

  
**SANYO**

**MODEL GXT 4501H**  
**SOLID STATE**  
**STEREO MUSIC SYSTEM**

You have newly acquired a superb STEREO MUSIC SYSTEM. Developed and engineered by SANYO, this unit will prove to be a source of entertainment and listening pleasure for many years to come. Before you install and start operating your set, please read the instructions in this booklet carefully.

This will prevent errors in operation and assure maximum listening enjoyment.

## SELECTION OF LOCATION

1. Select a well-ventilated place that is not exposed to direct sunlight.
2. Avoid humid or dusty locations.
3. The set should not be placed near electric appliances that cause interference, such as home appliances, strong magnets, etc. Locations near electric heating systems should also be avoided.
4. In concrete buildings radio reception is improved if the set is placed near a window.

## PREPARATIONS

1. Unpack the unit. Connect the speakers before supplying power. (Fig. 3)
2. Turn each of the two clamping screws on the turntable board clockwise with a coin until it stops.
3. Unfasten the string holding the tonearm, and take the cap off the tip of the tonearm.
4. Plug the power cord into an AC outlet.

## CONTROLS (Receiver Section)

1. Tone control knob  
To increase the treble tone, turn the knob clockwise. To reduce the treble tone, turn it counterclockwise.
2. Function selector knob  
MW ..... For reception of MW broadcasts.  
SW<sub>1</sub> ..... For reception of SW<sub>1</sub> broadcasts.  
SW<sub>2</sub> ..... For reception of SW<sub>2</sub> broadcasts.  
PHONO ..... For playing records on the built-in turntable.  
TAPE ..... For tape playback on the built-in cassette recorder or tape deck.  
AUX ..... When using the AUX input jacks, for playback from an external tape recorder.
3. Tuning knob  
For selecting the desired radio station.
4. Left volume control knob  
To increase the left volume, slide the knob toward "MAX". To reduce the volume, slide it toward "MIN".
5. Right volume control knob  
To increase the right volume, slide the knob toward "MAX". To reduce the volume, slide it toward "MIN".
6. Stereo headphone jack  
Connection for stereo headphone (8 ohms).
7. Power switch.
8. Antenna terminal  
Connect the outdoor antenna lead to it.
9. Ground terminal  
Connect the ground lead to this terminal.
10. DIN socket  
For either recording or playback when connected to a separate amplifier, tuner, tape recorder, stereo phonograph with a DIN connector.
11. Speaker terminals  
Connect the cord from the right speaker into the "R" terminals, and that from the left speaker into the "L" terminals.
12. Voltage selector socket.
13. AC power cord.

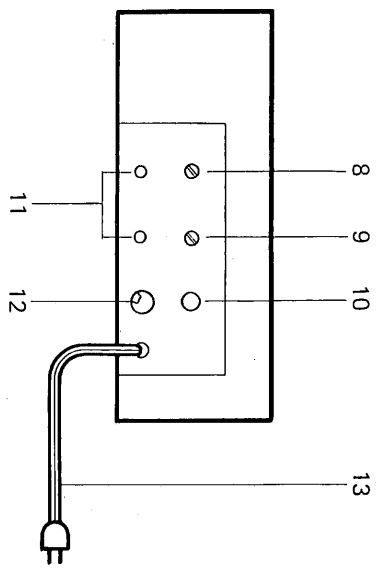
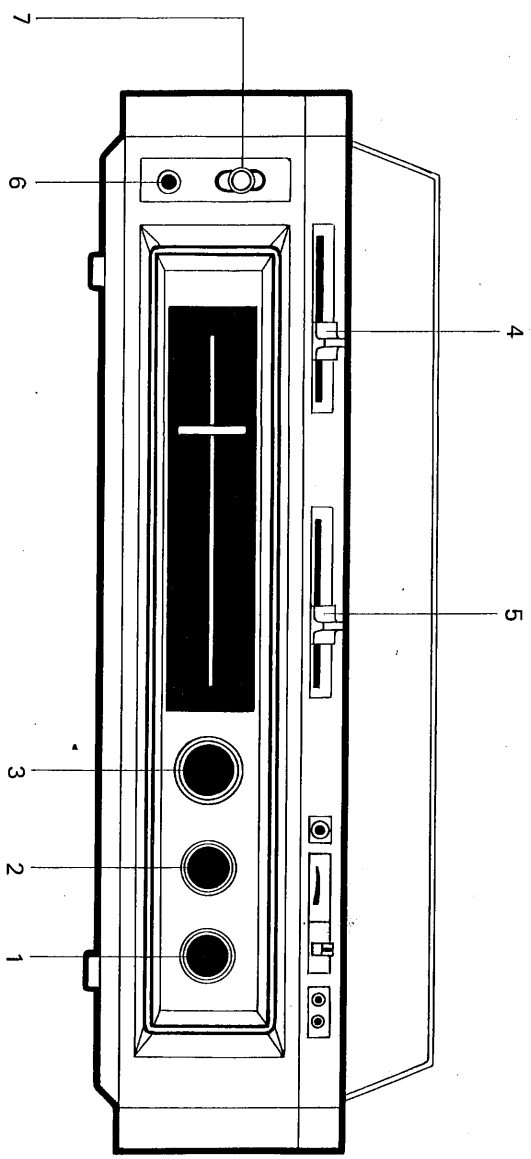


