

FM/AM 2 BANDS DIGITAL TUNING RADIO

ENVIRONMENTAL PROTECTION



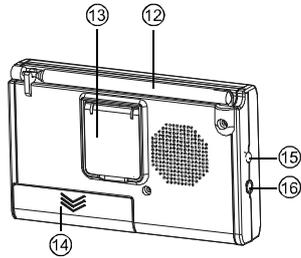
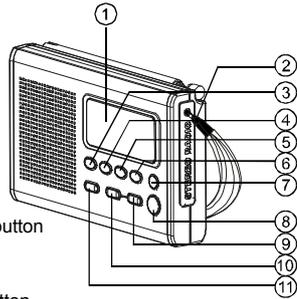
Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging.

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.

APPEARANCE DIAGRAM AND FUNCTION INDICATION

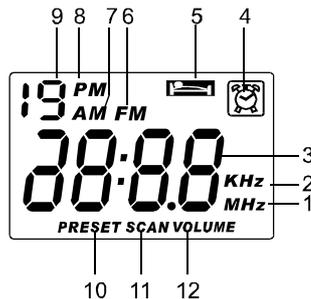
1. Display screen
2. Hand belt
3. Volume-
4. Volume+
5. Down tuning button / time-button
6. Up tuning button / time+button
7. Band conversion button / alarm setting button
8. Power switch button / sleep function button
9. Storage address+
10. Storage address-
11. Store channel button / time mode button



12. Telescopic antenna
13. Back buckle
14. Battery slot
15. External power jack
16. Earphone jack

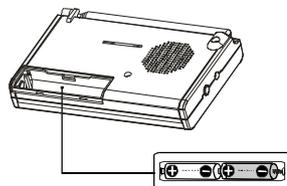
LCD EXPLANATION

1. Frequency unit indication of FM
2. AM frequency unit indication
3. Frequency / time indication
4. Alarm power on indication
5. Sleep function indication
6. FM band indication
7. AM band indication/ forenoon time indication
8. Afternoon time indication
9. Channel storage address indication
10. Channel storage indication
11. Scan storage indication
12. Volume indication



INSTALL THE BATTERY

1. This device uses two AAA batteries. Please install the batteries into the battery box according to the polarity indicated on the radio.
2. Please replace the batteries in time if the volume distorts or is too small when listening.



Advert:

1. The old and new battery or the battery of different types should not be used together.
2. Don't try to charge, heat or break down the battery in order to prevent the leakage of electrolyte or explosion.
3. If the radio is not used for a long time, please take out the battery in case that the electrolyte corrodes the elements inside the product.
4. When the batteries leak electrolyte, it must be dried up with soft cloth before replacement of new batteries.

USE OF EXTERNAL POWER SUPPLY

This radio uses the power adapter with stabilized external power supply and output of DC 3V 300mA. The anode and cathode of the plug is \oplus \ominus .

Note: When the user buys external power adapter for this radio, please choose the stabilized power supply with load voltage less than 3V. Pay attention to the polarity so as not to damage this radio.

OPERATION INSTRUCTION FOR RADIO

1. Conduct short press on the "power switch button" (8) to switch on the radio and the display screen displays the band frequency before switching off last time.
2. Press "band conversion button" (7) to switch the program of FM/AM.
3. Conduct short press on "down tuning button" (5) or "up tuning button" (6) to make search of channels towards the high end or the low end manually.
4. Conduct long press on "down tuning button" (5) or "up tuning button" (6) to make search of channels towards the high end or the low end automatically.
5. Press the "volume -button" (3) or "volume+button" (4) to adjust the volume of radio.
6. Please use the earphone to listen in order not to affect other people to have a rest. Insert it into the "earphone jack" (16) (the speaker inside the radio will be disconnected automatically) and you can listen with the earphone.
7. When you don't want to listen, please press the "power switch button" (8) to switch off the radio and the display screen displays the clock information.
8. This device is set with detachable back hasp to facilitate arrangement.

Note:

Press the power switch button to turn on the radio. It should not exceed two seconds when pressing the power button. Otherwise, it enters the sleep state.

