

**SANGEAN**



3A81SA1000000 **CE**



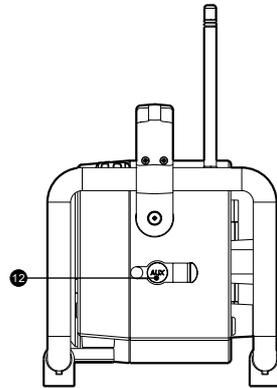
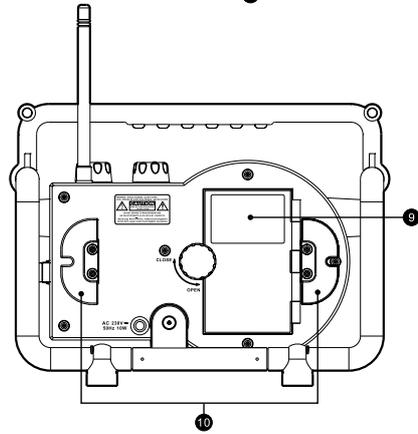
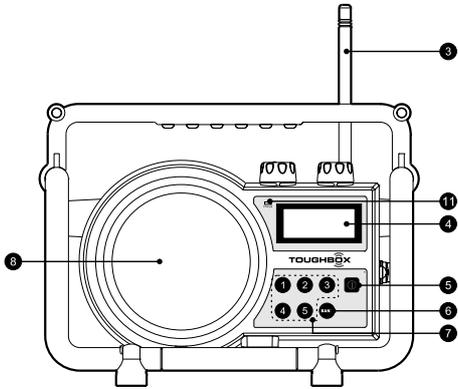
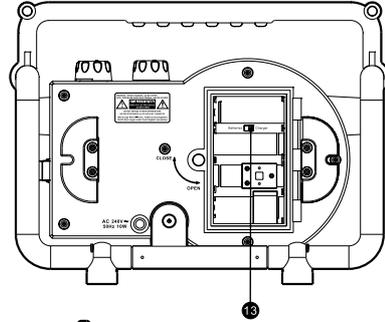
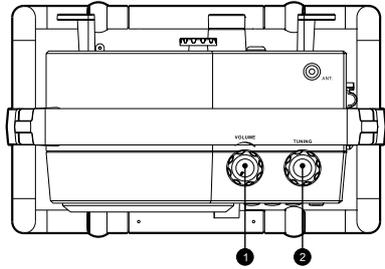
Operating instruction **GB**

**TOUGHBOX**

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings
4. Follow all instructions
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus ( including amplifiers ) that produce heat.
9. Do not defect the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet – USA version only.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. To reduce the risk of fire or electric shock, Do not expose this appliance to Rain or Moisture.
16. The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit. **GB**
17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall be placed on the apparatus.
18. For outdoors use, to avoid electric shock, use battery only during a raining day or the weather is wet.



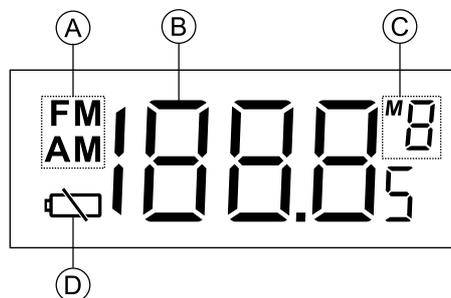
## Controls

- ① Volume Control
- ② Tuning Control
- ③ FM antenna
- ④ LCD display
- ⑤ Power On/Off
- ⑥ Band Selection
- ⑦ Preset Stations
- ⑧ Speaker
- ⑨ Battery Compartment
- ⑩ AC power cord storage
- ⑪ Charge LED indicator
- ⑫ Aux In socket
- ⑬ Rechargeable battery ( Charger ) /  
Normal battery ( Batteries ) Switch

## LCD Display

- Ⓐ Band Indicator
- Ⓑ Frequency
- Ⓒ Preset Stations
- Ⓓ Low Battery Indicator

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## Power the radio

1. Installing the batteries, first turn battery cover fixture anti-clockwise to loosen and pull down the battery cover.

Note:

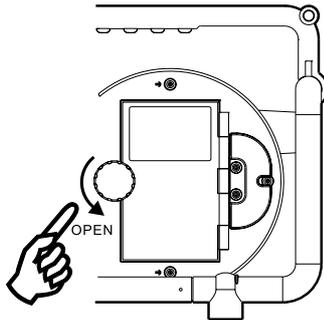
Before you insert the batteries, if you use non-rechargeable batteries, make sure the Charger/Batteries switch which located inside the battery compartment is switched to Batteries position. If you use rechargeable batteries, make sure to switch Charger/Batteries switch to Charger position.

2. Insert 4 X C size ( UM-2 ) battery into the compartment. Ensure the battery is inserted in accordance with the diagram shown.

