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## Marantz MODEL50

# Marantz Model 50 Pure Analog Stereo Integrated Amplifier User Manual

Model: MODEL50

## INTRODUCTION

The Marantz Model 50 is a pure analog stereo integrated amplifier designed for discerning audio enthusiasts. It delivers 70 watts per channel of Marantz current feedback power, utilizing HDAM SA-3 circuitry to drive loudspeakers with precision and control. This amplifier features six analog inputs, including a high-quality MM Phono stage, making it suitable for various stereo system configurations. This manual provides essential information for the proper setup, operation, and maintenance of your Model 50 amplifier.

## KEY FEATURES

- **High-Power Class A/B Amplifier:** Designed to maximize the potential of your loudspeakers with 70 watts per channel.
- **Fully Discrete HDAM Technology:** Marantz's proprietary Hyper Dynamic Amplifier Modules (HDAM) SA-3 circuitry ensures clarity, warmth, and three-dimensionality in audio reproduction.
- **Built-in Marantz Musical Phono EQ:** Compatible with Moving Magnet (MM) turntables, eliminating the need for external phono preamplifiers.
- **Versatile Connectivity:** Features six analog inputs, support for two speaker pairs, and outputs for external amplifiers and a subwoofer.
- **Pure Analog Design:** The absence of digital audio circuitry ensures intuitive operation and minimizes potential interference.
- **Stereo Preamp Out:** Allows for connection to external power amplifiers, leveraging the Model 50's discrete HDAM design.
- **Subwoofer Out:** Dedicated RCA output for connecting a powered subwoofer to enhance bass response.

## SETUP AND CONNECTIONS

Before connecting any components, ensure the amplifier is powered off and unplugged from the AC outlet.

## Front Panel Controls



*Image: Front view of the Marantz Model 50 integrated amplifier, showcasing its silver/gold finish. Key controls visible include the power button, input selector knob, speaker selector knob (A/B), bass and treble tone controls, balance knob, and a large volume knob. A central circular display shows the selected input and volume level. A headphone jack is located on the right side.*

- **Power Button ( )**: Turns the amplifier on or off.
- **Input Selector**: Rotates to select the desired audio source (e.g., CD, Tuner, Phono).
- **Speaker Selector (A/B)**: Selects speaker output A, B, or A+B. Ensure speakers are connected correctly to the corresponding terminals on the rear panel.
- **Bass/Treble Controls**: Adjusts the low and high frequency response.
- **Balance Control**: Adjusts the relative volume between the left and right channels.
- **Volume Control**: Adjusts the overall output volume.
- **Headphone Jack**: For connecting stereo headphones.

## Rear Panel Connections



*Image: Rear view of the Marantz Model 50 integrated amplifier, displaying its comprehensive array of input and output terminals. From left to right, connections include a signal ground terminal, Phono input (RCA L/R), multiple Audio In (CD, Tuner, Line 1, Line 2, Recorder) RCA pairs, Audio Out (Recorder) RCA pair, Pre Out (RCA L/R), Subwoofer Out (RCA), Power Amp In (RCA L/R), two sets of speaker terminals (A and B) for left and right channels, remote control input/output jacks, and the AC power inlet.*

- **SIGNAL GND**: Ground terminal for turntables.
- **PHONO (MM) Input**: Connect your turntable here. Ensure your turntable has a Moving Magnet (MM) cartridge.
- **AUDIO IN (CD, TUNER, LINE 1, LINE 2, RECORDER)**: Connect various analog audio sources using RCA cables.
- **AUDIO OUT (RECORDER)**: Connect to the input of a recording device.

- **PRE OUT:** Connect to an external power amplifier or active subwoofer if you wish to bypass the internal power amplifier.
- **SUBWOOFER OUT:** Connect to the LFE input of a powered subwoofer.
- **POWER AMP IN:** Allows connection of an external preamplifier or processor, bypassing the Model 50's internal preamplifier section.
- **SPEAKER TERMINALS (A & B):** Connect your loudspeakers. The Model 50 supports two pairs of speakers (A and B) and bi-wiring. Observe correct polarity (+ to + and - to -).
  - Impedance A or B:  $8\Omega \sim 16\Omega$
  - Impedance A and B:  $8\Omega \sim 16\Omega$
  - Bi-wiring:  $4\Omega \sim 16\Omega$
- **REMOTE CONTROL (IN/OUT):** For connecting to other Marantz components for synchronized remote operation.
- **AC IN:** Connect the supplied power cord here.

