

 **SANYO**

MODEL G 2612H
MODEL G 2612N

SOLID STATE PORTABLE
STEREO MUSIC CENTER

Your new Stereo Music Center is a versatile solid state portable three-in-one unit (Stereo cassette recorder, 3 speed stereo phonograph and 3 band radio) designed to allow placing the separate speaker systems in any position for full stereo depth. The set operates on DC (batteries) or AC (house current).

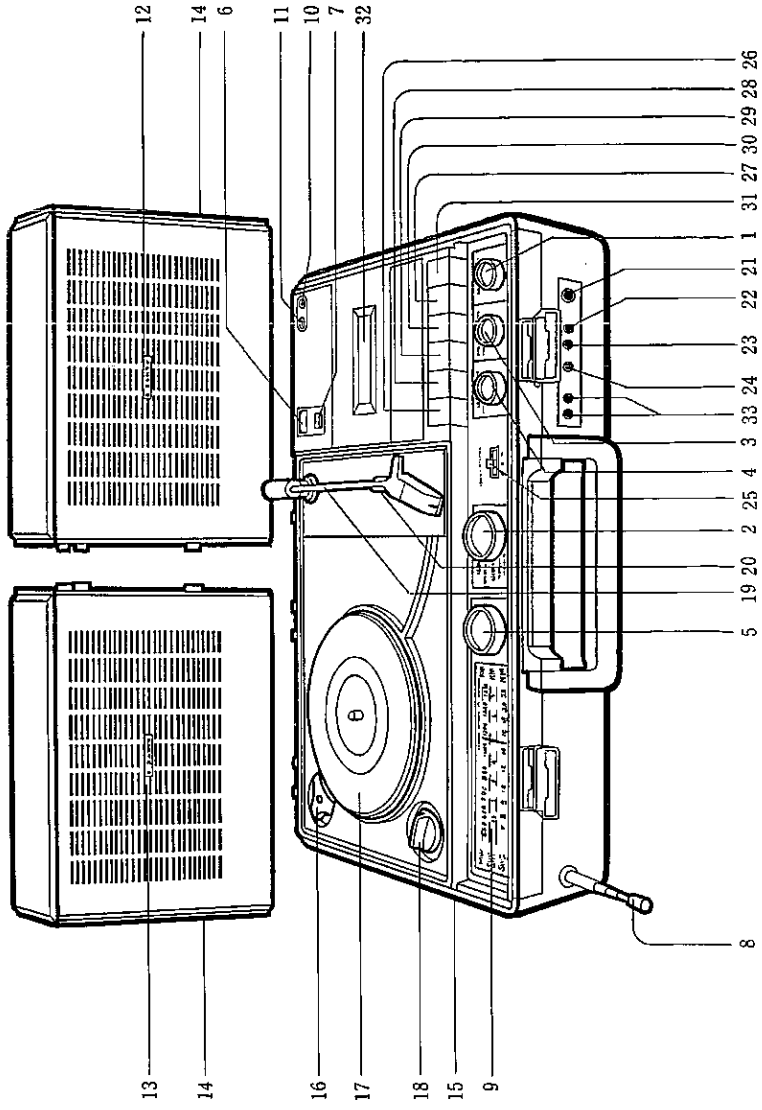


Fig. 1

CONTROLS

1. Power & tone control knob
2. Function selector knob
3. Right Volume control knob
4. Left Volume control knob
5. Tuning knob
6. Level meter
7. Level meter select switch
8. Telescopic antenna
9. Dial scale
10. Right speaker jack
11. Left speaker jack
12. Right speaker
13. Left speaker
14. Speaker & accessory compartment lid (back)
15. Battery compartment lid
16. 45 EP adaptor
17. Turntable
18. Speed selector knob
19. Pick-up
20. Pick-up arm rest
21. Headphone jack
22. Remote control jack
23. Right channel microphone jack
24. Left channel microphone jack
25. Monitor select switch
26. Record key
27. Stop key
28. Rewind key
29. Fast forward key
30. Play + Record key
31. Eject key
32. Cassette insertion lid
33. Stereo cast jack (Model G-2612N)

PREPARATION

For DC operation

Remove the battery compartment lid by sliding the knob in the direction of the arrow. Six size "D" (UM-1) flashlight batteries must be inserted and particular care should be paid to the polarity. Correct insertion of the batteries is illustrated inside the battery case. (Fig. 2)

Checking the battery voltage

Check the battery voltage with the built-in combined recording level and battery voltage meter during all functions. The pointer of the meter should deflect to the red zone. If the pointer only moves as far as the black zone, the batteries are not used and must all be replaced (Fig. 3).

