

SONY®

FM STEREO/AM STEREO RECEIVER

SRF-A100

OPERATING INSTRUCTIONS

Before operating this high quality electronic unit, please read this operating manual thoroughly so that you can obtain the maximum enjoyment from it. This manual should be retained for future reference and used to answer your operational questions as they arise.

OWNER'S RECORD

The model number is located at the bottom and the serial number is located in the battery compartment. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. SRF-A100 Serial No. _____



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FEATURES

The Sony SRF-A100 is a compact size stereo receiver which allows you to enjoy listening to AM stereo broadcasting recently put into service. The receiver is capable of receiving for all four AM stereo broadcasting systems being used.

- AM BANDWIDTH/FM SENS (sensitivity) switch to obtain better reception from each station under different conditions.
- High-quality stereo sound from the two built-in speakers.
- The one-chip IC developed by Sony assures high sensitivity and high reliability.
- Listening with optional stereo headphones is possible.

PRECAUTIONS

● Do not open the casing. Refer servicing to qualified personnel only.

● Operate the set only on 4.5V dc with three size AA batteries (IEC designation R6).

For ac operation, use the ac power adaptor recommended for this set. Do not use any other ac power adaptor.

For car battery operation, use the car battery cord recommended for this set. Do not use any other car battery cord.

● Do not leave the set in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.

● Should any liquid or solid object fall into the set, remove the batteries and disconnect the ac power adaptor, and have the set checked by qualified personnel before operating it any further.

● Since a strong magnet is used for the speaker, metallic objects such as pins, etc. may cling to the set. Keep personal credit cards using magnetic coding or spring-wound watches away from the set to prevent possible damage from the magnet.

● When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the casing.

If you have any question or problem concerning your set that is not covered in this manual, please consult your nearest Sony dealer.

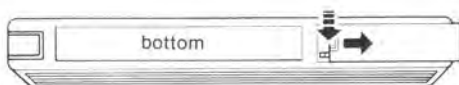
POWER SOURCES

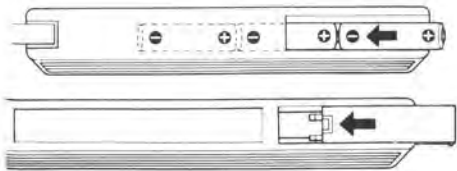
BATTERIES

Battery installation

Insert three size AA batteries (IEC designation R6) with correct polarity as indicated inside.

The flat side of the battery presses against the button top of the left one.





- The set cannot be operated on the internal batteries when either the ac power adaptor or car battery cord is connected to the set.
- When the set is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid set damage caused by battery leakage and corrosion.

Battery life

You can expect the following batteries to last for the indicated number of hours, when listening four hours a day at a normal volume, through the built-in speakers or headphones.

	Speakers	Headphones
Eveready No. 1015 batteries	16	35
Eveready No. 1215 Heavy Duty batteries	28	61

(hour)

HOUSE CURRENT

Connect the optional AC-120W ac power adaptor.

First, connect the adaptor to the receiver DC IN 4.5V jack, and then to a wall outlet.

Before connecting, be sure to read the instruction manual for the adaptor.

12V CAR BATTERY

Use the optional Sony DCC-127A car battery cord, and connect the receiver DC IN 4.5V jack to the cigarette lighter socket of a car.

For further details, refer to the instruction manual of the DCC-127A.

Notes

- When the ac power adaptor or the car battery cord is connected to the DC IN 4.5V jack, the internal batteries (if present) are automatically disconnected.

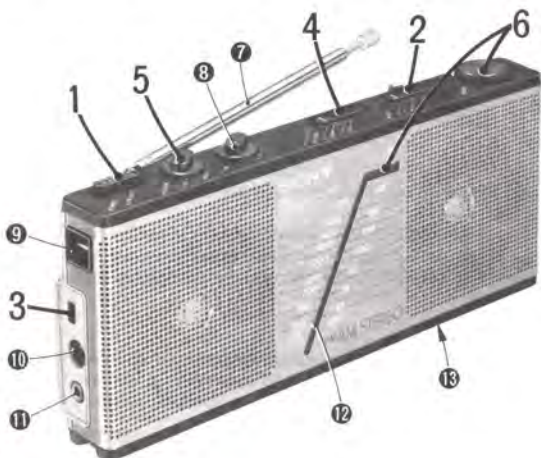
- Use only an ac power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.



Polarity of the plug of Sony ac power adaptor or car battery cord

HOW TO USE

Follow the steps 1 to 6 in sequence to tune in the station.



1 POWER switch

Depress to turn on the power (☐ ON).

To turn the receiver off, press it again (☐ OFF).

2 BAND selector

Select the desired band.

FM ST: For FM reception, set it to this position.

The receiver operates in stereo mode for FM stereo programs and will automatically switch to mono for monaural programs.

AM ST: For AM stereo program reception. The receiver operates in stereo mode for AM stereo programs.

AM: For AM monaural program reception. When it is hard to hear the AM stereo program due to noise, set it to this position.

3 AM ST MODE (AM stereo mode) selector

Set it to the appropriate position according to the AM stereo broadcasting system being used.