Fig. 1

## INSTALLATION OF ANTENNA

### Short distance

This unit is equipped with a built-in high quality ferrite bar antenna. No external antenna is needed under normal conditions.

### Long distance

Install an outdoor antenna or indoor antenna when using the set in a location far away from the station, in a noisy place, or in a concrete building. Connect this antenna to the antenna terminal of your set. (Fig. 2)

## LISTENING TO RADIO PROGRAMS

1. Set the power switch ON.
2. Set the function selector knob to the desired radio band, MW, SW<sub>1</sub>, or SW<sub>2</sub>.
3. Select the desired station by turning the tuning knob.
4. Adjust volume, and tone controls.

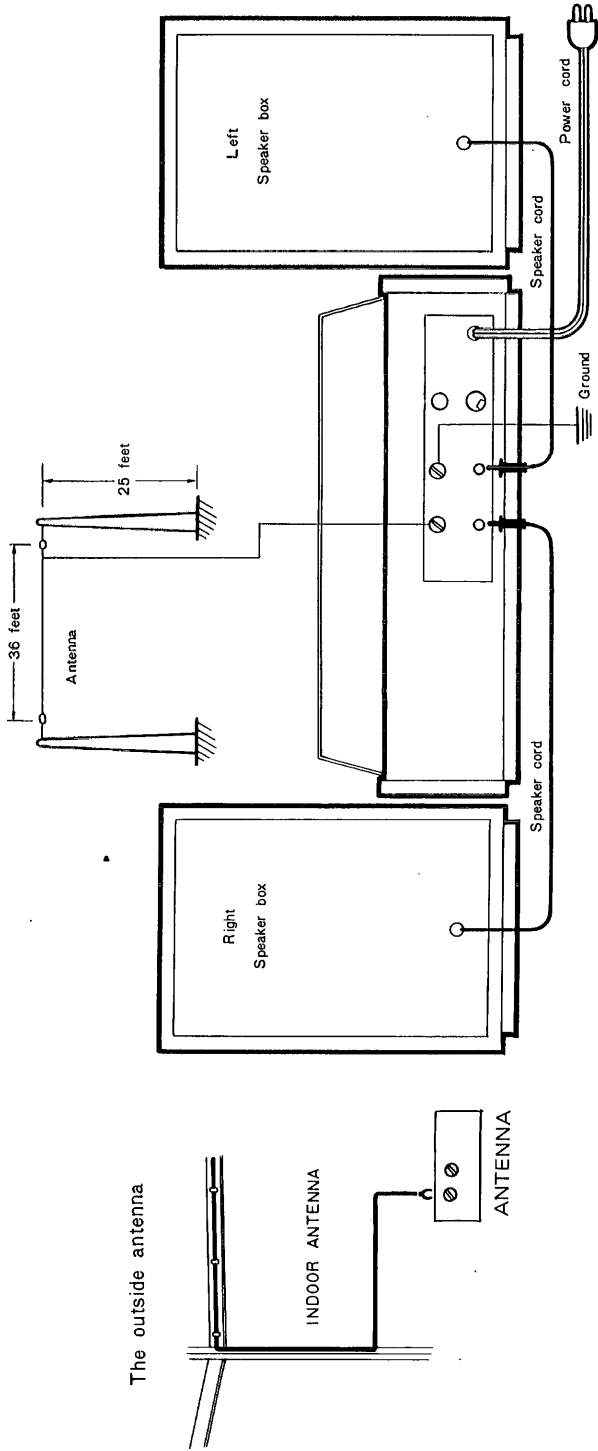


Fig. 2

Fig. 3

## CONTROLS (Turntable Section)

1. Clamping screw
2. Turntable
3. Tonearm
4. Operation lever
5. Speed selector lever
6. 45 rpm. adaptor
7. Armrest

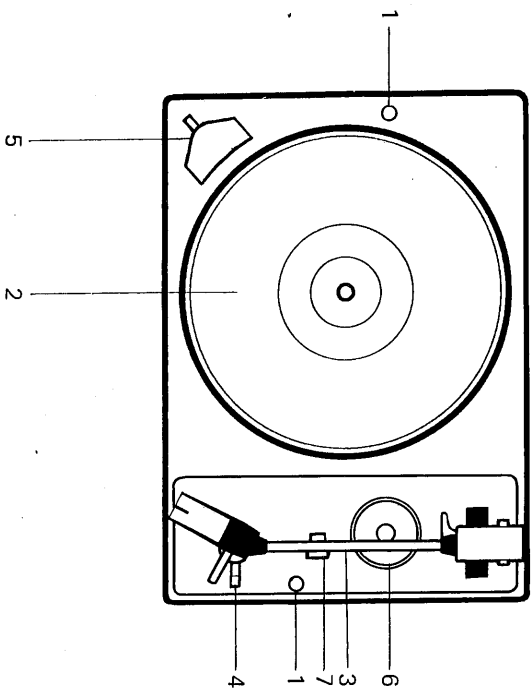


Fig. 4

## TO PLAY A RECORDS

1. Set function selector knob to "PHONO" position.
2. Place the record on the turntable.
3. Some 45 rpm. records require the use of the special adaptor, supplied with the set.
4. Set the speed selector knob according to the record speed: 33-1/3, 45.
5. Move the tonearm over the initial record grooves and set it down softly. The turntable will begin turning automatically.
6. Adjust volume, speaker balance and tone quality with the proper controls.
7. After the record has finished, the tonearm automatically returns to the armrest and the turntable will stop.  
If you wish to interrupt the play, turn the reject lever towards you. The tonearm will return to its armrest and the turntable will stop.

