

Instructions for Use



Owner's Reference

S-300i
Remote Control Integrated Amplifier
Instructions for Use
v 1.0

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INFORMATION

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WARNINGS

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

The ventilation grids on the top and bottom of the S-300i must be unobstructed at all times during operation. Do not place flammable material on top of or beneath the component.

When making connections to this or any other component, make sure all components are off. Turn off all systems' power before connecting the S-300i to any other 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.

Please contact your authorized dealer, distributor, or Krell if you have any questions not addressed in this reference manual.

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Introduction

Thank you for your purchase of the Krell S-300i 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 are balanced and pure Class A.

Krell's new surface mount technology (SMT) means that the S-300i is an integrated amplifier with big power—150 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-300i is easy to operate and integrate into your system. The remote control accesses all amplifier functions, and remote control connection options allow the S-300i to be easily connected with other components. The Theater Throughput feature provides easy integration of the amplifier into a home theater system.

This owner's reference manual contains important information on the placement, installation, and operation of the S-300i. Please read this information carefully. A thorough understanding of these details will help ensure satisfactory operation and long life for your S-300i and related system components.

Definition of Terms

Following are the definitions of key terms used in your owner's reference manual.

CONFIGURATIONS

Theater Throughput

Theater Throughput is a Krell configuration option that allows the signal from a surround preamp/processor to pass through a Krell preamplifier or integrated amplifier with no gain, for integrated volume and balance management of Krell home theater systems.

INPUT AND OUTPUT CONNECTIONS

Balanced

A symmetrical input or output circuit that has equal impedance from both input terminals to a common ground reference point. The industry standard for professional and sound recording installations, balanced connections have 6 dB more gain than single-ended connections and allow the use of long interconnect cables. Balanced connections are completely immune to induced noise from the system or the environment.

Single-ended

A two-wire input or output circuit. Use care when using single-ended connections as the ground connection is made last and broken first. Turn the system off prior to making or breaking single-ended connections. Single-ended connections are not recommended for connections requiring long cable runs.

iPod

A direct balanced input carried via a special termination utilizing a 30-pin connector. This connection is designed specifically for iPods and allows charging and control functions in addition to music playback.

OPERATION

Off

The component is off when the rear panel button is not depressed.

Stand-by Mode

A low power consumption status that keeps the audio circuits at idle. When you press the rear panel power button, the red stand-by LED illuminates. The component is now ready to be switched to the operational mode. Krell recommends leaving the component in the stand-by mode when it is not playing music.

Operational Mode

When the component is in the stand-by mode, and you press the power button on the front panel or the power key on the remote control, the blue power LED illuminates. The component is in the operational mode and is ready to play music.

TECHNOLOGY

Krell Current Mode

A proprietary Krell circuit topology in which the audio gain stages of a component operate in the current rather than voltage domain. This unique technology provides the component with exceptional speed and wide bandwidth capabilities.

Unpacking

Follow these steps to safely unpack the S-300i:

1. Open the shipping box and remove the top layer of foam. The S-300i and the S-300i accessory kit containing the following items are visible:
 - 1 AC power cord
 - 1 S-300i remote control
 - 1 30-Pin iPod connection cable
 - 1 packet containing the Quick Setup Guide and the warranty registration card
2. Grasp the underside of the amplifier and lift it straight out of the packing box.
3. Place the amplifier in a safe location and remove the protective plastic wrapping.

Notes

If any of these items are not included please contact your authorized Krell dealer.

Save all packing materials. If you must ship your S-300i in the future, repack the unit in its original packaging to prevent shipping damage.

Placement

Before you install the S-300i into your system, review the following guidelines to choose the location for the S-300i. This will facilitate a clean, trouble-free installation. The S-300i does not require any type of special rack or cabinet for installation. For the dimensions of the S-300i, see *Specifications*, on the back cover.

Place the S-300i on a firm, level surface, away from excessive heat, humidity, or moisture. The S-300i requires at least 1 inch (2.54 cm) of clearance on each side and at least two inches (5 cm) of clearance above the component to provide adequate ventilation. Installations inside cabinetry may need extra ventilation.

The S-300i is not hum-sensitive. Other components may be placed on or around the S-300i (make sure ventilation grids remain unobstructed).

Place the amplifier as close to the loudspeakers as possible and keep loudspeaker cable lengths to a minimum. Loudspeaker cable adds impedance to the load the amplifier must drive, regardless of the cable's gauge. All Krell amplifiers drive the lowest impedances with ease, but long loudspeaker cables reduce the maximum power that can be delivered to the loudspeakers.