For AC operation

This set is equipped for a power source of 110, 220 and 240V. Open the lid of the battery compartment. Adjust the voltage selector switch to your local voltage. Take out the power cord from the battery compartment. Plug power cord into an AC outlet (socket).

Speaker connections

Disconnect the speaker boxes and plug the lead from the right speaker into the Right speaker jack, and that from the left speaker into the Left speaker jack.

NOTE: Do not operate the set unless the speakers are properly connected, doing so may result in damage to the set.

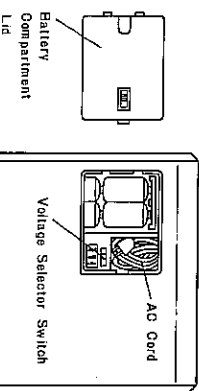


Fig. 2



Fig. 3

RADIO OPERATION

1. Set the Power switch to ON. The power comes on.
2. Turn the Function selector to radio band.
Model G-2612H MW 530 - 1605 KHz
SW₁ 2.3 - 7.0 MHz
SW₂ 7.0 - 22.0 MHz
Model G-2612N AM 530 - 1605 KHz
SW 3.2 - 12.0 MHz
FM 88 - 108 MHz
3. Turn the Tuning knob to the desired station.
4. For FM or SW reception, pull out the Telescopic antenna and determine the direction, length and angle to obtain the best sound.
5. Adjust the Right & Left Volume control knobs for the desired sound volume and balance.
6. Adjust the Tone control knob for the desired tone quality.

LISTENING STEREO BROADCASTS

(Model G-2612N)

1. Plug the FM stereo adaptor (optional accessory) into the STEREO OUT jacks. (Fig. 9)
 2. Other listening procedures are the same as above.
- NOTE: In this case no sound is reproduced from unit.

PHONOGRAPH OPERATION

1. Turn the Function selector to the PHONO.
2. Remove pick-up arm from the clip and place it on the arm rest.
3. Turn the Speed selector knob to the proper speed for the record to be played.
4. Place the record on the turntable. Some 45 r.p.m. records require the special spindle adaptor supplied with the set.
5. Lift the pick-up arm and move it toward the turntable, the turntable will automatically begin to revolve. Carefully set the pick-up arm on the record.
6. Adjust the Right & Left Volume control knobs for the desired sound volume and balance.
7. Adjust the Tone control knob for desired tone quality.
8. When the record is finished, lift the pick-up arm and return it to the arm rest. This will turn off the motor and the turntable will automatically stop.
9. To stop the turntable, turn the Speed selector knob to OFF.

REPLACING THE STYLUS

This set is equipped with a high quality sapphire stylus, but it should be replaced if sound quality reproduced is noted to be worse after use for a long time. 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)

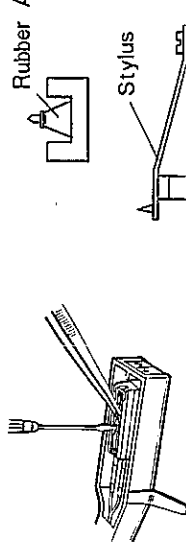


Fig. 4

COMPACT CASSETTE

Inserting the cassette

Open the cassette insertion lid by pressing the Eject key. Insert the cassette with the full reel to the left (visible through the window) and the tape slot toward the control panel. (Fig. 5) The cassette fits into the recorder only in the correct position. Now the cassette insertion lid may be closed and the recorder is ready to operate. Remove the cassette by pressing the Eject key.

