

SANGEAN

FM-RDS / AM / CD MP3 / SD
CARD + USB MP3 / WMA
PLAYBACK DIGITAL
STEREO RECEIVER

RADIO REVEIL RECEPTEUR
STEREO FM-RDS / AM / CD
MP3 AVEC LECTURE DE
CARTES MEM. SD + USB MP3 /
WMA



FM-RDS / AM / CD MP3 / SD
CARD + USB MP3 / WMA
PLAYBACK RECEPTOR
ESTÉREO DIGITAL


FM-RDS / AM / CD MP3 / SD
KAART + USB MP3 / WMA
AFSPEELBARE DIGITALE
STEREO ONTVANGER

DIGITALE STEREO-
EMPFANGSANLAGE
UKW-RDS / AM / MP3-CD /
SD-KARTEN + USB MP3 / WMA



WARNING:
TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO
NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

 THE LIGHTNING FLASH AND ARROW, HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE RADIO.	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE BACK, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	 THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.
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Operating instruction	GB
Mode d'emploi	F
Instruccions de manejo	E
Gebruiksaanwijzing	NL
Bedienungsanleitung	D

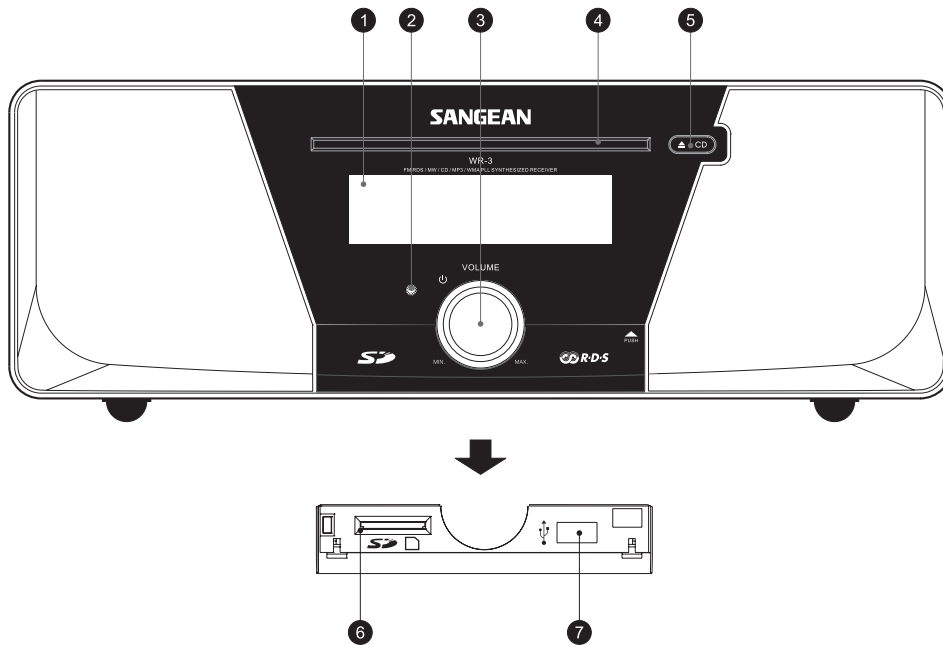
WR-3

Important safety instructions

1. Read and understand all safety and operating instructions before the radio is operated.
2. Retain instruction: The safety and operating instructions should be retained for future reference.
3. Heed warnings. All warnings on the appliance and operating instructions should be followed.
4. Follow all operations and use instructions.
5. 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.
6. Unplug the radio from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the radio.
7. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the radio.
8. Ventilation: This radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce air flow through the ventilation openings.
9. Power sources: The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer or power company.