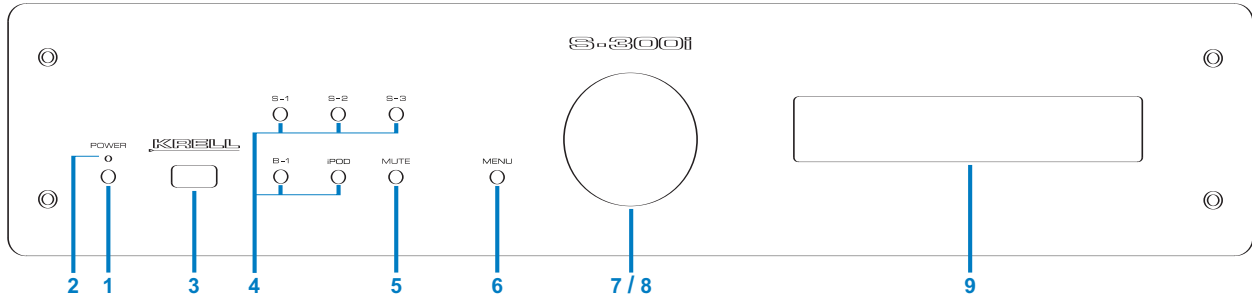
AC Power Guidelines

The S-300i has superb regulation and does not require a dedicated AC circuit. Avoid connections through extension cords or multiple AC adapters. High quality 15 amp grounded AC strips are acceptable. High quality AC line conditioners or filters may be used if they are grounded and meet or exceed the unit's maximum power consumption of 1800 Watts.

Power Cord

The S-300i should be operated with the power cord supplied and connected directly to the AC power outlet. Please contact your authorized Krell dealer, distributor, or Krell before using any devices designed to alter or stabilize the AC power for the S-300i.

Figure 1 The S-300i Front Panel



Power

- 1 Power BUTTON
- 2 Power LED
- 3 Infrared Sensor

Input Devices

- 5 S-1, S-2, S-3, B-1 and iPod Buttons or Keys
- 7 Volume Level Knob or Level / Navigation Keys

Mode Control

- 6 MENU Button or Key
- 8 ENTER Button or Key
- 9 Display Window
- 12 Direct iPod control keys

Volume Adjustment

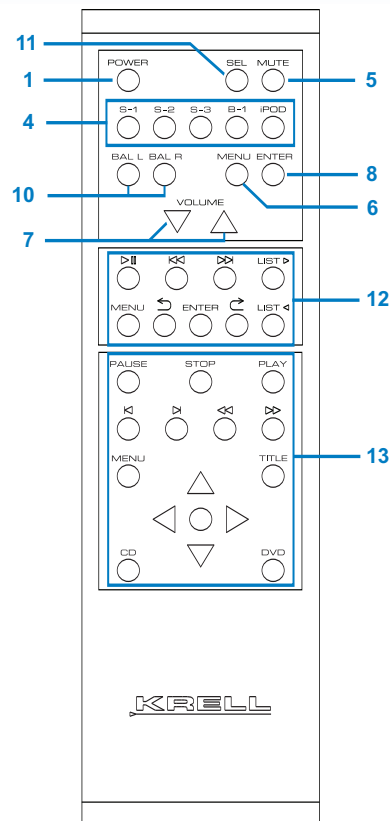
Functions

- 10 Bal (Balance) Keys (Remote)

Buttons for other KRELL products

- 11 Amp option select
- 13 CD/ DVD transport control

Figure 2 The S-300i Remote Control



Note

Some remote control keys listed above function with other current Krell components. Consult the Krell reference manual for each model to review your component's full remote control capabilities.

Front Panel/Remote Control Description

See Figures 1 and 2 on page 6

Power, analog input selections, and volume control accessed via the front panel of the S-300i are described in the illustration legend below. The front panel display shows volume and balance levels, and Theater Throughput status. Most front panel features can also be activated via the keys on the remote. Descriptions of special operational features of the remote control are outlined on pages 9-10:

POWER

1 Power Button or Key

Use this button to switch the S-300i between the stand-by and the operational modes.

2 Stand-by LED

The red stand-by LED illuminates when the S-300i is plugged into a standard AC wall receptacle and the rear panel power button is pressed, indicating that the amplifier is in the stand-by mode and ready to be switched to the operational mode.

3 Infrared Sensor

The infrared sensor receives commands from the S-300i remote control. For proper remote control operation, make sure that nothing is obstructing the infrared sensor.

4 S-1, S-2, S-3, B-1 and iPod Buttons and Keys

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 input via a special 30-pin connector.

ANALOG SOURCE COMPONENTS

5 Mute Button or Key

Use this button to interrupt the signal of the input you have selected. To unmute, press the mute button again.

6 Menu Button or Key

Use this button or key to access the menu functions of the S-300i.

MODE INDICATORS

7 Level 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

Use this button or key to configure the menu functions of the S-300i

VOLUME ADJUSTMENT FUNCTIONS

9 Front Panel Display

The front panel display shows volume and balance levels and Theater Throughput status.