NOTE: When inserting or removing the cassette, make sure that the stop key is pressed down. Start and end portions of the tape are attached permanently to the reels. When the end of the tape has been reached while recording, playing back, winding forward or rewinding, the reels are stopped automatically. The push key should then be set to position STOP.

Track system

When the cassette is inserted with "SIDE 1" up, recording or playback is done on tracks 1 and 2 (see Fig. 6). Tracks 4 and 3 can be used by simply turning the cassette over, and inserting it with "SIDE 2" up.

RECORDING

Recording from the microphone

1. Turn the Function selector to TAPE.
2. (a) Stereo recording

Plug the Right channel microphone (two-pronged plug) into the RIGHT MIC and REMOTE jacks. Plug the Left channel microphone (one pronged plug) into the LEFT MIC jack.

(b) Monaural recording

3. Plug the Right channel microphone (two-pronged plug) into the RIGHT MIC and REMOTE jacks. Monaural recording is made on both channels by this operation. (Fig. 8, 9)

3. Press down the Record key only and adjust the recording level by turning the Right and Left volume control knobs so that during the loudest sound the level meter pointer stays within the black zone. If it deflects into the red zone, distortion of the recorded sound will occur. (Fig. 10)

4. Adjust the level of both channels for stereo recording by placing the level meter select switch to RIGHT or LEFT in turn. Set the level meter switch to RIGHT monaural recording.
5. While holding the Record key down, also press the Play key. Both keys will stay down, and the recording will begin on the tape.

6. To stop recording press the Stop key.
 7. Auto stop
- At the end of the tape the record and play keys will automatically disengage and the mechanism will stop.

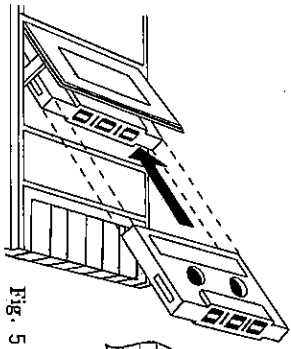


Fig. 5

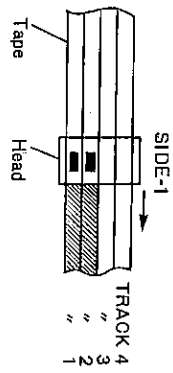


Fig. 6

Tape length indicator marks
The cassette can of course be reversed at any desired moment without winding or rewinding the tape completely. By remembering or noting the mark on the cassette up to which the left-hand reel had been full at a particular moment, this section of the recording can later be found easily. Convenient for indexing tape, too.

Safeguard against accidental erasing

Every time a recording is made, the sound previously recorded on the tape is erased automatically. To safeguard valuable recordings against accidental erasing the cassette and set are equipped with special devices.

On the back of the cassette you find two little flaps. If you want to make sure that a recording can never be erased again, break out these flaps with a knife or key. The resulting opening interlocks the recording key of the recorder. The Recording key can not be depressed when this tape is inserted. If only one track is to be protected, break out only the flap to the left when the tape is in the position for using that track. (Fig. 7)

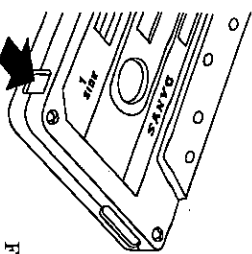


Fig. 7

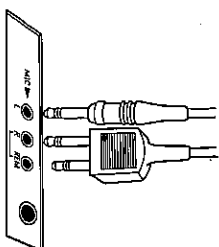


Fig. 8
(Model G-2612H)

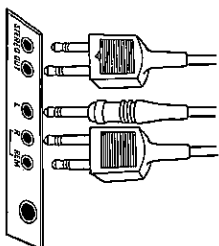


Fig. 9
(Model G-2612N)

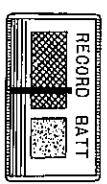


Fig. 10

Remote control

This Cassette Recorder incorporates a remote-controlled start/stop switch. When recording must be interrupted and started again frequently, use the switch on the right channel microphone to start and stop the tape recorder. In this case, the recorder remains set to recording position, only the tape movement is stopped, thus permitting quick change-over between stop and recording.

