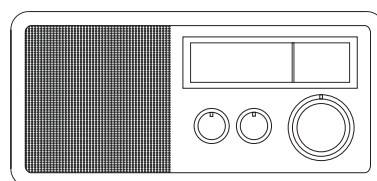


SG-116



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Version 1

IMPORTANT SAFETY INSTRUCTIONS

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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 manufacturer's 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 defeat 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, 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.
17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.
18. Excessive sound pressure on ear- and headphones could impair the hearing ability. Higher setting that idle on the equalizer leads to higher signal voltages on the output for ear and headphones.

IMPORTANT NOTE:

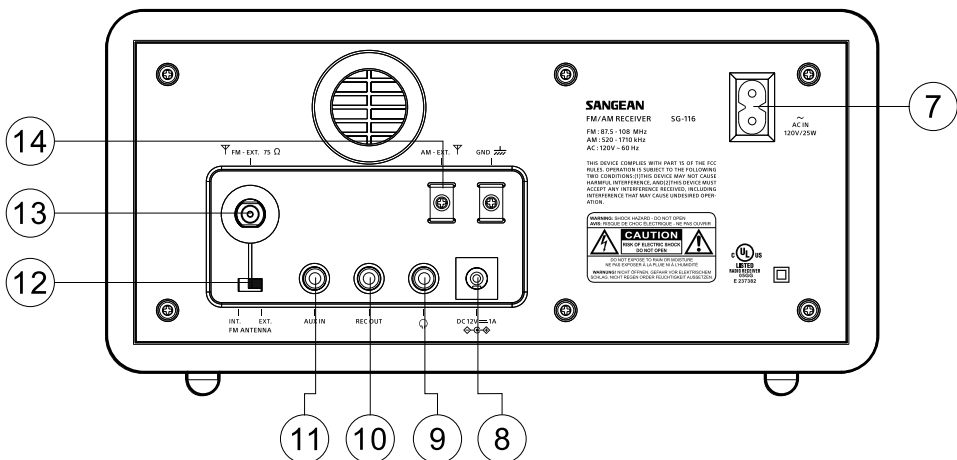
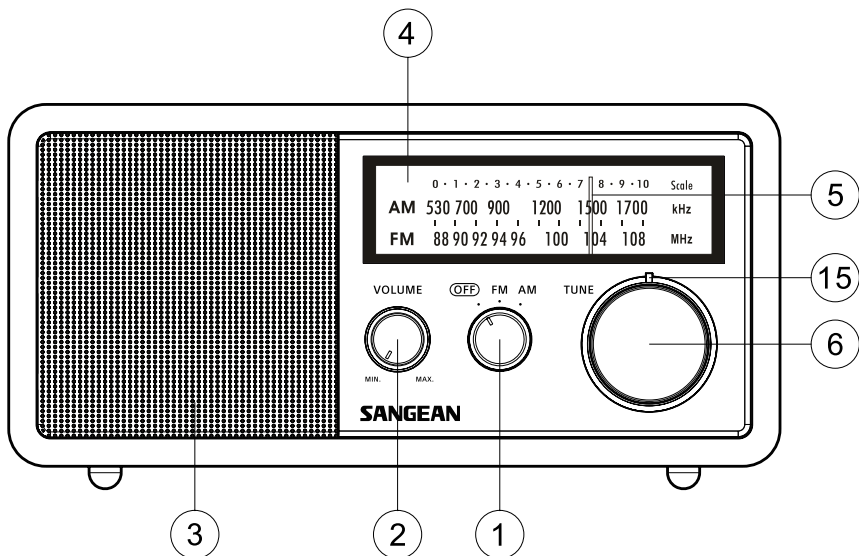
To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

For United States:**FCC Cautions to the user**

The changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

The 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 instruction, may cause harmful interference to radio communication. However, there is no guaranty 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.



