voltage is lower. In this instance, the radio will be turned off automatically with the radio on.



### DX/Local switch

In general, set the DX/LOCAL switch ⑩ on DX position when listening to FM and SW band; set this switch to Local position with the strong FM signal or other interferences. "DX." indicates long distance, "LOCAL" indicates short distance or local.



### Lock function

Press lock ⑪, the "🔒" will appear in the display, all other buttons will be disabled except the light and lock button. Press it again to cancel lock function.

### Reset operation

- This unit built in MCU, when happen the following issues: no display, no press function, display disorder, button control abnormity, receiving station abnormity etc.
- Please follow up the follow up the below operations to resume the unit, insert into reset hole ⑫ with one sharp objects eg. Toothpick and press it OK.

## SPECIFICATIONS

### 1. Frequency coverage

FM	70.0-108.0MHz
MW	522-1620kHz (9k step ) 520-1710kHz (10k step )
SW1	2300-7500 kHz
SW2	9200-22000 kHz

### 2. S/N sensitivity

FM	> 10uV
MW	> 1m v/m
SW	> 30uV

### 3. AM selectivity > 25dB

### 4. 200 Memories

### 5. Power source:

battery	2x LR2 (AA Size)
DC IN	3V 150mA (⊕ ⊖)

### 6. Built in speaker: 25ohms 0.5W

### 7. Earphone socket: 3.5mm 32ohms

### 8. Dimensions: 121 (L) x75 (W) x28 (D)MM

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