USE OF ANTENNA

1. The magnetic antenna inside the radio is used to listen to the AM. Rotating the radio body can achieve best receiving effect.
2. To listen to FM radio, please pull out the telescopic antenna and obtain the optimal receiving effect by changing the length and direction of the antenna.

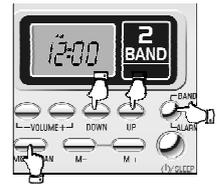
CLOCK SET

This device adopts 12/24-hour system. After batteries are loaded, the clock will run from "12:00".

1. Under the power-off state, if the indicator for alarm power-on "☹" is on the display screen, press "alarm setting button" (7) to cancel.
2. Press the "time mode button" (11) once, the 12/24 hour system flashes. At the flashing state, press "time +button" (6) or "time-button" (5) to select 12 or 24 hour time system.
3. After the time system is set, press "time mode button" (11) once again and the hour number flashes. At the state when the "hour" number flashes, press "time +button" (6) or "time-button" (5) to set the time of hour.
4. After the hour time is set, press "time mode button" (11) once to set the time of minute with the method same to that of setting the hour.

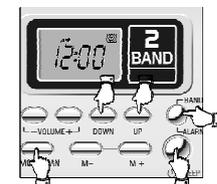
Note:

1. When the time of hour is set, it must be set when the "hour" number flashes.
2. When the time of minute is set, it must be set when the "minute" number flashes.
3. This device adopts 12-hour system. AM on the display screen represents the time in the morning and PM represents the time in the afternoon.



TIME SETTING FOR POWER ON BY ALARM

1. Under the power off state, press "alarm setting button" (7) and the display screen displays the alarm indication "☹" and alarm. this indicates that the radio enters the state of power-on by alarm.
2. Under the power off state, press the "time mode button" (11) once and the indication for alarm power on "☹" and "hour" number on the screen displays. Under the state flash, press "time +button" (6) or "time-button" (5) to set the hour time for alarm power-on.



3. Under the power off state, press the "time mode button" (11) twice, and the indication for alarm power on "☹" and "minute" number on the screen displays. set method same to set the hour time for alarm power-on.
4. If the alarm is due, the radio receives the band frequency before power off automatically.

- The radio will power off automatically after listening for 60 minutes. But the alarm indication is not canceled; the power-on will be repeated on the same time every day.
- To power off in advance, press the "power switch button" (8) to power off.
- To cancel the alarm function, under the power-off state, press time "alarm setting button" (7) to cancel the alarm indication on the display screen.

Warm reminder:

- "rAd" displayed on the display screen stands for the function of power on by alarm and "bu2" stands for the function of alarm clock.
- At the "power-off" state, press the time mode button (11) three times and the display screen displays "rAd" or "bu2". Press time +button (6) or time -button (5) to select use of power on by alarm or alarm clock and press time mode button (11) to confirm.
- The time setting for alarm clock is same to that of power on by alarm.

USE OF SLEEP FUNCTION

This device has sleep function and will automatically powers off at the set time prior to sleep to avoid power waste caused by excessive energization.

- Under power off state, keep the "sleep function button" (8) pressed to power on the device, and the sleep indication "Zzz" and sleep time "90" will be shown on the display screen after 2 seconds, representing that the radio is under sleep state and will auto matically power off after listening "90" minutes.
- Under sleep time display state, press "sleep function button" (8) to adjust the sleep time.
- You can listen to your favorite channel after the sleep time is adjusted and the radio will power off automatically at the sleep time.
- To power off in advance, press "sleep function button" (8) to power off the radio.



The law of sleep time change is as the following:
90-80-70-60-50-40-30-20-10 (cancel sleep function).

AUTOMATIC SEARCH CHANNEL

Under power-on state, keep the "up tuning button" (6) under pressed and release it after 2 seconds, the frequency will search the channel towards high frequency.

Keep the "down tuning button" (5) under pressed and release it after 2 seconds, the frequency will search the channel towards low frequency. Search will stop when the channel is found .