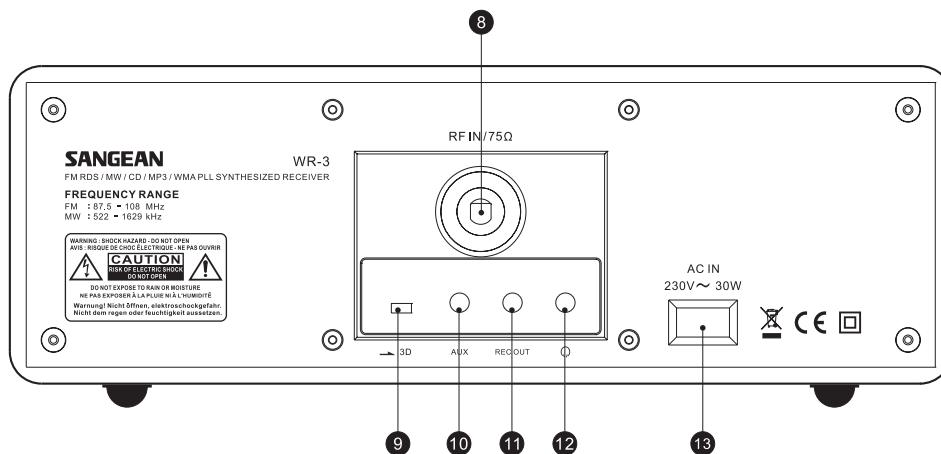
10. Power cords: The power cord should be positioned so it is not walked on, pinched, or items placed on top of it. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the power cord by gripping the power plug, not the cord. Operate the radio using only the current type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
11. Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the radio through opening. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock.
12. If the radio is left attended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage caused by lightning or power line surges.
13. If the radio is left unattended and unused for a long period of time, remove the batteries. The batteries may leak and damage furniture of your radio.
14. Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty. Refer all servicing to authorized service personnel.
15. Object and Liquid Entry-Never push objects of any kind into this radio through opening as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind of product.
16. The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen or liquid had been spilled into the radio.
 - C. The radio has been exposed to rain or water.
 - D. The radio does not appear to operate normally or exhibits a marked change in performance.
 - E. The radio has been dropped, or the enclosure damaged.

GB



Controls

- ① LCD display
- ② Remote control sensor
- ③ On/Off/Volume control knob
- ④ CD slot
- ⑤ CD Eject button
- ⑥ SD card slot
- ⑦ USB device slot

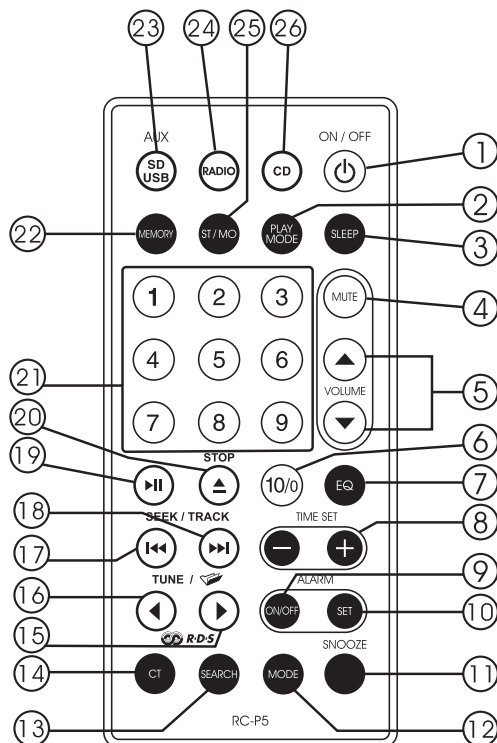


- ⑧ Telescopic antenna
- ⑨ 3D Sound switch
- ⑩ Auxiliary in socket
- ⑪ Record Out (Line Out) socket
- ⑫ Headphone socket
- ⑬ Mains input socket