## OPERATING INSTRUCTIONS

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1. **Power On/Off:** Press the power button on the front panel or the remote control to turn the unit on or off.
2. **Select Input:** Rotate the Input selector knob on the front panel or use the input selection buttons on the remote control to choose your desired audio source (e.g., CD, Phono).
3. **Adjust Volume:** Rotate the large Volume knob on the front panel or use the volume up/down buttons on the remote control to set the listening level.
4. **Select Speakers:** Use the Speaker selector knob to choose between Speaker A, Speaker B, or both (A+B). Ensure your speakers are connected to the corresponding terminals.
5. **Tone Control:** Adjust the Bass and Treble knobs to fine-tune the sound to your preference. For a pure, uncolored sound, set these controls to their center (flat) position.
6. **Balance Adjustment:** Use the Balance knob to adjust the left/right channel balance. Set to the center for equal output.
7. **Headphone Use:** Plug headphones into the front panel headphone jack. This will typically mute the main speaker outputs.

## MAINTENANCE

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- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Avoid using abrasive cleaners, solvents, or chemical sprays, as they may damage the finish.
- **Ventilation:** Ensure adequate ventilation around the amplifier. Do not block ventilation openings. Avoid placing the unit in an enclosed cabinet without proper airflow.
- **Placement:** Place the amplifier on a stable, level surface away from direct sunlight, heat sources, and excessive moisture.
- **Power Cord:** Handle the power cord carefully. Do not pull on the cord to unplug it; grasp the plug firmly.

## TROUBLESHOOTING

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If you experience issues with your Marantz Model 50, refer to the following common troubleshooting steps:

- **No Power:**

- Check if the power cord is securely connected to both the amplifier and the AC outlet.
- Verify that the AC outlet is functioning by plugging in another device.
- Ensure the power button on the amplifier is pressed.

- No Sound:**

- Confirm that the correct input source is selected.
- Check speaker connections for proper polarity and secure attachment.
- Ensure the Speaker A/B selector is set to the connected speakers.
- Increase the volume level.
- If using headphones, ensure they are fully inserted and try removing them to check speaker output.
- Verify that all audio cables are securely connected between the source component and the amplifier.

- Distorted Sound:**

- Reduce the volume level.
- Check speaker impedance compatibility with the amplifier.
- Inspect audio cables for damage or loose connections.
- Ensure tone controls (Bass/Treble) are not set to extreme levels.

- Hum or Buzz:**

- Ensure all ground connections are secure, especially for turntables (SIGNAL GND).
- Try moving the amplifier or source components away from other electronic devices that may cause interference.
- Check for loose cable connections.

If the issue persists after performing these checks, consult a qualified service technician.

## SPECIFICATIONS

<b>Channels</b>	2
<b>Power Output</b>	70 Watts per channel (Class A/B)
<b>Current Feedback Topology</b>	Yes
<b>Phono EQ</b>	Marantz Musical (MM)
<b>HDAM Version</b>	SA2, SA3
<b>Analog Inputs</b>	6 (including MM Phono)
<b>Preamp Output</b>	Stereo RCA
<b>Subwoofer Output</b>	RCA
<b>Product Dimensions (W x D x H)</b>	21 x 20 x 10 inches (approximate, based on product dimensions)
<b>Item Weight</b>	35.5 pounds
<b>Power Consumption</b>	220W (as indicated on rear panel image)

**Batteries for Remote**

2 AAA batteries (not included with amplifier)

## WARRANTY AND SUPPORT

The Marantz Model 50 Pure Analog Stereo Integrated Amplifier comes with a**Five-Year Warranty**. For warranty claims or technical support, please contact Marantz customer service or visit the official Marantz website. Keep your proof of purchase for warranty validation.

For additional information and support, please refer to the official Marantz website or contact your authorized Marantz dealer.