MANUAL SEARCH CHANNEL

Under power-on state, press "up tuning button" (6) to search channels towards high frequency.
Press "down tuning button" (5) to search towards low frequency.



advert:

- Automatic search is suitable for strong signal channel searching.
- During the process of automatic search, if the number on the display screen slows down, it represents that there may be weak signal channel nearby and manual search is applicable.
- Manual search for channel is mainly for the shortcomings of automatic search and scanning storage.

Note:

- In FM band, the frequency increases/decreases 0.1MHz by pressing up/down tuning button once.
- In MW band, the frequency increases/decreases 9 KHz by pressing up/down tuning button once.
- Press up tuning button to search frequency in ascending sequence and press down tuning button to search in descending sequence.

STORE CHANNEL

- Use automatic search or manual search to tune channels.
- Press "store channel button" (11) and the channel storage indicator "PRESET" on the display screen flashes .
- Under the state when "PRESET" flashes, press "storage address+button" (9) or "storage address-button" (10) to select the storage address .
- After the storage address is selected, press the "store channel button" (11) to confirm the storage address. The channel frequency will be stored in the address you set .



Note:

- Every band of this radio can store 20 channels, if the channels exist in the number from 0 to 19, the new frequency stored according to the above method will overwrite the original frequency. Prior to storage operation, the user should check whether the selected channel address has channel.
- When the channel is stored, it must be done under the condition when the channel storage indication "PRESET" flashes. Otherwise, it is invalid.

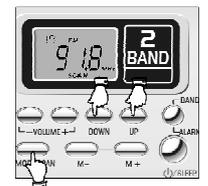
TUNE OUT STORED CHANNELS

- After powering on, press "band conversion button" (7) to select band.
- Press "storage address+button" (9) or "storage address-button" (10) buttons to select the storage address and the radio will tune the channel stored in this address .



STORAGE SCAN

- FM and AM band:** Long press on the "store channel button" (11) for five seconds. The radio will automatically scan channels once from the lowest to the highest frequencies of this band , and save the channels scanned in sequence in the current storage addresses.
- During storage scan, press once "up tuning button" (5) or "down tuning button" (6) the scan is terminated .
- The first channel scanned will be entered after the storage scan is done.



Note:

- The last channel scanned every time may be different.
- Prior to storage scan, please adjust the radio in accordance with items in Use of Antenna, so as to scan more channels.

Advert:

- When listening to the storage-scanned channel, if it is not clear or has noise, please conduct fine tuning with the manual search.
- In terms of storage scan, the previous stored channel will be overwritten when a channel is received.
- Scanning storage is only used within the set band. To scan other bands, please adjust to this band by pressing the band conversion button

PRECAUTIONS

- Avoid fierce collision or falling on the floor.
- Do not place under direct exposure of sunshine, high temperature and humidity.
- Cassette, magnetic card and other magnetic recording software shall be far from the loudspeaker, to avoid that the record contents are cleared or noise is generated on the card (cassette).
- In case of any foreign substance falling into the device, please operate only after being checked by qualified maintenance personnel.
- When listening with an earphone, it should be taken down to stop using at the time of lightening.
- Products of our company are delivered after all indexes are debugged in the factory. Don't dismantle the device at your discretion to adjust the inner elements.
- To clean the shell, please wipe with a soft cloth by dipping with cleaning agent. Please do not use strong solvent such as alcohol and diluting agent.

TECHNICAL INDEXES

- Frequency range
FM: 87.5-108 MHz
AM: 522-1620KHz (9KHz step)
- S/N Sensitivity
FM: better than 6μV
AM: better than 3mV/m
- Single signal selectivity: better than 20dB
- SNR
FM SNR: better than 50dB
AM SNR: better than 40dB
- Power supply ⊕ ⊖ DC 3V
Internal battery 2 AAA batteries
- Maximum current consumption: less than 150mA
- Imbedded loudspeaker: 40mm/8Ω/0.5W
- Size about: 97x60x17mm
- Weight about: 71g (battery excluded)