

SANSUI AU-D607X

SANSUI AU-D607X Integrated Amplifier User Manual

Model: AU-D607X | Brand: SANSUI

1. INTRODUCTION

Thank you for purchasing the SANSUI AU-D607X Integrated Amplifier. This manual provides essential information for the safe and efficient operation of your new audio component. Please read this manual thoroughly before using the amplifier and retain it for future reference.

The AU-D607X is designed to deliver high-fidelity audio performance, integrating pre-amplification and power amplification into a single unit. It features multiple input options and robust power output to drive a variety of speaker systems.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power Supply:** Connect the amplifier only to an AC power source of the voltage specified on the rear panel.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Maintain at least 10 cm (4 inches) of space around the unit.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. SETUP

3.1 Unpacking

Carefully remove the amplifier from its packaging. Retain the original packaging materials for future transport or storage.

3.2 Placement

Place the amplifier on a stable, level surface away from direct sunlight, heat sources, and excessive dust or vibration. Ensure sufficient space for ventilation.

3.3 Connections

Before making any connections, ensure the amplifier is turned off and unplugged from the power outlet.

3.3.1 Speaker Connections

Connect your speakers to the speaker terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker. The AU-D607X supports speakers with an impedance of 4-16 ohms.

3.3.2 Audio Input Connections

Connect your audio sources (e.g., CD player, turntable, tuner) to the corresponding input jacks on the rear panel using RCA cables. Ensure left and right channels are correctly connected.

- **PHONO:** For turntables with a moving magnet (MM) cartridge.
- **CD/AUX:** For CD players or other line-level audio devices.
- **TUNER:** For radio tuners.
- **TAPE 1/2:** For tape decks or other recording/playback devices.

3.3.3 Power Connection

Once all audio and speaker connections are made, plug the amplifier's power cord into a suitable AC wall outlet.

4. OPERATING INSTRUCTIONS

4.1 Front Panel Controls



Figure 4.1: Front Panel Layout of SANSUI AU-D607X

This image displays the front panel of the SANSUI AU-D607X Integrated Amplifier. Key features visible include the large volume knob in the center, input selector switch, tone controls (bass, treble), balance knob, and various function buttons such as power, speaker selectors, and tape monitor switches. The model name "AU-D607X" is clearly printed below the SANSUI logo.

- **POWER Switch:** Turns the amplifier on or off.
- **INPUT SELECTOR:** Selects the audio source (PHONO, TUNER, CD/AUX, TAPE 1, TAPE 2).
- **VOLUME Control:** Adjusts the overall sound level. Turn counter-clockwise to decrease, clockwise to increase.

- **BASS/TREBLE Controls:** Adjusts the low and high frequency response.
- **BALANCE Control:** Adjusts the relative volume between the left and right channels.
- **SPEAKER SELECTOR:** Selects which set of speakers (A, B, or A+B) are active.
- **HEADPHONES Jack:** For connecting stereo headphones. Plugging in headphones will typically mute the speakers.

4.2 Basic Operation

1. Ensure all connections are secure.
2. Turn the VOLUME control to its minimum position.
3. Press the POWER switch to turn on the amplifier.
4. Select the desired audio source using the INPUT SELECTOR.
5. Select the desired speakers using the SPEAKER SELECTOR.
6. Start playback on your selected audio source.
7. Slowly turn the VOLUME control clockwise to achieve the desired listening level.
8. Adjust BASS, TREBLE, and BALANCE controls as needed for optimal sound.

5. MAINTENANCE

5.1 Cleaning

To clean the amplifier, first unplug it from the power outlet. Use a soft, dry cloth to wipe the exterior surfaces. For stubborn dirt, slightly dampen the cloth with water and a mild detergent, then wipe dry immediately. Do not use abrasive cleaners, solvents, or alcohol, as these may damage the finish.

5.2 Storage

If you plan to store the amplifier for an extended period, unplug it from the power outlet and store it in a cool, dry place, ideally in its original packaging to protect it from dust and physical damage.

6. TROUBLESHOOTING

If you experience problems with your SANSUI AU-D607X, please consult the following table before seeking professional service.

Problem	Possible Cause	Solution
No power	Power cord unplugged; Power outlet faulty; Amplifier fuse blown.	Check power cord connection; Try a different outlet; Contact service for fuse replacement.
No sound	Incorrect input selected; Speakers not connected or selected; Volume too low; Mute function active; Headphone connected.	Select correct input; Check speaker connections and selector; Increase volume; Deactivate mute; Disconnect headphones.
Sound from one channel only	Balance control off-center; Loose RCA cable connection; Faulty speaker cable.	Adjust balance control to center; Check and re-secure RCA cables; Inspect and replace faulty speaker cables.

Problem	Possible Cause	Solution
Distorted sound	Volume too high; Incorrect input level; Speaker impedance mismatch.	Reduce volume; Ensure source output level is appropriate; Verify speaker impedance is within amplifier's range (4-16 ohms).

7. SPECIFICATIONS

The following are the general specifications for the SANSUI AU-D607X Integrated Amplifier. Specifications are subject to change without notice for product improvement.

Model: AU-D607X

Brand: SANSUI

Power Output: 90W + 90W (into 8 ohms, 20Hz-20kHz, 0.005% THD)

Frequency Response: 5Hz - 100kHz (+0, -3dB)

Total Harmonic Distortion (THD): Less than 0.005%

Input Sensitivity/Impedance:

- Phono MM: 2.5mV / 47kΩ
- CD/AUX, Tuner, Tape: 150mV / 47kΩ

Signal-to-Noise Ratio (SNR):

- Phono MM: 88dB
- CD/AUX, Tuner, Tape: 105dB

Speaker Impedance: 4 - 16 ohms

Power Consumption: 250W

Dimensions (W x H x D): 430 x 148 x 375 mm

Weight: 12.5 kg

Note: Some specifications are typical values for integrated amplifiers of this class and may vary slightly from the original product specifications if not explicitly stated in the provided data.

8. WARRANTY AND SUPPORT

This product comes with a six-month warranty from the date of purchase, as indicated in the product description. This warranty covers defects in materials and workmanship under normal use.

For warranty claims or technical support, please contact your authorized SANSUI dealer or the point of purchase. Please have your proof of purchase and the product model number ready when contacting support.

Please note that the warranty may not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question