10 Bal (Balance) Keys

Use these keys to shift the balance to the left or the right channel. Balance level is indicated in the front panel display (9). To display balance, push any key on the remote.

The front panel display indicates:

“ CEN “

when the system is balanced. If the system is not balanced, the front panel display indicates that the balance is right or left of center and by how much, on a scale of 1 (least out of balance) to 5 (most out of balance).

Example: A display of:

“ R + 3 “

means that the balance is moderately right of center. A display of:

“ L + 5 “

means the balance is severely left of center.

11 Select (SEL) Key - for use with other KRELL Products

Used to select advanced meter or display functions on other Current KRELL products.

Remote Control Only

See Figure 2 on page 6

Battery Installation and Removal

The S-300i remote control uses two AAA alkaline batteries, which are included with the shipment.

To open the battery compartment on the back of the remote control:

1. Place the remote face down on the table.
2. Use T-8 Torx wrench to remove the bottom cover.

Note

Do not use a knife or other sharp objects to open the battery compartment; they will scratch the remote control finish.

3. Insert two AAA batteries with their flat (-) Ends touching the springs in the battery holder.
4. Screw bottom cover back onto the remote

The remote control is ready for operation.

Replace batteries when remote control function becomes intermittent.

Remove batteries if the remote control is not used for a long period of time. Battery leakage can damage the remote control.

Notes

The S-300i remote control accesses complete power amplifier and preamplifier functions. A description of the functions unique to the S-300i follow:

Remote Control Only Functions

VOLUME ADJUSTMENT FUNCTION

12 Direct iPod Functions

With an iPod connected to the special 30-pin connector, basic control functions are available from the remote control.

Button Description from Left to Right:

Play/ pause

Previous Track

Next Track

Next List (Next playlist)

Menu (accesses iPod Menu)

Left wheel rotation (simulates iPod left circular motion)

Enter (selects track or option)

Right wheel rotation (simulates iPod right circular motion)

Previous List (Previous playlist)

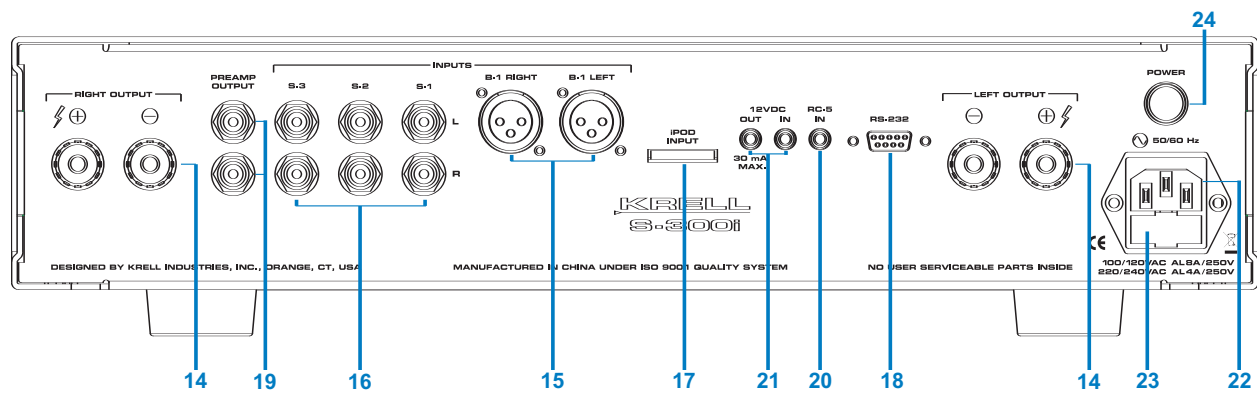
13 CD / DVD Transport Control - for use with other KRELL Products

Used to control basic CD/ DVD functions on other Current KRELL products.

Note

The remote control keys listed above function with the S-300i. Other keys on this remote control may activate other Krell components, for example, compact disc players. Consult the Krell owner's reference manual for each component to review your component's full remote control capabilities.

Figure 3 The S-300i Back Panel



Amplifier Channel

Outputs

- 14 Left and Right Loudspeaker Outputs

Analog Inputs

- 15 Left and Right Balanced Analog Inputs
- 16 Left and Right Single-ended Analog Inputs
- 17 Direct iPod Input

Analog Outputs

- 19 Left and Right Preamp Outputs

Remote Connections

- 18 RS-232 control Port
- 20 RC-5 In
- 21 12 VDC Trigger In/Out

Power

- 22 IEC Connector
- 23 Line Fuse
- 24 Main Power Button

Back Panel Description

See Figure 3 on page 11

The S-300i back panel provides connections for all inputs and outputs, power on/off, and additional remote connections.

