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How to get the most from...

SANYO

**SOLID-STATE PORTABLE
RADIO-PHONOGRAPH**

MODEL G-1117AD

(1) DESCRIPTION

This model is a portable combination set of 1-band radio receiver and record-player incorporating 6 transistors and 1 diode. In the radio receiver unit a superheterodyne circuitry consisting of converter, 1-stage of I.F. amplifier, detector-AGC, 2-stage of A.F. amplifier and B class push-pull output are used. Tuning range covers the standard broadcast band (530-1,605KHz). As record player, 2-stage A.F. amplifier and B class push-pull output are used. The cabinet is finished in attractive color, and it affords maximum portability and styling. It is powered by 4 size "D" (UM-1) flashlight batteries. The set can also be played on 110/220/240 Volt AC, if desired.

(2) HOW TO USE

1. Take out the power cord from the battery compartment on the back of the cabinet.

2. For DC Operation

Open the lid of the battery compartment and insert the batteries. Open the battery compartment

lid with a coin as Fig. 1.

4 size "D" (UM-1) flashlight batteries must be inserted and particular care should be paid to the polarity. The correct position of the batteries is illustrated inside the battery case.

3. For AC Operation

Open the lid of the battery compartment. Adjust the voltage selector to your local voltage by loosening the screw with a screwdriver and sliding the selector switch to the correct position. Tighten the screw again.

Note: (Failure to observe may damage the set !)

4. Connect one end of the power cord to the AC input on the side of the cabinet and the other end to on AC outlet(Socket). For AC operation, the batteries do not have to be removed.

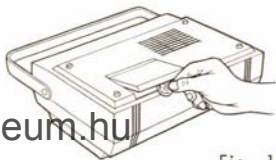
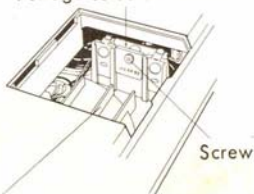


Fig. 1

Voltage selector switch



Battery compartment Fig. 2

(3) OPERATION (CONTROLS)

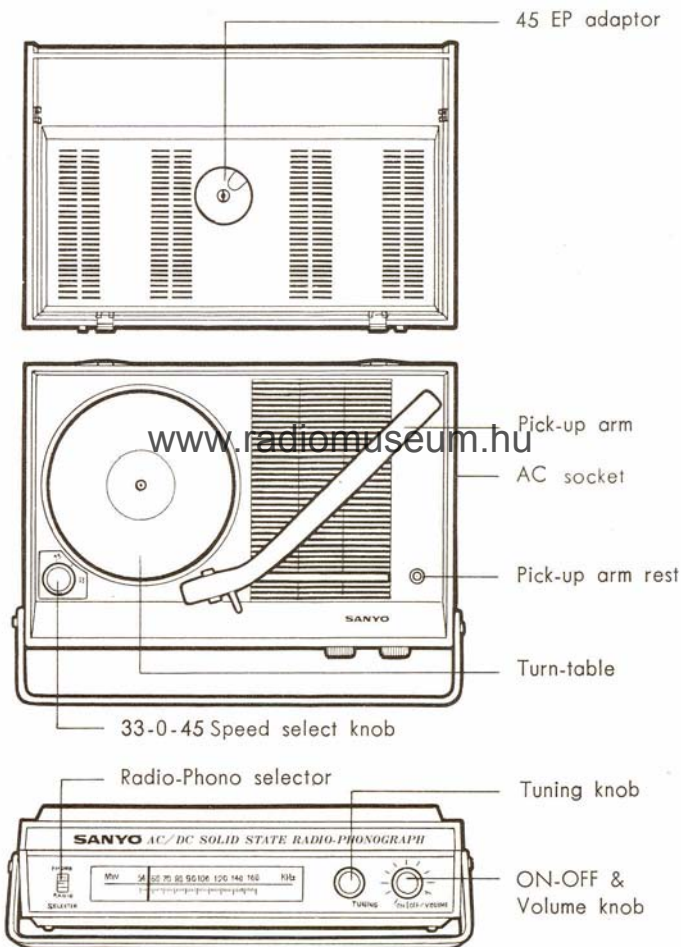


Fig. 3

(4) RADIO LISTENING

1. Set the Radio-Phono selector to the position of RADIO.
2. Turn the ON-OFF & Volume knob clockwise. With a click, the power comes on. Rotating the knob further increases the volume.
3. Turn the Tuning knob and tune in to the desired station.

