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Technics SU-V460

Technics SU-V460 Stereo Integrated Amplifier User Manual

Model: SU-V460 | Brand: Technics

Introduction

This manual provides essential information for the safe and efficient operation of your Technics SU-V460 Stereo Integrated Amplifier. Please read this manual thoroughly before using the amplifier and retain it for future reference. The Technics SU-V460 is a high-quality audio amplifier designed to deliver excellent sound performance with a wide range of input and output options.

Product Overview



Figure 1: Front Panel Overview
This image shows the front panel of the Technics SU-V460 amplifier, highlighting the main controls such as the power button, volume knob, input selector, tone controls, and headphone jack.



Figure 2: Rear Panel Overview

This image displays the rear panel of the Technics SU-V460 amplifier, detailing the various input and output terminals for connecting audio sources and speakers.

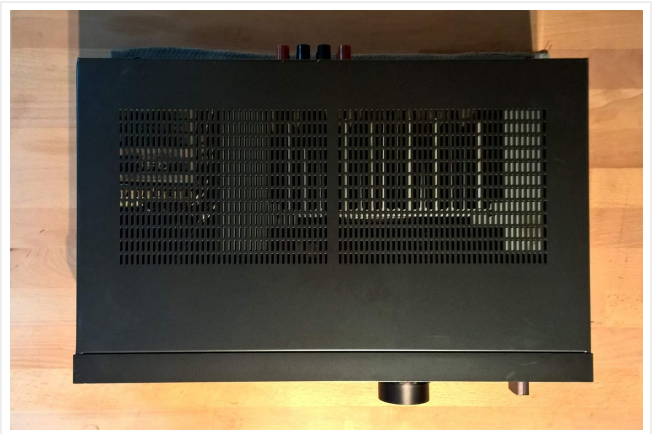

Figure 3: Top View
This image provides a top-down view of the Technics SU-V460 amplifier, showing the ventilation grilles essential for heat dissipation during operation.

Setup

1. Unpacking

- Carefully remove the amplifier from its packaging.
- Retain all packing materials for future transport or storage.
- Check for any visible damage. If damage is found, contact your dealer immediately.

2. Placement

- Place the amplifier on a stable, level surface.
- Ensure adequate ventilation around the unit. Do not block the ventilation grilles on the top or sides.
- Avoid placing the amplifier near heat sources, direct sunlight, or in areas with high humidity.
- Keep the amplifier away from other electronic devices that may cause interference.

3. Connecting Speakers

The SU-V460 supports two pairs of speakers (A and B). Ensure your speakers are rated for 8 Ohm or 4 Ohm impedance as specified in the specifications section.

1. Turn off the amplifier and unplug it from the power outlet before making any connections.
2. Connect the positive (+) terminal of your speaker to the positive (+) terminal of the amplifier's speaker output.
3. Connect the negative (-) terminal of your speaker to the negative (-) terminal of the amplifier's speaker output.
4. Ensure all connections are secure to prevent short circuits.

4. Connecting Audio Sources

The amplifier provides multiple input options:

- **Phono (MM/MC):** For connecting a turntable. Select MM or MC based on your cartridge type.
- **Tuner:** For connecting a radio tuner.
- **CD:** For connecting a CD player.

- **AUX:** For connecting general audio devices (e.g., portable music players, computers).
- **Tape 1** / **Tape 2** / **DAT:**For connecting tape decks or DAT players for recording and playback.
- **Power Amp Direct:** For bypassing the pre-amplifier section and directly connecting to the power amplifier.

Connect your audio source cables (RCA type) to the corresponding input jacks on the rear panel. Ensure left (white) and right (red) channels are correctly matched.

5. Power Connection

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

Operating Instructions

1. Power On/Off

- Press the **POWER** button on the front panel to turn the amplifier on or off.

2. Input Selection

- Rotate the **INPUT SELECTOR** knob to choose the desired audio source (Phono, Tuner, CD, AUX, Tape 1, Tape 2/DAT).

3. Volume Control

- Adjust the **VOLUME** knob to set the desired listening level. Start at a low volume and gradually increase it.

4. Tone Controls

- Use the **BASS** and **TREBLE** knobs to adjust the low and high frequency response.
- The **BALANCE** knob adjusts the relative volume between the left and right channels.
- The **LOUDNESS** button, when engaged, boosts bass and treble frequencies at low volume levels for a fuller sound.

5. Speaker Selection

- Use the **SPEAKERS** selector to choose between Speaker A, Speaker B, Speaker A+B, or Off (for headphone listening).

6. Headphone Output

- Connect headphones to the **PHONES** jack on the front panel. Speaker output will automatically mute when headphones are connected.

7. Power Amp Direct

- The **POWER AMP DIRECT** button allows you to bypass the pre-amplifier section, providing a direct path to the power amplifier. This is useful for connecting external pre-amplifiers or processors.

Maintenance

- **Cleaning:** Wipe the amplifier's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays.
- **Ventilation:** Regularly check that the ventilation grilles are free from dust and obstructions to ensure proper airflow and prevent overheating.

- **Connections:** Periodically check all cable connections for looseness or corrosion.
- **Storage:** If storing the amplifier for an extended period, unplug it from the power outlet and cover it to protect from dust.

Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Amplifier fuse blown.	Ensure power cord is securely plugged in; Try a different outlet; Contact service center for fuse replacement.
No sound	Incorrect input selected; Speaker cables disconnected/incorrectly connected; Volume too low; Mute engaged; Headphones connected.	Select correct input; Check speaker connections (polarity); Increase volume; Ensure Mute is off; Disconnect headphones.
Distorted sound	Input level too high; Speaker impedance mismatch; Damaged speaker cables.	Reduce input source volume; Check speaker impedance (8 Ohm or 4 Ohm); Inspect and replace damaged cables.
Humming or buzzing noise	Ground loop; Nearby electronic interference; Faulty cables.	Ensure proper grounding; Move amplifier away from other electronics; Replace audio cables.

If the problem persists after trying these solutions, please contact a qualified service technician.

Specifications

Feature	Specification
Model	SU-V460
Manufacturer	Technics
Type	Analog Class AA Integrated Amplifier
Power Output (DIN, 8 Ohm)	2 x 65 W
Power Output (DIN, 4 Ohm)	2 x 90 W
Total Harmonic Distortion (8 Ohm)	0.0009 %
Damping Factor (8 Ohm)	60
Frequency Response (Tuner, CD, AUX, Tape)	3 Hz to 100 kHz
Frequency Response (Phono)	30 Hz to 15 kHz
Frequency Response (Power Amp Direct)	2 Hz to 120 kHz
Signal-to-Noise Ratio	106 dB

Feature	Specification
Tone Control Bass	50 Hz, ±10 dB
Tone Control Treble	20 kHz, ±10 dB
Loudness	50 Hz, +9 dB
Dimensions (W x H x D)	430 x 125 x 320 mm
Weight	8 kg
Power Consumption	480 W
Manufactured	Japan (up to 1990)

Warranty and Support

This product is typically covered by a limited warranty provided by the original manufacturer or seller. Please refer to your purchase documentation for specific warranty terms and conditions.
For technical support, service, or warranty claims, please contact the retailer or the authorized service center where you purchased the product. Keep your proof of purchase for warranty validation.
For general inquiries or to find authorized service centers, you may visit the official Technics website or contact their customer support.

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