AMPLIFIER CHANNEL OUTPUTS

14 Left and Right Loudspeaker Outputs

The S-300i is equipped with standard binding posts for each amplifier channel. These connectors accept bare wire, pins, banana plugs, or spade lugs. Use the red terminal for the positive connection and the black terminal for the negative connection.

ANALOG INPUTS

15 Left and Right Balanced Analog Inputs

The S-300i is equipped with one pair of balanced (B-1) inputs via XLR connectors.

16 Left and Right Single-Ended Analog Inputs

The S-300i is equipped with three pairs of single-ended (S-1, S-2, or S-3) inputs via RCA connectors.

17 iPod Input

The S-300i is equipped with a balanced stereo input via a locking 30-pin connector. The required 30-pin iPod cable is supplied.

18 RS-232

The RS-232 port receives messages from a computer-based control system, providing integrated control of all integrated functions. The RS-232 input uses a 9-pin D-subminiature connector.

Note

The RS-232 port does not function with the iPod Input.

ANALOG OUTPUTS

19 Left and Right Preamp Outputs

The S-300i is equipped with a pair of single-ended pre-amplifier outputs.

20 RC-5 In

The S-300i 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.

REMOTE CONNECTIONS

21 12 VDC In/Out (12 V Trigger)

The 12 V Trigger allows you to turn the S-300i on or off, or to and from stand-by, from other components.

Out. The output sends 12 VDC (12 V trigger) power on/off signals to other Krell components and other devices that incorporate a 12 V trigger.

Notes

In. The input receives 12 VDC (12 V trigger) power on/off signals from other Krell components and other devices that incorporate a 12 V trigger.

POWER

The 12 VDC output current is limited to 30 ma.

Consult the owner's reference of the components used in a custom installation to take full advantage of the remote capability of the S-300i.

22 IEC Connector

The connector is for use with the provided IEC standard 15 amp power cord.

23 Line Fuse

The 50/60 Hz line fuse protects the S-300i in case of overload or malfunction.

Note

24 AC Power Button

Use this button to change the S-300i from off to the stand-by mode.

Fuses must be replaced with the fuse value specified on the back panel.

Connecting the S-300i to Your System

USING BALANCED CONNECTIONS

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.

Connection Steps

Follow these steps to connect the S-300i to your system.

1. Make sure all power sources and components are off before connecting inputs and outputs.
2. Neatly organize the wiring between the S-300i 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).

The S-300i uses standard binding posts for each amplifier channel. These connectors accept bare wire, pins, banana jacks or spade lugs. Use the red terminal for the positive connection and the black terminal for the negative connection.

4. Connect the left and right outputs of your source components to the appropriate analog inputs (15, 16, 17) on the S-300i.

The S-300i is equipped with one balanced input (B-1), three single-ended inputs (S-1, S-2, or S-3), and one iPod input. The B-1, S-1, S-2, and S-3 inputs can be configured for Theater Throughput. See *Optional Configurations*, on page 17 for information on configuring an input for Theater Throughput.

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-300i. Plug the remaining end into the AC wall receptacle. Press the Power Button on the rear panel, The red stand-by LED (2) illuminates and the display shows the software version.

Pin assignments for the XLR connectors

- | | |
|-------|--------------------------|
| Pin 1 | Shield (ground) |
| Pin 2 | Non-inverting (hot) (0°) |
| Pin 3 | Inverting (cold) (180°) |

Operating Your S-300i

This section provides information about operating the S-300i. The S-300i provides input selection, volume control operation and any of the various menu functions via the front panel. The remote control includes additional source, preamp and amplifier functions as well. See **Remote Control Only**, on page 9, for more information.

After the S-300i is connected to AC power and in the stand-by mode, use the power button or key (1) to switch the component to the operational mode. The blue power LED (2) illuminates.

Amplifier Operation

The S-300i Remote Control Integrated Amplifier is easy to operate. However, great care should be exercised when operating a system that includes the S-300i, because of the amplifier's power output. Switching between active sources without muting the preamplifier output, or bumping/miscuing a device, can generate large transients at low frequencies. The S-300i may generate enough power with these transients to damage most loudspeakers. To avoid damage, be sure to switch all sources with the preamplifier level either muted or fully attenuated.

Note

Krell amplifiers have large reserves of clean power and can safely drive loudspeakers to higher sound pressure levels than other amplifiers. However, use care when setting high playback levels and lower the volume level at any sign of loudspeaker distress.

ON/OFF AND STAND-BY OPERATION

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 is an audible click. The blue power LED (2) illuminates. The S-300i 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).

**ON/OFF AND STAND-BY
OPERATION, continued**

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.

