

Because of its powerful amplifier channels and high-capacity power supply, the S-550i will benefit from a dedicated AC circuit. Avoid connections through extension cords or multiple AC adapters. High quality 20 amp AC strips are acceptable. Please contact your authorized Krell dealer, distributor before using any devices designed to alter or stabilize the AC power for the S-550i.

Follow these steps to connect the S-550i to your system.

Connecting the S-550i to Your System

Krell recommends using balanced interconnect cables. Balanced interconnect cables not only can minimize sonic loss but are also immune to induced noise, especially with installations using long cables. Balanced connections have 6 dB more gain than single-ended connections. When level matching is critical, keep this gain value in mind.

1. Make sure all power sources and components are off before connecting inputs and outputs.
2. Neatly organize the wiring between the S-550i and all system components. Separate AC wires from audio cables to prevent hum or other unwanted noises from being introduced into the system.
3. Connect the left and right loudspeaker cables to the integrated amplifier's left and right loudspeaker output terminals (14).
4. Connect the left and right outputs of your source components to the appropriate analog inputs (15, 16, 17) on the S-550i.
5. Use the preamp outputs (19) to connect to an additional power amplifier.
6. Plug the AC cord into the IEC connector (22) on the back panel of the S-550i. Plug the remaining end into the AC wall receptacle. Turn on the Power Breaker Switch on the rear panel. The red stand-by LED (2) illuminates and the display shows the software version.

Note

Use only the power cord provided with the S-550i to make the connection to AC power. Operation with a power cord other than the one supplied by Krell can induce noise, limit current, or otherwise impair the ability of the integrated amplifier to perform optimally.

When powering up any system, always turn amplifiers on last. When powering down, always turn amplifiers off first.

1. When the amplifier is in stand-by mode, with the red stand-by LED (2) illuminated, turn the amplifier on by pressing the power button on the front panel or the power key on the remote control (1). There are audible clicks. The blue power LED (2) illuminates. The S-550i is now in the operational mode.
2. With the amplifier in the mute position, or the volume control fully attenuated, select a source from the front panel or the remote control (4).
3. Start playing the source.
4. Set the volume to a comfortable listening level using the level knob on the front panel or the level keys on the remote control (7).
5. To turn the amplifier off, press the power button on the front panel or the power key on the remote control (1). The red stand-by LED (2) illuminates. It is now safe to turn off the rest of the system.

Operating the S-550i

Channel Balance Adjustment

The balance function allows adjustment of the left and right balance. The options are: CENTER, L 1-5 dB <, R 1-5 dB >. The remote control has direct (10) keys to make these adjustments. For front panel adjustment follow the steps listed below.

1. Press the S-550i's menu button (6), then use the level control knob, to select: BALANCE.
2. Press the level control knob (8). The display shows (9) the default mode: CENTER.
3. Use the level control knob to select the desired balance option from 1 to +5 dB in 1 dB increments, left or right.
4. Press the level control knob (8) to confirm the selection. The display reads: BALANCE.
5. Press the MENU button to return to normal operation.

MODEL: S-550i Integrated Amplifier **SERIAL NUMBER:** _____

Getting Started

The owner's reference for this product, including a detailed description of features, technologies, and warranty is available on the web at: www.krellonline.com

Overview



WARNINGS



This product complies with the EMC directive (89/336/EEC) and the low-voltage directive (73/23/EEC).

This CLASS 1 apparatus must be connected to a MAINS socket outlet with a protective earthing connection.

Unpacking

Note

Save all packing materials. If you need to ship the S-550i in the future, repack the unit in its original packaging to prevent shipping damage.

Placement

Thank you for your purchase of the Krell S-550i Remote Control Integrated Amplifier. This fully integrated amplifier and preamplifier has a discrete signal path from input to output and employs a wide bandwidth design with low negative feedback for sonic accuracy throughout the frequency spectrum. All circuits up to the driver stage operate in pure Class A.

Krell's new surface mount technology (SMT) means that the S-550i is an integrated amplifier with big power—275 Watts per channel—that does not require big space. SMT allows individual circuit elements to be placed very close together. This shortens signal paths and allows circuit elements to operate at the same temperature, resulting in more accurate signal transfer and enhanced reliability.

The S-550i is easy to operate and integrate into your system. The remote control accesses all amplifier functions, and remote control connection options allow the S-550i to be easily connected with other components. The Theater Throughput feature provides easy integration of the amplifier into a home theater system.