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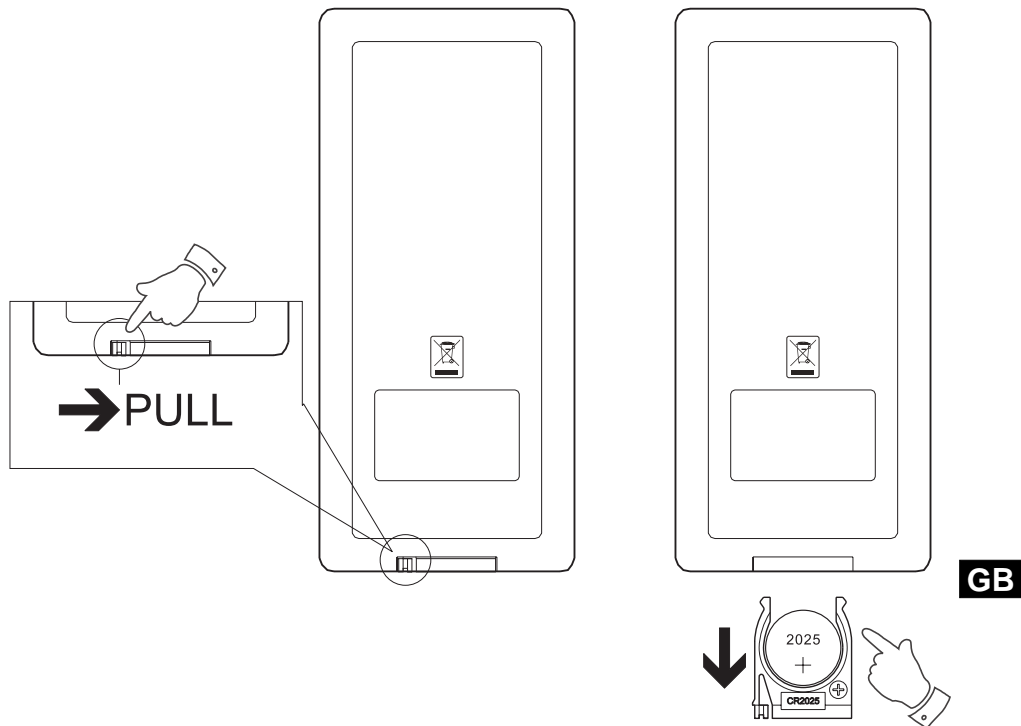
Remote control

- ① On/Off button
- ② PLAY MODE button
- ③ SLEEP button
- ④ MUTE button
- ⑤ VOLUME UP and Down buttons
- ⑥ 0/10 button
- ⑦ EQUALIZER button
- ⑧ TIME SET UP and DOWN buttons
- ⑨ Alarm ON/OFF button
- ⑩ ALARM SET button
- ⑪ SNOOZE button
- ⑫ MODE button
- ⑬ SEARCH button
- ⑭ CT (auto clock time) button
- ⑮ TUNE/MP3 UP button
- ⑯ TUNE/MP3 DOWN button
- ⑰ SEEK/TRACK DOWN button
- ⑱ SEEK/TRACK UP button
- ⑲ PAUSE/PLAY button
- ⑳ STOP button
- ㉑ KEYPAD buttons
- ㉒ MEMORY button
- ㉓ AUX/SD/USB button
- ㉔ Radio button
- ㉕ ST/MO button
- ㉖ CD button




Remote battery replacement

1. Pull and hold the tab of the battery tray in the direction shown.
And slide the holder out.
2. Remove battery from holder.
3. Replace battery (CR2025 or equivalent) ensuring that the positive side of the battery faces you with holder positioned as shown.
4. Put the battery holder back into the remote control.





Clock setting

You will need to set the clock before the alarm function can be set.


1. Press and hold the TIME SET button (either UP or Down), until the minute digits on the display flash, then release the button.
 2. When the minute digits are still flashing, press the TIME SET UP or DOWN button  to the desired time is set.
- * Press TIME SET button once for 1 minute, press and hold to make the adjustment run faster to change the hour digits.
3. Without touching the buttons for 7 seconds, the time will be set and the time digits will stop flashing.

Radio Operation

FM/MW (AM) operation


1. Switch on your radio by pressing the On/Off button on the remote control or by pressing the Control knob on the radio.
 2. Press and release the RADIO button until "FM" or "MW" (AM) shows on the display and the radio will enter the FM or MW (AM) mode.
 3. Press the SEEK UP or DOWN button  and the radio will scan for the next active frequency. Or, press the TUNE UP or DOWN button  to select a higher or lower a step of frequency, until the active frequency is found.
- * 1 FM step = 50 kHz or 100 kHz
1 MW (AM) step = 9 kHz or 10 kHz
4. Adjust the Volume by pressing VOLUME UP or DOWN button on the remote control, or by rotating the control knob on the radio.
 5. Adjust 3D Sound switch to the required settings.
(on the back panel)
 6. To switch off your radio press the On/Off button.