(5) RECORD PLAYING

1. Set the Radio-Phono selector to the position of PHONO.
2. Place the Pick-up arm on the Arm rest.
3. Set the Speed select knob to the speed corresponding to that of record to be played.
33.....for LP, film (sheet record)
45.....for EP record
4. Lower the Pick-up arm gently on the record. (When the Pick-up arm is moved toward the Turn-table, the latter begins to revolve automatically.)
5. Adjust the Volume control to obtain desired loudness.
6. When the record has been played, return the Pick-up arm to the Arm rest. (The Turn-table will stop to rotate automatically.)

(6) REPLACEMENT STYLUS

1. Sapphire stylus needs replacement after 60 plays of 25cm LP records. Use a screw driver with narrow tip to loosen the screw and remove the stylus. Make sure the new stylus rests correctly on the rubber armature.

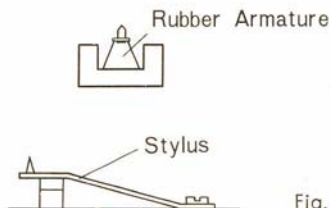


Fig. 4

(7) OTHER INFORMATION

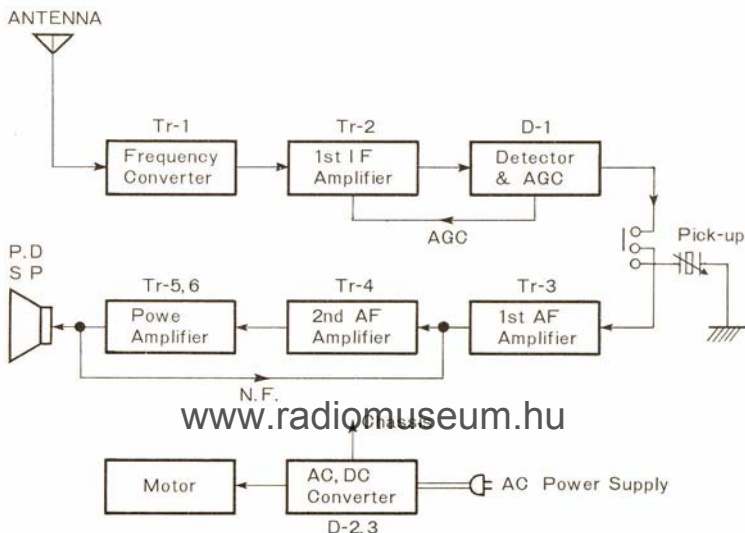
“45” EP adaptor

Spindle adaptor for use with 45 rpm or EP records is placed in the recessed receptacle on the upper panel.

(8) SPECIFICATIONS

Circuit	1-band, 6-transistor superheterodyne 2-speed, radio-phonograph
Frequency range	MW 530-1,605 KHz
Intermediate frequency	455 KHz
Output power	Maximum 600 mW Undistorted 330 mW
Speaker	3 $\frac{1}{8}$ " permanent dynamic speaker voice coil impedance 8 ohms
Transistor complements	Frequency converter $\times 1$ I. F. amplifier $\times 1$ A. F. amplifier $\times 2$ Power amplifier $\times 2$
Diode	Detector & A. G. C. $\times 1$
Selenium	Rectifier $\times 1$
Power requirement	DC: 4 \times 1 $\frac{1}{2}$ volt size "D" flashlight batteries (UM-1) AC: 110/220/240V Select (50 or 60Hz)
Current drain	No signal 15mA(Radio), 70mA (Phono) Maximum 150mA (Radio), 200mA (Phono)
Sensitivity	250 μ V/m for 50 mW output.
Turn-table	4 $\frac{1}{4}$ " (110mm) dia.
Pick-up	Ceramic cartridge
Phono speed	33 $\frac{1}{3}$, 45 rpm.
Dimensions	10 $\frac{5}{8}$ " width \times 6 $\frac{11}{16}$ " height \times 3 $\frac{5}{16}$ " depth (270 mm \times 170 mm \times 77 mm)
Weight	3.6 lbs (1.65 kg) approx.

(9) BLOCK DIAGRAM



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SANYO ELECTRIC CO., LTD.

OSAKA, JAPAN

INTERNATIONAL DIVISION: SANYO ELECTRIC TRADING CO., LTD.

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