Note

When changing sources, lower the volume to off or mute the output. This ensures that the next source played does not damage your system with a high output transient.

**Preamplifier
Output**

The S-300i is equipped with a pair of single-ended preamplifier outputs (19). These outputs enable the S-300i to be used as a preamplifier when it is connected to a separate amplifier.

Note

The amplifier channel outputs are always active, even when the S-300i is being used only as a preamplifier.

Optional Configurations

Customizing the S-300i

The S-300i menu allows you to configure the following functions. You can also use the menu to review version information about the software.

Navigation Conventions

Navigating the S-300i menu is straightforward and consistent throughout.

(6) Menu Button or Key

To enter the menu, press the menu button on the preamplifier front panel or the menu key on the remote control. Once you are in the menu, you can press the menu button or key to exit the menu.

(7) Volume Knob or Level Keys

Use the level control knob on the preamplifier front panel or the volume up and down keys on the remote control to scroll forward and backward through the menu hierarchy. Each menu list is a continuous loop.

(8) Level Control Knob or Key

Press the level control knob on the preamplifier front panel or the enter key on the remote control to select a function or a configuration option, and to confirm a selection.

(9) Front Panel Display

The display shows the active function and configurable options.

Menu Features and Functions

Balance

This function enables you to adjust the balance between the left and right output channels. The options are: CENTER, Left 1-5dB, Right 1-5 dB, All Left, or All Right. The remote control has direct (10) keys to make these adjustments. For front panel adjustment follow the steps listed below.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or to select: BALANCE.
2. Press the level control knob on the preamplifier front. The front panel display (9) shows the default mode: CENTER.
3. Use the level control knob to select the desired balance option from +1 to +5 dB, in 1dB increments, left or right.
4. Press the level control knob to confirm the selection. The front panel display reads: BALANCE.
5. Press Menu to Exit out.

Input Balance Trim

This function enables you to adjust the balance between the left and right channels individually for each input. The options are: CENTER, L 1-6 dB, R 1-6 dB.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or volume up and down keys (7) on the remote control to select: INPUT BALANCE TRIM.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: S-1.
3. Use the level control knob or the up and down keys to select the desired input: S-1, S-2, S-3, B-1 or iPod.
4. Press the level control knob or key. The display (3) shows the default mode: CENTER.
5. Use the level control knob or the volume up and down keys to select the desired balance trim from +1 to +6 dB, in 1 dB increments, left or right.

6. Press the level control knob or key to confirm the selection. The front panel display reads: INPUT BALANCE TRIM.

Input Level Trim

This function enables you to select a GAIN offset individually for a particular input. The options are: +/-6 dB, in 1 dB increments.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or the up and down keys (7) on the remote control to select: INPUT LEVEL TRIM.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: S-1
3. Use the level control knob or the up and down keys to select the desired input: S-1, S-2, S-3, B-1 or iPod.
4. Press the enter button or key. The front panel display shows the level trim last entered. The default mode is: 0 dB.
5. Use the level control knob or the up and down keys to select the desired trim option: +/-6 dB, in 1 dB increments.
6. Press the enter button or key to confirm the selection. The front panel display shows the selected input.

Theater Mode

This function enables you to select theater mode volume for a particular input. Use this function when connecting the output of a preamp/processor to the S-300i for home theater applications. Configuring an input for theater mode sets that input for unity gain, and suspends the level control of the S-300i. Volume adjustments are then made through the preamp/processor connected to the input configured for theater mode on the S-300i. The options are: ON, OFF.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or the up and down keys (7) on the remote control to select THEATER.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: None.

HOW TO ACTIVATE AN INPUT FOR THEATER THROUGHPUT

3. Use the level control knob or the Volume up and down keys to select the desired input: S-1, S-2, S-3 or B-1.
4. Press the enter button or key to confirm the selection.

S-1, S-2, S-3 or B-1

The selected input is set to THEATER and the volume control is disengaged for that input on the S-300i.

OFF

ALL inputs are configured normally and the volume control is engaged for all inputs on the S-300i.

Note

IMPORTANT

Only one input on the S-300i can be in theater mode at a time. If the input trigger is configured for THEATER, the S-300i selects the theater input automatically upon power on. See Input Trigger, on pages 35-36.

Display

This function enables you to turn the front panel display (9) on or off all the time, or turn it off after a time out. It also allows the adjustment of display brightness. The options are: ON, TIMED, or OFF.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or the volume up and down keys on the remote control (7) to select: DISPLAY.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: MODE.
3. Press the level control knob or key (8) again. The front panel display shows the default mode: ON.
4. Use the level control knob or the volume up and down keys to select the desired option: ON, Timed or OFF.
5. Press the level control knob or key to confirm the selection. The front panel display reads: MODE.
6. Use the level control knob or the volume up and down keys to select: BRIGHTNESS.