## TO CONVERT SET FOR DIFFERENT AC FREQUENCY

1. Remove the motor board and the turntable.
2. Remove motor pulley by loosening small screw.
3. Exchange it for spare motor pulley.
4. Exchange the lead wire of the motor coil to the proper frequency terminal.
5. Reassemble set.

### NOTE:

Be careful not to get any grease or oil the inside of the turntable, the idler or motor pulley.

If oil or grease should ever get on any of these parts, clean it off immediately with a cloth soaked in alcohol.

## 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.

Loosen the screw with a narrow screwdriver, and remove it with a tweezers.

To insert the new needle, reverse the above procedure.

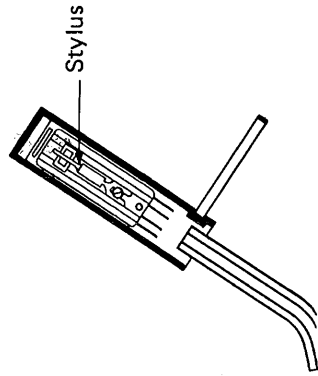


Fig. 5

## USING STEREO HEADPHONE

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

## USING A MICROPHONE

To sing along with the record or broadcast, a microphone (optional accessories) can be plugged into the unit. The microphone input sound level is set with the microphone level control. The microphone to be using is a low impedance type.

## CONTROLS (Cassette Recorder Section)

1. Record key
2. Rewind key
3. Fast forward key
4. Play key
5. Stop key
6. Eject key
7. Monitor switch
8. Recording level meter
9. Level meter selector switch
10. Left channel microphone jack
11. Right channel microphone jack
12. Remote control jack
13. Cassette insertion lid
14. Microphone and cassette storage box

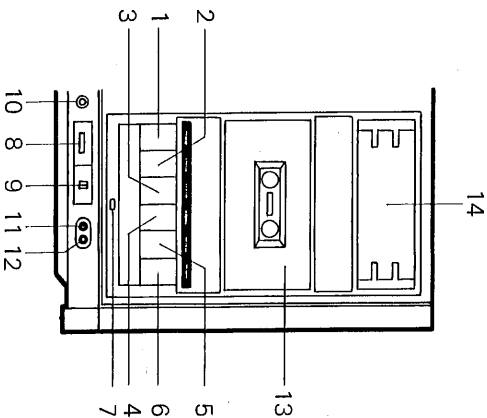


Fig. 6

## TO INSERT THE CASSETTE

1. Press the recorder stop key.
2. 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. 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. To remove the cassette, press the eject key.