Do not place the integrated amplifier where it could be exposed to dripping or splashing.

Do not remove or bypass the ground pin on the end of the AC cord. This may cause radio frequency interference (RFI) to be introduced into your playback system.

The ventilation slots on the top and bottom of the integrated amplifier must be unobstructed at all times during operation. Do not place flammable material on top of or beneath the component.

Turn off all systems' power before connecting the integrated amplifier to any component.

Make sure all cable terminations are of the highest quality, free from frayed ends, short circuits, or cold solder joints.

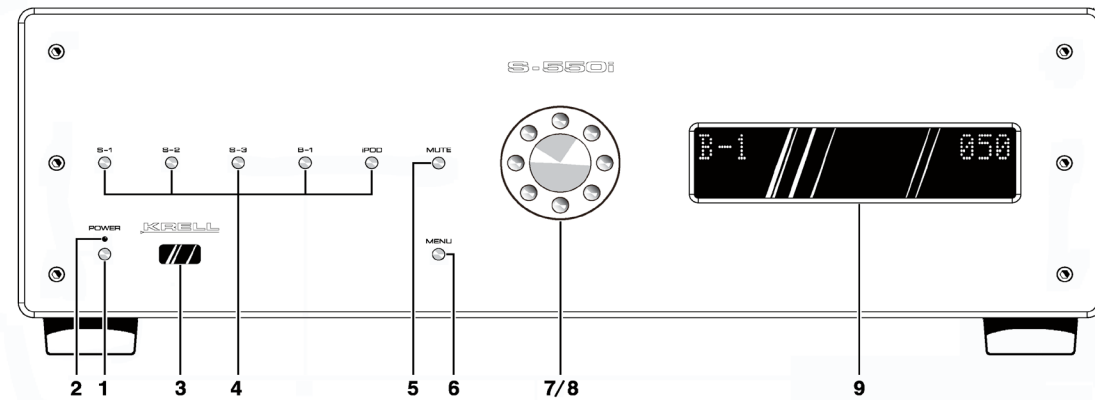
THERE ARE NO USER-SERVICEABLE PARTS INSIDE ANY KRELL PRODUCT.

1. Open the shipping box and remove the top layer of foam. You will see these items:

1 S-550i chassis	1 Owner's Reference
1 iPod dock	1 Remote control
1 IEC connector (AC power) cord	1 T-10 Torx wrench for remote
	2 AAA remote batteries
2. Carefully remove all items from the shipping box.
3. Place the preamplifier and power supply in a safe location and remove the protective plastic wrapping.

Place the S-550i on a firm, level surface, away from excessive heat, humidity, or moisture. The integrated amplifier requires at least one inch (2.54 cm) of clearance on each side and at least two inches (5 cm) of clearance above to provide adequate ventilation. Installations inside cabinetry may need extra ventilation.

Figure 1 The S-550i Front Panel



Front Panel

- 1 Power Button**
Use this button to switch the S-550i between stand-by and operational modes.
- 2 Stand-by LED**
The stand-by LED illuminates red when the S-550i is plugged into a standard AC wall receptacle and the rear panel power breaker switch is in the up position, indicating that the amplifier is in the stand-by mode and ready to be switched to the operational mode. The LED illuminates blue when the S-550i is in operational mode.
- 3 Infrared sensor**
This receives commands from the remote control. Make sure this is not obstructed.
- 4 S-1, S-2, S-3, B-1 and iPod Buttons**
Use these buttons to select a balanced analog source component (B-1) via an XLR connector, or a single-ended analog source component (S-1, S-2, or S-3) via single-ended RCA connectors, or an iPod via a special 30-pin iPod dock.
- 5 Mute button**
Use this to mute the S-550i output. To unmute, press the mute button again.
- 6 Menu button**
Use this to access the menu functions of the S-550i.
- 7 Level Control knob / Level Keys**
The level knob on the front panel or the level keys on the remote control adjust the amplifier output level. The output level is indicated numerically on the front panel display, with a range from 0-151.
- 8 Level Control knob / Enter Key**
Press the level knob or use the enter key to configure the menu functions of the S-550i.
- 9 Front Panel Display**
The front panel display shows the input selected, volume and balance levels, and Theater Throughput status.