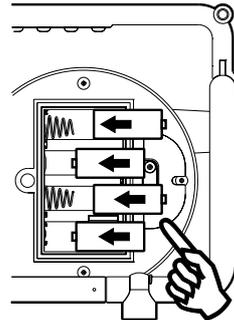
Close the battery cover and fasten the fixture by turning clockwise.

If the radio is not to be used for any extended period of time, it is recommended that the battery is removed from the radio. Reduced power, distortion and a “ stuttering sound “ or low battery sign  is flashing on the display are all signs that the batteries need replacing or recharged. ( see below charge the batteries )

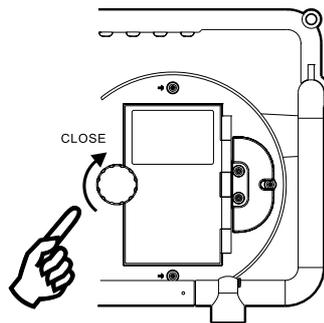
1.



2.



3.



### 3. AC Operation

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Before plug the AC power cord into the AC socket, be sure the voltage is correct. If you have batteries in the radio and connect the AC power cord into the AC socket, the batteries will automatically be disconnected.

AC power cord storage is designed to store the cord when the radio is not in use.

## Charge the batteries

Reduced power, distortion and a “ stuttering sound “ or low battery sign  is flashing on the display are all signs that the batteries need recharged if you use rechargeable batteries to power the radio.

Note:

The radio can be charged only when the radio is off.

Connect the AC power cord into the AC socket to charge the batteries, be sure the battery type switch is set to Charge position.

When radio is charged, the CHARGE LED will be flashing and stop flashing ( the LED is on ) when the radio is fully charged.

Charging time takes approx. 4-5 hours depending on capacity of the rechargeable batteries in use.

## Manual Tuning

1. Press the Power button to turn on the radio.
2. Select the required waveband by pressing the Band button.
3. Be sure to screw in the rubber FM antenna properly to get best reception. For AM ( MW ) band, rotate the radio to get best signal.
4. Rotate the Tuning Control knob will change the frequency in the following increments  
FM: 50 or 100 kHz  
AM ( MW ): 9 or 10 kHz
5. Rotate the Volume Control knob to get required sound level.
6. To turn off the radio, press the Power button.  
Display will show OFF.

## Memory presets stations

Storing stations in preset memories, please follow below step.

There are 5 memory presets for each waveband.

1. Press the Power button to turn on the radio.
2. Tune to required station pressing Band button and Tuning Control.
3. Press and hold down the required preset until the radio beeps.  
The preset number will appear in the display and the station will be stored under chosen preset button.
4. Repeat this procedure for the remaining presets.
5. Stations stored in preset memories can be over written by following above procedures.

## Recall stations from preset memories

1. Press the Power button to turn on the radio.
2. Select the required waveband.
3. Momentarily press the required Preset button, the preset number and station frequency will appear in the display.

## Display backlight

When radio is switched on, press any button except Power button will illuminate the LCD display for approx. 15 seconds.

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## **Setting tuning step**

Tuning step on some countries are different from where you purchase the radio.

While radio is switched off, long press the Band button for approx. 7 seconds until display flashes current FM tuning step 50 ( kHz ). Rotate the Tuning Control, you may adjust to 100 ( kHz ). Press Band button again to confirm the setting.

After FM tuning step is reset, pressing Band button again, display will show AM and flash 9 ( kHz ). Rotate the Tuning Control, you may adjust to 10 ( kHz ). Press band button again to confirm the setting.

## **Clear the preset stations**

Whenever is necessary, you can clear all the preset stations. When radio is off, press Preset button 1 and Band button at the same time for more than 2 seconds to clear all the preset stations. Radio will be reset to original factory set status.

## Aux In socket

The Aux In socket is to connect audio source ( like MP3 player or CD walkman ) to listen the audio program via the speaker.

Remove the rubber cover, connect the audio source with a 3.5 mm audio connector wire, rotate the Volume Control to play the audio program.

Note:

when the audio source is connected, it will automatically mute the radio program you are listening. Display will still show the station frequency before you connect the audio source.

## Specifications

Frequency Coverage:

FM 87.50 – 108 MHz

AM ( MW ) 520 – 1710 kHz ( 10 kHz )

522 – 1710 kHz ( 9 kHz )

AC Power:

AC 120V/60Hz/10W ( USA )

AC 230V/50Hz/10W ( Europe )

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Batteries: 4 x C Size ( UM-2 )

Output Power:

2 Watt 10% T.H.D. @ 100 Hz @ DC battery 6V

5 Watt 10% T.H.D. @ 100 Hz @ AC 230V or 120V



*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)*