Volume control

Press VOLUME UP/Down  or rotate the Control knob on the radio. There are 40 levels of volume.

Presetting stations

There are 10 memory presets on each of the MW and FM wavebands.

1. Press the On/Off button to switch on your radio.
2. Tune to the station you would like to preset (tune as previously described).
3. Press MEMORY button . "MEM" will be shown on the display.
4. Press the required Preset button (1 to 10).
5. Press MEMORY button again and the preset will be stored, and "MEM" will disappear from the display.
6. Repeat this procedure for the remaining presets.
7. Stations stored in preset memories may be overwritten.

Recalling a preset station

1. When the radio is on, select FM or MW (AM) by pressing the RADIO button.
2. Press the required Preset button (1-10), your radio will tune to the station stored in preset memory.

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FM RDS


The Radio Data System (RDS) is a system in which inaudible digital information in addition to the normal FM radio program is transmitted. Under FM band, it provides functions such as Clock Time, Music Type Search and Information Mode:

* The information display is only available when the station provides R.D.S service.

Clock Time:

Press the R.D.S CT button  and the display will show the time.

Music Type:

1. Press the R.D.S SEARCH button repeatedly until the display shows the type of radio stations you would like to search.
2. Then press the SEEK UP/Down  to search for radio stations of selected type.
3. If there is no station for the selected type, the display will show "No MATCH" for 2 second.

Information Mode:


Press R.D.S MODE button to cycle through the various modes.

The order of the modes is

Frequency → PS → PTY → RT → Frequency



1. Frequency: Displays frequency of the station.
2. PS: Program Service- Displays name of station.
3. PTY: Program Type- Displays the program type.
4. RT: Radio Text- Displays radio text messages such as news items etc.

FM Stereo/Mono mode

1. When FM signal is weak, some hiss may be audible. To reduce the hiss, press the ST/MO button until the display shows "Mono". Your radio will switch to mono mode.
 2. To return to stereo mode press the ST/MO button  until the display shows "Stereo". Your radio will switch to stereo mode.
- * Under the mono mode, when the frequency is changed, it will automatically switch back to the stereo mode.


CD/MP3/SD card/USB device operation

CD operation


1. Press the CD button until "CD" shows on the display and the unit will enter the CD mode.
2. Insert an audio CD. The display will show "loading" and then "reading" and the CD will be played.
3. Adjust the Volume and 3D Sound switch (on the back panel) to the required settings.
4. Play/stop/eject CD:
 - a. Press the PAUSE/PLAY button  to pause the CD playing; Press the PAUSE/PLAY button again to resume the CD playing.
 - b. To stop the CD, press the STOP button . The total number of the CD tracks will be shown.
 - c. To take out the CD, either press the CD EJECT button on the Radio, or double press the STOP button of the remote control. The display will show "NO DISK".

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5. Track selecting:

- a. While the CD is playing, press SEEK/TRACK button  to change to the desired track, the track number will appear on the display.
- b. Or, you can input numbers to the desired track.
- c. You can also select the track when the CD is stopped.

6. Fast forward/rewind:

- a. While the CD is playing, press and hold the SEEK/TRACK button .
- b. Release the button when the desired part of the track is reached.

7. Play mode:

There are 5 modes of CD playing order. While the CD is playing, press the PLAY MODE button  repeatedly, and the display will orderly show the current mode as-

RAN → RAN ♫♫ → ♫♫ → ♫1 → Normal







When it goes back to the Normal mode, the display doesn't show anything for play mode.