7. Press the level control knob or key. The front panel display shows the default mode: HIGH.
8. Use the level control knob or the volume up and down keys to select the desired brightness: LOW, MED, or HIGH.
9. Press the level control knob or key to confirm the selection. The front panel display reads: BRIGHTNESS.

ON

The front panel display is always on.

TIMED

The front panel display turns off after 30 seconds.

BRIGHTNESS

Controls the brightness of the display. When the mode setting is OFF, the display is at the brightness selected when in menu mode, and turns completely off when you leave the menu mode.

Mute

This function enables you to control the mute mode. Options are: FULL, -20 dB.

Enter the menu, then:

1. Use the level control knob, or the volume up and down keys (7) to select: MUTE.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: FULL.
3. Use the level control knob, or the up and down volume keys to select the desired option: FULL or -20 dB.
4. Press the level control knob or key to confirm the selection. The front panel display reads: MUTE.

FULL

The speaker and preamp outputs are completely silenced.

-20dB

The speaker and preamp outputs are reduced by 20 dB and may still be audible.

Input Trigger

This function enables you to configure the input trigger. The options are: Off, Normal, Theater.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or the up and down keys on the remote control to select: INPUT TRIGGER.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the last input trigger setting. the default mode is: NORMAL.
3. Use the level control knob or the up and down keys to select the desired option: OFF, NORMAL, or THEATER.
4. Press the enter button or key to confirm the selection. The front panel display reads: INPUT TRIGGER.

OFF

The S-300i does not respond to 12 V input trigger commands.

NORMAL

The S-300i responds to 12 V input trigger commands.

THEATER

The S-300i responds to 12 V input trigger commands, and the input for which theater mode is enabled is selected automatically. See Theater Mode, on page 19.

Output Trigger

This function enables you to turn the 12 Volt output trigger (24) on or off, or configure it with a delay of up to 30 seconds. The options are: OFF, ON, DELAY.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or volume up and down keys (7) on the remote control to select: OUTPUT TRIGGER.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: TRIGGER.
3. Use the level control knob or volume up and down keys to select: OFF, ON, or DELAY.

Input Name Options

AUX, AUX1, AUX2, AUX3
BLURAY, BYP, CABLE, CD, CD1, CD2, CD-R, COMP
DAC, DAT, DCC, DISC, DISC 1, DISC 2, DISC 3, DSS, DVD, DVD1, DVD2, DVD3, DVD-A, DVR, EQ, GAME, HI-8, HD, HD-DVD, IPOD, LD, LD1, LD2, LINE 1, LINE 2, LINE 3, LINE, MDISC, MIXER, MON, MP3
PHONO, PHONO1, PHONO2, PROC
SACD, SAT, SAT1, SAT2, SRC1, SRC2, SRC3, SURR,
S-VID
TAPE1, TAPE2, TAPE3, TAPE, TEST, TUNER, TUNER1, TUNER2, TV,
VCR, VCR1, VCR2, VCR3, VDISC, VIDEO, VIDEO1, VIDEO2, VIDEO3, 8MM, 8TRK

4. Select DELAY. You are prompted to enter a delay time of 0-30 seconds.
5. Enter the delay time.
6. Press enter to confirm the selection. The display reads: DELAY.
7. Use the level control knob or volume up and down keys to scroll to: BACK.

ON

The 12 Volt trigger output is enabled at power on for the selected trigger (Trigger 1 or 2).

OFF

The 12 Volt trigger output is disabled at power on for the selected trigger (Trigger 1 or 2).

DELAY

The 12 volt trigger output is enabled at power on after a delay of 0-30 seconds.

AC Mains

This function enables you to operate the S-300i from a switched AC outlet. If AC Mains is set to On, the preamplifier turns on after a brief delay, by-passing stand-by. Thereafter, you may switch the preamplifier to and from stand-by, using the power button or power key (1). The options are: OFF, ON

Enter the menu, then:

1. Turn the level control knob on the preamplifier front panel or up and down keys (10) on the remote control to select: AC MAINS.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: OFF
3. Use the level control knob or the up and down keys to select the desired option: OFF or ON.
4. Press the enter button or key to confirm the selection. The front panel display reads: AC MAINS.

OFF

The S-300i remains in stand-by mode when AC power is applied.

ON

The S-300i turns on automatically, remaining in stand-by mode only for a brief warm-up period, when ac power is applied.

Input Name

This function enables you to select a device name for each input. The input name options are listed in the left margin, on this page.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or up and down keys (14) on the remote control to select: INPUT NAME.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the default mode: S-1.
3. Use the level control knob or the up and down keys to select the desired input: S-1, S-2, S-3 or B-1.
4. Press the enter button or key. The front panel display shows no characters.
5. Use the level control knob or the up and down keys to select the desired input name, from the input name options listed at left.
6. Press the enter button or key to confirm the selection and return to the input list, in Step 3. The front panel display shows the input name.