Remote Control

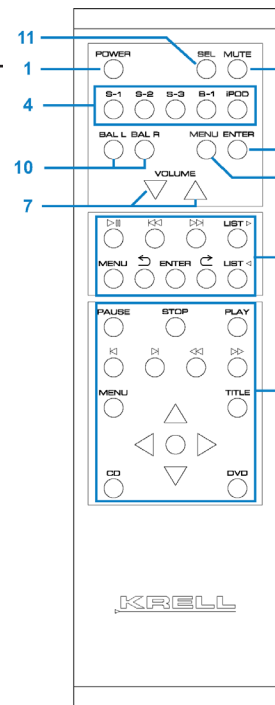
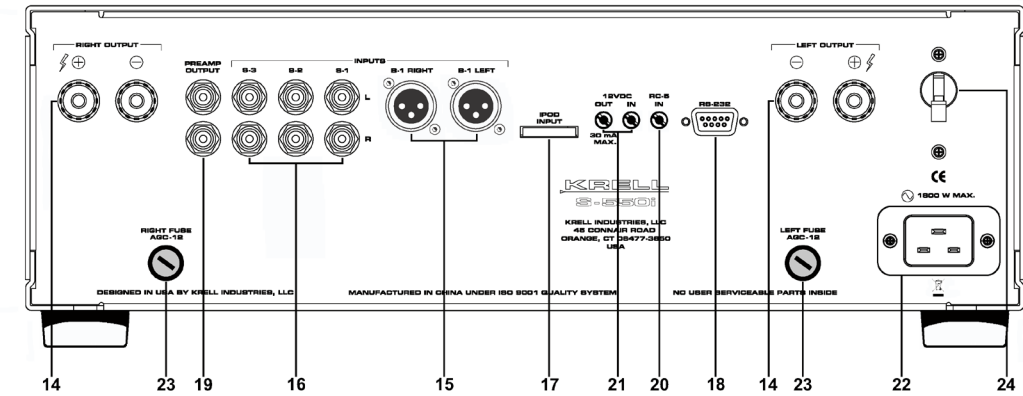


Figure 2 The Remote Control

- Keys labeled 1 to 8**
have the same function (and callout number) as the front panel controls.
- 10 BAL (Balance) Keys**
Use these keys to shift the balance to the left or the right channel.
- 11 SEL (Select) Key**
Used to select advanced meter or display functions on other current Krell products.
- 12 Direct iPod Functions**
With an iPod connected to the special iPod dock, basic control functions are available from the remote control.

- 13 CD / DVD Transport Control**
Used to control basic CD / DVD functions on other current Krell products (S-350a).
- Note**
The remote comes with two AAA batteries that have to be installed. Use the supplied Torx wrench to remove the battery panel, then install the batteries.

Figure 3 The S-550i Back Panel



Back Panel

- 14 Loudspeaker Outputs**
The S-550i is equipped with standard binding posts for each amplifier channel.
- 15 Balanced Analog Inputs**
The S-550i is equipped with one pair of balanced (B-1) inputs via XLR connectors.
- 16 Single-Ended Analog Inputs**
The S-550i is equipped with three pairs of single-ended (S-1, S-2, or S-3) inputs via RCA connectors.
- 17 iPod Input**
The S-550i is equipped with a balanced stereo iPod input via a locking 30-pin connector. The required iPod dock is supplied.
- 18 RS-232**
The RS-232 port receives messages from a computer-based control system, providing integrated controls of all integrated functions. The RS-232 input uses a 9-pin D-subminiature connector.
- 19 Preamp Outputs**
The S-550i is equipped with a pair of single-ended preamplifier outputs.
- 20 RC-5 In**
The S-550i is equipped with an RC-5 input that makes custom installation easy and secure by accepting baseband RC-5 input commands from a remote IR detector or hardwired remote controllers.
- 21 12 VDC In/Out (12 V trigger)**
The 12 V Trigger input allows you to place the S-550i into the stand-by or operational mode from other components. The 12 V trigger output allows the S-550i to turn other components on or off.
- 22 IEC Connector**
The connector is for use with the provided IEC standard 20 amp power cord. This connector and power cord must remain unobstructed for easy removal in case of emergency.
- 23 Speaker Fuses**
The speaker fuses protect the S-550i and the loudspeakers in case of overload, short circuit, or malfunction.
- 24 AC Power Breaker Switch**
Use this switch to change the S-550i from off to the stand-by mode.

Figure 4 Connection Diagram