Recording from the built-in radio or phonograph

1. Turn the Function selector to **RADIO BAND** or **PHONOGRAPH**.
2. Select the desired radio station or play a phonograph record.
3. Other recording procedures are the same as above.

Monitoring

To ascertain the sound quality of the material being recorded, monitoring is possible in the following ways.

When recording from a microphone, set the Monitor switch to **OFF** (Howling may occur when the Monitor switch is set to **LOUD**). When recording from the built-in radio or phonograph, set the Monitor switch to **LOUD** or **SOFT**.

FAST FORWARD AND REWINDING

For fast forward winding of the tape, press the Forward key. Release the key when the end of the tape has been reached.

For rewinding of the tape, press down the Rewind key. Press the Stop key when the end of the tape has been reached.

PLAYBACK

1. Insert a stereo or monaural recorded cassette and turn the Function selector to **TAPE**.
2. Press down the Play + Rec key.
3. Adjust the Volume and Balance the speakers with the Right and Left volume control knobs.
4. Adjust the tone control knob for the desired tone quality.
5. To end playback, press the Stop key.
6. This tape deck has an **AUTO-STOP** mechanism. When the end of the tape is reached, the play key will automatically release and the mechanism will stop.

USING STEREO HEADPHONES

A low impedance stereo headphone can be plugged into the headphone jack on the front cabinet. When a headphone set is plugged in, the speakers are automatically disconnected to permit private listening without disturbing others.

STORAGE

If the unit is to be stored for a long time, remove the batteries. Leakage of batteries might cause damage to the mechanism. Store the unit in a cool, dry place.

SPECIFICATIONS

(Model G-2612H)

Transistors

- 1 Local oscillator
- 1 Mixer
- 2 IF amplifier
- 4 Cassette pre amplifier
- 1 Bias oscillator
- 3×2 AF amplifier
- 2×2 Power amplifier
- 3 Diodes

Diodes

Output power
Frequency range

- 2
- 3W × 2 (PMP)
- MW 530 - 1605 KHz
- SW₁ 2.3 - 7.0 MHz
- SW₂ 7.0 - 22.0 MHz
- 455 KHz

Intermediate frequency

- 35-1/3, 45, 78 rpm

Turntable speed

- AC bias

Recording system

- DC erase
- 60 min. (G-60), 90 min. (G-90)

Erasing system

- 4" × 2 ferrite core speaker, voice coil impedance 4 ohms

Power source

- DC 9V (6 × "D" size flashlight batteries)
- AC110/220/240V select (50/60Hz)

Dimensions

- 12-63/64" (W) × 5-33/64" (H) × 11-47/64" (D)
- (330 × 140 × 298mm)

Weight

approx.

(Model G-2612N)

Transistors

- 1 FM RF amplifier
- 1 FM converter
- 2 FM IF amplifier
- 1 AM converter
- 2 FM&AM IF amplifier
- 4 Cassette pre amplifier
- 1 Bias oscillator
- 6 AF amplifier
- 4 Power amplifier
- 1 FM AGC
- 2 FM limiter
- 2 Discriminator
- 1 AM AGC & detector
- 2 Rectifier
- 2 Detector

Diodes

- 2
- 3W × 2 (PMP)
- AM 530 - 1605 KHz
- SW 3.2 - 12.0 MHz
- FM 88 - 108 MHz
- 35-1/3, 45, 78 rpm
- AC bias
- DC erase
- 60 min. (G-60), 90 min. (G-90)

Thermistors

Output power.

Frequency range

Recording system

Erasing system

Recording system

Erasing system

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Recording system

Erasing system

- 4" × 2 ferrite core speaker, voice coil impedance 4 ohms
- 200 ohms
- DC 9V (6 × "D" size flashlight batteries)
- AC110/220/240V select (50/60Hz)
- 12-63/64" (W) × 5-33/64" (H) × 11-47/64" (D)
- (330 × 140 × 298mm)

approx.

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