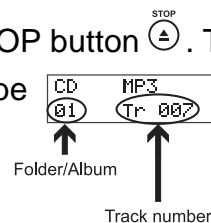
Play modes are defined as below:


- a. RAN (Random) - The CD player plays tracks randomly. It plays once for each track then stop.
 - b. RAN ♫♫ (Random Repeat) - The CD player plays tracks randomly and endlessly.
 - c. ♫♫ (Repeat) - The CD player plays tracks in numeral order. After the last track, it will go back to the 1st track repeatedly.
 - d. ♫1 (Repeat Track) - The CD player plays a single track repeatedly.
 - e. Normal mode - The CD player plays the all tracks in numeral order once then stop. The display doesn't show anything for Normal mode.
- * When the CD is re-entered, the play mode is Normal no matter which mode it was.

MP3 CD Mode operation

This device is able to play CD-R and CD-RW discs containing MP3 and WMA files. In MP3 mode, a CD can have folders/albums, and a folder/album consists of tracks. (depends on how a CD is burned) The operation of MP3/WMA CD mode is similar to how you operate a regular CD.


1. Press the CD button  until "CD" shows on the display.
2. Insert a MP3 CD. The display will show "loading" and then "reading" and the MP3 CD will be played.
3. Adjust the Volume and 3D Sound switch (on the back panel) to the required settings.
4. Play/stop/eject MP3 CD:
 - a. Press the PAUSE/PLAY button  to pause the MP3 CD playing; Press the PAUSE button again to resume the MP3 CD playing.
 - b. To stop the MP3 CD, press the STOP button . The total number of the files and tracks will be  shown.




- c. To take out the MP3 CD, either press the CD EJECT button on the Radio, or double press the STOP button  of the remote control. The display will show "NO DISK".

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5. Track selecting:

- a. While the MP3 CD is playing, press SEEK/TRACK button  to change to the desired track, and the track number will appear on the display.
- b. Or, you can input numbers to the desired track.
- c. You can also select the track when the MP3 CD is stopped.

6. Folder/album selecting

While the MP3 CD is playing, press the TUNE/MP3 button  to change to the desired folder, and the folder number will appear on the display.

7. Fast forward/rewind

- a. While the MP3 CD is playing, press and hold the SEEK/TRACK button .
- b. Release the button when the desired part of the track is reached.

8. Play mode:

There are 8 modes of MP3 CD playing order. While the MP3 CD is playing, press the PLAY MODE button repeatedly, and the display will orderly show the current mode as-

RAN → RAN F → RAN \$F → RAN \$\$ → \$\$ → \$F → \$1 → Normal
↑

When it goes back to the Normal mode, the display doesn't show anything for play mode.

Play modes are defined as below:

- a. **RAN** (Random) - The CD player plays tracks randomly. It plays once for each track.
- b. **RAN F** (Random Folder) - The CD player plays the tracks of a folder randomly, once for each track.
- c. **RAN ♡F** (Random Repeat Folder) - The CD player plays the tracks of one folder randomly endlessly.
- d. **RAN ♡♡** (Random Repeat) - The CD player plays all tracks of the CD randomly and endlessly.
- e. **♡♡** (Repeat) - The CD player plays all tracks of the CD in numeral order. After the last track, it will go back to the 1st track repeatedly.
- f. **♡F** (Repeat Folder) - The CD player plays the tracks of one folder in numeral order endlessly.
- g. **♡1** (Repeat Track) - The CD player plays a single track repeatedly.
- h. Normal mode - The CD player plays the all tracks in numeral order once then stop. The display doesn't show anything for Normal mode.

* When the CD is re-entered, the play mode is Normal no matter which mode it was.

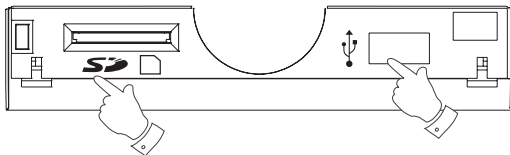
* The CD player reading time (the time between the dick is slid in and the music is played) of reading CD-R or CD-RW can be longer depending on the burning ways and brands of CD-R or CD-RW.





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SD cards and USB memory devices

This device only support SD card up to 2G. If it is a SD card with USB connecting to the device, then 2G limit is not existed.