**NOTE:**  
When inserting or removing the cassette, make sure that the stop key is pressed down.

## 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 the unit are equipped with special devices.

On the back of the cassette are two little flaps. To make sure that a recording cannot be erased, break out these flaps with a knife or key. The resulting opening interlocks the record key of the recorder. The record key cannot be depressed when this tape is inserted. If only one channel 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)

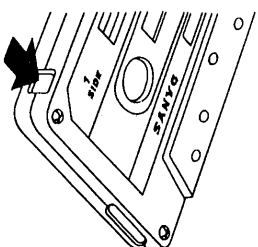


Fig. 7

## TRACK SYSTEM

When the cassette is inserted with "SIDE 1" up, recording or playback is done on tracks 1 and 2. (Fig. 8)  
Tracks 4 and 3 can be used by simply turning the cassette over and inserting it with "SIDE 2" up.

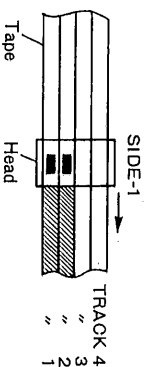


Fig. 8

## 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  
Plug the right channel microphone into the RIGHT MIC and REMOTE jacks. Monaural recording is made on both channels by this operation.

3. Press down the record key and adjust the recording level by sliding 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. 9)

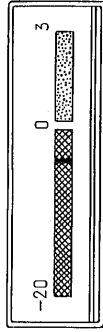


Fig. 9

4. Adjust the level of both channels for stereo recording by moving the level meter select switch to RIGHT or LEFT in turn. Set the level meter switch to RIGHT for monaural recording.
5. While holding the record key down, depress 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.

Remote control

This recorder incorporates a remote controlled start/stop switch. To stop and start recording, use the switch on the right channel microphone. The recorder remains in the mode, but the tape movement is stopped.

Recording from the built-in radio or phonograph, while listening.

1. Tune in the desired radio station or play a record on the turntable.
2. Other recording procedures are the same as for microphone recording. Disconnect the microphones when recording from radio or records.

To record stereophonically from other signal sources (8-track or reel to reel tape deck)

1. Connect the AUX input jacks to the output jacks of the other signal source.
2. Turn the function selector to "AUX".
3. Set the volume of the signal source to medium.
4. Other recording procedures are the same as above.

## MONITORING

To record while listening or to check the sound quality of the material being recorded. Proceed as follows;

When recording from a microphone, set the monitor switch to "OFF". Acoustic feedback may occur when the monitor switch is "ON". To record 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 cassette and turn the function selector to "TAPE".
2. Depress the play key.
3. Adjust the volume control 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.



# SPECIFICATIONS

## AMP /TUNER SECTION

Transistor	16
Diodes	8
Thermistors	2
Frequency range	MW 530 - 1605 KHz SW1 2.3 - 7.0 MHz SW2 7.0 - 22.0 MHz
Output power	15W (Total music power) 10W (Total max. power)
Power source	AC 120, 200, 220, 240V 50 or 60 Hz
Dimensions	19-1/2/16"(W) x 8-15/16"(H) x 13-1/2/16"(D) (500 x 210 x 349 mm)
Weight	14.3 lbs (6.5 Kg)

## CASSETTE RECORDER

Recording system	AC bias, 1/4 track
Erasing system	AC erasing, 1/2 track
Tape speed	1-7/8 ips. (4.75 cm/sec.)
Rewind & F. Forward time	120 sec. (C-60 tape)
Wow & flutter	0.2% RMS

## SPEAKER

Speaker	6-1/2" x 2
Input power	5W
Matching impedance	8 ohms
Dimensions	8-7/8"(W) x 13-3/16"(H) x 6"(D) (225 x 335 x 152 mm)
Weight	4.1 lbs. (1.85 Kg)

## PHONOGRAPH

Turntable speed	33-1/3, 45 rpm.
Pickup system	Ceramic stereo cartridge
Wow & flutter	0.25%
Tracking force	6 grams
Turntable	8" dia.

SANYO ELECTRIC CO., LTD. OSAKA, JAPAN

Printed in Japan