Controls

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- ① Power and AM/FM band switch
- ② Volume Control
- ③ Speaker
- ④ Dial scale
- ⑤ Dial indicator
- ⑥ Tuning Control
- ⑦ AC power cord socket
- ⑧ 12V DC input socket (ideal for vehicles/boats)
- ⑨ Headphone socket
- ⑩ REC out socket
- ⑪ Aux in socket
- ⑫ External/Internal antenna switch
- ⑬ F-type external antenna terminal
- ⑭ AM external antenna terminal (USA version only)
- ⑮ Tuning LED indicator

Power your radio

AC operation

Before you plug the AC cord into the radio, be sure the AC voltage is correct. Insert the plug on the end of the supplied power cord into the AC power socket on the back of the radio.

DC operation

For outdoors use, you can power the radio by using 12V DC input socket from a DC power supply (example, from the power supply of vehicles or boats). An AC power adaptor with 1 Ampere and center positive in polarity can also power the radio in house.

Operating your radio FM

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1. Connect the Antenna

The radio comes with built-in AM/FM antenna. To improve FM reception, insert the end of the supplied FM wire antenna into the F-type antenna terminal and adjust the wire for best reception. A 75 ohm coaxial cable of outdoor antenna may also be attached to the terminal. Be sure to switch external/internal antenna switch to external position while using the supplied wire antenna or connect the outdoor antenna. In some of the European countries, you may have to connect the supplied antenna terminal adaptor to connect with the outdoor antenna.

2. Turn on your radio by switching the Power knob to FM position.

3. Rotate the Tuning Control to select the desired station. On FM, the tuning scale is marked in MHz (Megahertz). The tuning LED indicator will appear brightest when best tuning has been achieved.

4. Adjust the Volume Control for comfortable listening.

5. To switch off the radio, turn the Power knob to OFF position.

Operating your radio AM

1. Connecting the antenna

The radio comes with built-in AM antenna which should be enough for normal listening. To improve the AM reception, you may connect the outdoor AM antenna with AM antenna terminal (USA version only).

2. Turn on your radio by switching the Power knob to AM position.


3. Rotate the Tuning Control to select the desired station. On AM, the tuning scale is marked in kHz (Kilohertz). The tuning LED will appear brightest when best tuning has been achieved.

4. Rotate your radio for best reception.

5. Adjust the Volume Control for comfortable listening.

6. To switch off your radio, turn the power knob to OFF position.

Headphone use

Headphone use with this radio should be fitted with a 3.5 mm jack plug. Insert the headphones plug into the socket marked  on the rear side of the radio. When the headphones are plugged in, the loudspeaker is automatically disconnected.

AUX IN socket

Connect a stereo or mono audio source (like CD walkman) to this input to listen the audio program via the speaker.

REC out socket

The radio can be used as a separate tuner by connecting this input to Hi-Fi system (amplifier) or using this input to make recording in mono from audio program.

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Specifications

Frequency Coverage:

FM 87.50 - 108 MHz

AM 520 - 1710 kHz

AC 120V/60 Hz/25W (USA version)

AC 230V/50 Hz/25W (European version)

(Please refer to the print on the rear panel for actual power requirement)

Internal Antenna System:

AM Built-in ferrite aerial

FM Built-in wire aerial

External antenna terminal:

AM antenna terminal (USA version only)

FM F-type antenna terminal

Output Power: 6.5W 10% T.H.D. @100Hz

Headphones socket:

3.5 mm dia. Stereo jack monaural output

Output: 5mW + 5mW

Aux in socket:

3.5 mm dia. Stereo jack.

Input sensitivity: IN 300mV Output 7W @100Hz

Input impedance: 47 Kohm

REC OUT: output impedance: 2.2Kohm

DC IN: 12V/1A center pin positive (operational voltage 9-14V)

External diameter: 5.5mm

Internal diameter: 2.0 mm

Accessories:

FM F-terminal antenna wire

AC Power Cord

F to PAL terminal adapter (European version only)

Dimension: 240(W) x 114 (H) x 169.5 (D) mm

Weight: 2.35 KG.

The company reserves the right to amend the specification without notice.



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)