1. SD card and USB slots are located behind the rectangular panel below the ON/OFF/Volume knob. Push and release the right hand top corner of the panel. (To close the panel, press in the panel door until it clicks into place).
2. Plug a SD card or USB device into the correspondence slot.



3. Press the SD/USB button  repeatedly until the “SD” or “USB” is shown on the left top corner of the display.
4. Playing MP3/WMA files in SD card or USB device:
 - a. Press the PAUSE button  to pause the playing; Press the PAUSE button again to resume it.
 - b. To stop the playing, press the STOP button . The total number of the files and tracks will be shown.
 - c. To take out the SD card, push the SD card, and it will be bounced back.
5. Track selecting:
 - a. While the SD or USB is playing, press SEEK/TRACK button  to change to the desired track, and the track number will appear on the display.
 - b. Or, you can input numbers to the desired track.
6. Folder/album selecting:

While the SD or USB is playing, press the TUNE/MP3 button  to change to the desired folder, and the folder number will appear on the display.

7. Fast forward/rewind:

- a. While the SD or USB is playing, press and hold the SEEK/TRACK button  .
- b. Release the button when the desired part of the track is reached.

8. Play mode:

There are 8 modes of SD/USB playing order. While it is playing, press the PLAY MODE button repeatedly, and the display will orderly show the current mode as-

RAN → RAN F → RAN ♪F → RAN ♪♪ → ♪♪ → ♪F → ♪1 → Normal



When it goes back to the Normal mode, the display doesn't show anything for play mode.



Play modes are defined as below:

- a. RAN (Random) - It plays tracks randomly, once for each track.
- b. RAN F (Random Folder) - It plays the tracks of a folder randomly, once for each track.
- c. RAN ♪F (Random Repeat Folder) - It plays the tracks of one folder randomly endlessly.
- d. RAN ♪♪ (Random Repeat) - It plays all tracks of the SD card or USB device randomly and endlessly.
- e. ♪♪ (Repeat) - It plays all tracks of the SD card or USB device in numeral order. After the last track, it will go back to the 1st track repeatedly.
- f. ♪F (Repeat Folder) - It plays the tracks of one folder in numeral order endlessly.
- g. ♪1 (Repeat Track) - It plays a single track repeatedly.
- h. Normal mode - It plays the all tracks in numeral order once then stop. The display doesn't show anything for Normal mode.

* When the SD card or USB device is re-entered, the play mode is Normal no matter which mode it was.

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Equalizer setting


1. Press the EQ button . It will show "BASS" with a number.
2. Press the Volume UP/DOWN button  to adjust the bass level.
And the number means the level of bass.
3. Press the EQ button again. It will show "TREBLE" with a number.
4. Press the Volume UP/DOWN button to adjust the treble level.
And the number means the level of treble.
5. Press the EQ button again to complete the setting.

Mute function

1. Press the Mute button to mute sound output.
2. Press Mute again to return to normal play mode.



Sleep function

When the power is on, your sound system can be set to turn off after a preset time has elapsed. The sleep setting can be set as 60, 30, 15 minutes.

1. Press the Sleep button and "SLEEP" will appear on the display.
2. Repeatedly press the SLEEP button  to select the desired sleep time 60 → 30 → 15 → OFF. (OFF means the Sleep function is off)
3. Your radio will switch off after the preset sleep time has elapsed.
4. To cancel the sleep function before the preset time has elapsed, press the On/Off button.


Alarm setting

Your sound system has an alarm which can be set to wake you by CD, USB, SD card, FM radio, MW radio.

1. Press the ALARM ON/OFF button  , and the alarm time will be shown on the display, and the alarm is on. To turn off the alarm function, press the Alarm ON/OFF button again.
2. Press the ALARM SET button and the alarm information will be shown.
3. Press the TIME SET UP/DOWN button to adjust the alarm time. Or press and hold the TIME SET UP/DOWN button to run the adjustment faster.
4. Press CD / FM / MW / SD / USB button to select the alarm source.
 - a. In FM/MW mode: Press TUNE UP/DOWN button or key 1-10 to select the station. And adjust the volume.
 - b. In CD / SD / USB mode: Select the track and adjust the volume.
 - * the volume is initially set as 30.
5. Press the ALARM SET button to complete the setting.
 - * When the set alarm source is not available, the alarm source will be FM.
 - * The alarm sounds from mute to loud.
6. To stop the alarm sound, press OFF button.
7. To disable the alarm function, press ALARM ON/OFF button, and the symbol “  ” will disappear from the display.