To select input names for other inputs, repeat Steps 3 and 4.

Info

This function enables you to access information about the preamplifier software.

Enter the menu, then:

1. Use the level control knob on the preamplifier front panel or volume up and down keys (7) on the remote control to select: INFO.
2. Press the level control knob on the preamplifier front panel or the enter key (8) on the remote control. The front panel display (9) shows the software version number.

Configuration

This function enables you to access factory default settings or your own saved settings. The options are: RECALL, SAVE, or FACTORY DEFAULT.

Enter the menu, then:

1. Use the level control knob on the preamplifier channel front panel or up and down keys (7) on the remote control to select: CONFIGURATION.
2. The front panel display (9) shows the default mode: FACTORY DEFAULT.
3. Use the level control knob or the volume up and down keys to select the desired option: FACTORY, RECALL or SAVE.
4. Press the enter button or key to confirm the selection. The front panel display reads: CONFIGURATION

FACTORY

Recalls the factory settings.

RECALL

Recalls settings previously stored in memory using the SAVE function.

SAVE

Saves the current settings in memory overwriting any previously saved settings.

How to Troubleshoot System Noise

AC grounding becomes critical when connecting high performance audio components. When you mix and match audio components, each with its own ground potential, a low frequency hum may occur in one or both loudspeakers. This sometimes occurs when introducing a new component into a system.

If a low frequency hum emanates from the loudspeakers when you place the S-300i amplifier into the system, follow these simple troubleshooting steps:

1. Check all cable terminations, making sure they have solid solder joints and are of sound construction.
2. With the amplifier off, remove the interconnect cables, then turn the amplifier on. If the hum disappears, turn the amplifier off and reinsert one of the interconnect cables. Turn the amplifier back on. If the hum reappears with one or both cables reinserted, there may be a defective cable. Have the interconnect cables checked before proceeding.
3. If the interconnect cables are sound, you may be experiencing a ground loop. Please contact your authorized Krell dealer, distributor, or Krell for suggestions on how to solve this problem.

Questions and Answers

- Q. Should I leave my S-300i on at all times?
- A. Krell recommends leaving the amplifier in the stand-by mode, ready to play music. If you are not going to play music for a long time, you may turn off the rear panel power button.
- Q. When I turn on the amplifier there is a loud hum through the loudspeakers. What should I do?
- A. When a new component is introduced into a system, a low frequency hum may occur in one or both loudspeakers. Check all input and output connections, making sure they are of sound construction. See How to Troubleshoot System Noise, on page 19. If the interconnects and cables are sound, you may be experiencing a ground loop. This can often be easily eliminated. Please contact your authorized Krell dealer, distributor, or Krell for suggestions on how to solve this problem.
- Q. When I use the S-300i's Theater Throughput capability with my surround sound processor, where should I set the volume on the S-300i?
- A. You do not need to set the volume on the S-300i because the amplifier's volume and balance controls are not active in the Theater Throughput mode. When using the S-300i's Theater Throughput capability, the surround sound processor controls the system volume. See Optional Configurations, on page 17.

Warranty

To register your product for warranty benefits, please complete and return the Warranty Registration Card enclosed in the shipping box within 15 days of purchase. Thank you.

This Krell product has a limited warranty of five years for parts and labor on circuitry from date of purchase or six years from date of original shipment from the Krell factory. Should this product fail to perform at any time during the warranty, Krell will repair it at no cost to the owner, except as set forth in this warranty.

The warranty does not apply to damage caused by acts of God or nature.

The warranty on this page shall be in lieu of any other warranty, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. There are no warranties which exceed beyond those described in this document. If this product does not perform as warranted herein, the owner's sole remedy shall be repair. In no event will Krell be liable for incidental or consequential damages arising from purchase, use, or inability to use this product, even if Krell has been advised of the possibility of such damages.

Proof of purchase in the form of a bill of sale or receipted invoice substantiating that the unit is within the warranty period must be presented to obtain warranty service. The warranty begins on the date of retail purchase, as noted on the bill of sale or receipted invoice from an authorized Krell dealer or distributor.

The warranty for Krell products is valid only in the country to which they were originally shipped, through the authorized Krell distributor for that country, and at the factory. There may be restrictions on or changes to Krell's warranty because of regulations within a specific country. Please check with your distributor for a complete understanding of the warranty in your country.

If a unit is serviced by a distributor who did not import the unit, there may be a charge for service, even if the product is within the warranty period.

Freight to the factory is your responsibility. Return freight within the United States (U.S.A.) is included in the warranty. If you have purchased your Krell product outside the U.S.A. and wish to have it serviced at the factory, all freight and associated charges to the factory are your responsibility.