A: For Harris, Magnavox or Motorola System

B: For Kahn Hazeltine System

If you do not know which system is being used, you can determine the appropriate position of this selector by comparing the quality of the stereo reception at each position.

4 AM BANDWIDTH/FM SENS (sensitivity) selector

This 2-position selector has a dual purpose: the AM BANDWIDTH selector in AM reception, and the FM SENS selector in FM reception.

Normally set this selector to NORMAL/LOCAL.

For AM reception, when you want to enjoy the AM stereo program's high-quality sound, set it to WIDE.

For FM reception, if the reception is interrupted by adjacent station noise, set it to DISTANT.

5 VOLUME control

Turn it clockwise to get sound. After tuning, adjust the volume to your preference.

6 TUNING knob and TUNING indicator

Turn it to tune in the desired frequency observing the dial scale. When a signal is received, the TUNING indicator will light up.

7 Telescopic antenna

8 TONE control

Turn it to adjust the tone to your preference.

9 Carrying strap attachment

See "How to use the carrying strap".

10 DC IN 4.5V (external power input) jack

The ac power adaptor or car battery cord can be connected to this jack.

11 PHONES jack (stereo minijack)

For listening with optional headphones.

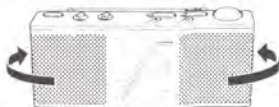
12 Dial scale

13 Battery compartment (bottom)

ANTENNAS

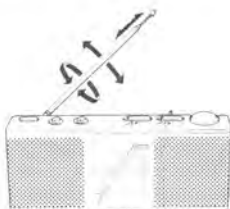
For AM reception

The built-in ferrite bar antenna is used. Since this antenna is directional, rotate the set horizontally for optimum reception, if necessary.



For FM reception

When listening through the speakers, pull out the telescopic antenna and adjust its length, direction, and angle for the best reception.



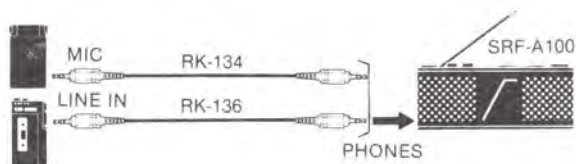
When listening with the optional headphones, put back the telescopic antenna and extend the cord of the headphones so that the FM sensitivity will be increased, as it has the function of an FM antenna.



RECORDING THE RADIO PROGRAMS

You can record the radio programs onto a stereo tape recorder.

Connect the receiver PHONES jack to the MIC jack (stereo minijack) or the LINE IN jack (stereo minijack) of a stereo tape recorder using the optional RK-134 or RK-136 connecting cord respectively.



HOW TO USE THE CARRYING STRAP



TROUBLESHOOTING GUIDE

Should any problem occur with the set, make the following simple tests to determine whether or not servicing is required. If the problem persists after you have made these tests, consult the nearest Sony dealer for further information.

No sound from the speakers.

- The POWER switch is set to OFF. ➔ Set it to ON.
- The VOLUME control is turned down completely.
- Incorrect polarity of batteries.
- Weak batteries. ➔ Replace all the batteries with new ones.
- Battery operation is attempted while the ac power adaptor or car battery cord is connected to the receiver but not to the wall outlet or the cigarette lighter socket.
- Loose connection of an ac power adaptor or a car battery cord. ➔ Connect it firmly to the receiver DC IN 4.5V jack and to a wall outlet or a cigarette lighter socket.
- A pair of headphones are connected to the PHONES jack.

Weak or interrupted sound, or unsatisfactory reception

- Weak batteries.
- Improper tuning. ➔ Turn the TUNING knob where the TUNING indicator illuminates.
- Weak signal. ➔ In a building or a vehicle, use the receiver near a window.
- Improper adjustment of the antenna (for the FM reception) ➔ Pull out the telescopic antenna and adjust its length, direction, and angle for the best reception. Extend the headphone cord antenna when listening with the headphones.

SPECIFICATIONS

Frequency range	FM 87.6–108 MHz AM 530–1,605 kHz (566–187 m)
Antennas	FM: Telescopic antenna or headphone cord antenna AM: Built-in ferrite bar antenna
Speaker	Approx. 7.7 cm (3 ¹ / ₈ inches) dia.
Power output (at 10% harmonic distortion)	Speakers: 360 mW+360 mW Headphones: 40 mW+40 mW
Output	Headphone jack (stereo minijack) for 32-ohm impedance headphones
Power requirements	4.5 V dc, three size AA batteries (IEC designation R6) DC IN 4.5 V jack accepts: Sony AC-120W ac power adaptor (optional) for use on 120 V ac, 60 Hz Sony DCC-127A car battery cord (optional) for use with 12 V car battery
Battery life	See the table in "POWER SOURCES"
Dimensions	Approx. 228 × 100 × 38.5 mm (w/h/d) (9 × 4 × 1 ⁹ / ₁₆ inches) incl. projecting parts and controls
Weight	Approx. 620 g (1 lb 2 oz) incl. batteries
Accessory supplied	Carrying strap
Optional accessories	Connecting cord RK-136 (stereo miniplug to stereo miniplug) RK-134 (stereo miniplug to stereo miniplug with attenuator)

Design and specifications subject to change without notice.

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