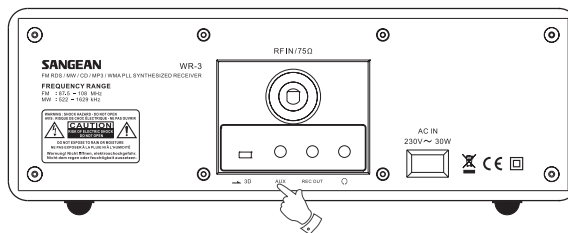
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Snooze function

1. To interrupt the alarm, press SNOOZE button  and the alarm will stop for 5 minutes and the display will show "SNOOZE". And the alarm will sound again in 5 minutes.
2. To stop the snooze and the alarm, press ON/OFF button.

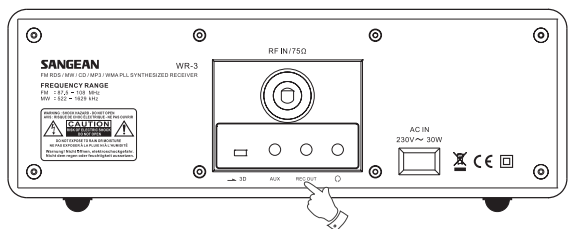
Aux in socket (3.5mm Jack)

1. Repeatedly press the AUX button until "AUX" is displayed.
2. Connect a stereo or mono audio source (ie iPod, MP3 or CD player) to the Aux in socket on the back panel.
3. Adjust the Volume control on your iPod, MP3 or CD player.



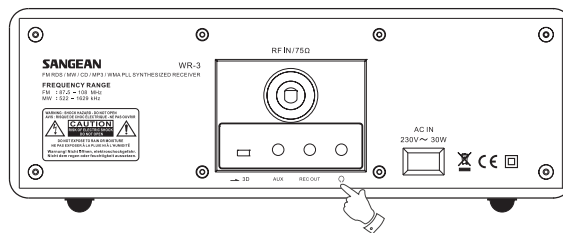
Record Out (Line Out) socket (3.5mm Jack)

A 3.5mm Line Out socket located on the rear of your radio is provided for connecting the audio signal to an external amplifier. Inserting an audio cable into this socket will not mute the internal loudspeaker. Set the volume control to minimum if desired.



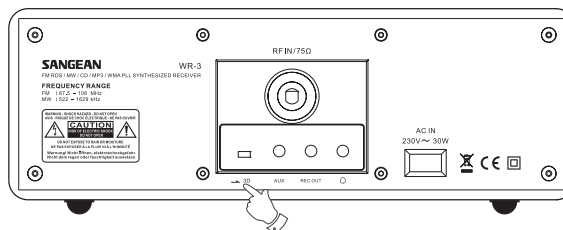
Headphone sockets

A 3.5mm Headphone Socket located on the rear of your radio is provided for use with headphones. Inserting a plug automatically mutes the internal loudspeaker.



3D switch

A 3D switch on the rear of your radio is to switch on/off the 3D sound effects.



Software update

When the updated software is ready or your radio need to be fit in another country's radio frequency standard, you can update the software through CD, USB or SD card.

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1. Download the updated software to CD, USB or SD card.
The software should be *.fwu file.
2. Insert CD, USB or SD card. When the *.fwu file is found, the display will show the count down for 5 seconds.
3. With the 5 seconds, press PLAY button. And it will be installed with the software.

Technical data

Power supply:

120V/60Hz(USA version)

230V/50Hz(Europe version)

Output power: 7W+7W (max)

Power consumption: 30W (max)

Frequency coverage:

FM 87.5 – 108.0 MHz

AM 520 – 1710 kHz (USA version)

AM 522 – 1629 kHz (Europe version)



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