Krell will pay return freight to the U.S.A.-based freight forwarder of your choice. Freight and other charges to ship the unit from the freight forwarder to you are also your responsibility.

Krell is not responsible for any damage incurred in transit. Krell will file claims for damages as necessary for units damaged in transit to the factory. You are responsible for filing claims for shipping damages during the return shipment.

Krell does not supply replacement parts and/or products to the owner of the unit. Replacement parts and/or products will be furnished only to the distributor performing service on this unit on an exchange basis only; any parts and/or products returned to Krell for exchange become the property of Krell.

No expressed or implied warranty is made for any Krell product damaged by accident, abuse, misuse, natural or personal disaster, or unauthorized modification.

Any unauthorized voltage conversion, disassembly, component replacement, perforation of chassis, updates, or modifications performed to the unit will void the warranty.

The operating voltage of this unit is determined by the factory and can only be changed by an authorized Krell distributor or at the factory. The voltage for this product in the U.S.A. cannot be changed until six months from the original purchase date.

In the event that Krell receives a product for warranty service that has been modified in any way without Krell authorization, all warranties on that product will be void. The product will be returned to original factory layout specifications at the owner's expense before it is repaired. All repairs required after the product has been returned to original factory specifications will be charged to the customer, at current parts and labor rates.

All operational features, functions, and specifications and policies are subject to change

Return Authorization Procedure

HOW TO EXPEDITE SERVICE

If you believe there is a problem with your component, please contact your dealer, distributor, or the Krell factory to discuss the problem *before* you return the component for repair. To expedite service, you may wish to complete and e-mail the Service Request Form in the Service section of our website at:

<http://www.krellonline.com>

To contact the Krell Service Department:

TEL	203-799-9954 Monday-Friday, 9:00 am to 5:00 pm EST
FAX	203-799-9796
E-MAIL	service@krellonline.com
WEBSITE	http://www.krellonline.com

HOW TO RETURN A PRODUCT

To return a product to Krell, please follow this procedure so that we may serve you better:

1. Obtain a Return Authorization Number (R/A number) and shipping address from the Krell Service Department.
2. Insure and accept all liability for loss or damage to the product during shipment to the Krell factory and ensure all freight (shipping) charges are prepaid.

The product may also be hand delivered if arrangements with the Service Department have been made in advance. Proof of purchase will be required for warranty validation at the time of hand delivery.

IMPORTANT

Use the original packaging to ensure the safe transit of the product to the factory, dealer, or distributor. Krell may, at its discretion, return a product in new packaging and bill the owner for such packaging if the product received by Krell was boxed in nonstandard packaging or if the original packaging was so damaged that it was unusable. If Krell determines that new packaging is required, the owner will be notified before the product is returned.

HOW TO PURCHASE ADDITIONAL PACKING

To purchase additional packaging, please contact your authorized Krell dealer, distributor, or the Krell Service Department for assistance.

Krell Industries, Inc.
45 Connair Road
Orange, CT 06477-3650 USA

TEL 203-799-9954, FAX 203-891-2028
E-MAIL krell@krellonline.com
WEB SITE www.krellonline.com

S-300i

Remote Control Integrated Amplifier

v 1.0

Specifications

All operational features, functions, specifications, and policies are subject to change without notification.

FREQUENCY RESPONSE

20 Hz–20 kHz

+0 dB, -0.14 dB

SIGNAL-TO-NOISE RATIO

“A” weighted

90 dB

TOTAL HARMONIC DISTORTION (THD)

1 kHz <0.04%

20 kHz <0.25%

GAIN

32.5 dB

INPUT SENSITIVITY

0.82 Vrms

INPUT IMPEDANCE

47 kOhms single-ended

94 kOhms balanced

OUTPUT IMPEDANCE

0.15 Ohms

POWER CONSUMPTION

Idle 20 W

Max. 1,800 W

TRANSFORMER

750 VA

INPUTS

All with Theater Throughput

1 pair balanced via XLR connectors

3 pair single-ended

via RCA connectors

1 iPod via 30-pin connector

OUTPUTS

2 loudspeaker via 5-standard binding posts

1 pair single-ended preamp via RCA connectors

OUTPUT VOLTAGE

Peak to peak 138 V

OUTPUT POWER

8 Ohms 150 W

4 Ohms 300 W

REMOTE CONTROL

1 handheld wireless remote

1 12 VDC trigger Output

1 12 VDC trigger Input

1 RC-5 input via 1/8" stereo connector

DIMENSIONS

17.25w X 4.00h X 17.50d in.

43.82w X 10.16h X 44.45d cm

WEIGHT

Shipped

51.0 lb., 23.1 kg

Unit only

43.0 lb., 19.5 kg