

### QUICK SETUP GUIDE

## Getting Started

Thank you for your purchase of the Resolution Subwoofer, a powered subwoofer in the Resolution Series of loudspeakers.

The Resolution Subwoofer delivers large amounts of sustained low frequency information without reservation. Excellent cabinet construction, robust driver selection and 650 watts of genuine Krell amplification combine to offer the huge output, speed and resolution necessary for the ultimate home theater or music system experience. The Resolution Subwoofer features a one-inch MDF enclosure with 2-inch thick front and rear baffles. The sealed box design promotes clean, accurate bass. A separate control cavity completely isolates electronics package from the driver.

The single 15-inch driver has a very stiff, reinforced polypropylene cone. Peak to Peak linear travel is 1-3/8-inch, and the voice coil is extra long. Motor geometry features a focused magnetic field that promotes control and lowers distortion.

The 650 watt Krell Current Mode power amplifier is a Class AB design featuring a 1000 watt transformer and 55,000 microfarads of filter capacitance. Class AB amplification provides power quickly and sustains power indefinitely, thereby providing complete control of the driver under the most demanding conditions.

This document outlines the basic steps for unpacking, placing, connecting, and operating the Resolution Subwoofer. The owner's reference for this product, including a detailed description of features and the product warranty, is available on the web at:

[www.krellonline.com](http://www.krellonline.com)

Please contact your authorized dealer, distributor, or Krell if you have any questions not addressed in the owner's reference.

### WARNINGS

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

## Unpacking

### Note

*Save all packing materials. If you need to ship a Resolution Series loudspeaker in the future, repack the unit in its original packaging to prevent shipping damage.*

Follow these steps to safely unpack your subwoofer:

1. Set the shipping box right side up using the arrows on the box as a guide.  
*2 people needed*
2. Use a box-cutting knife and slit the tape all along the top seams of the outer carton.
3. Open the flaps to reveal the inner carton.
4. Slit the tape along the top seams of the inner carton.
5. Open the flaps and remove the power cord and two cardboard boxes, marked "accessories" and "grille", and set aside.
6. Carefully invert the box, so that the top foam piece is on the floor. Make certain that the subwoofer stays inside the carton as you bring it to the vertical position.  
*2 people needed*
7. Kneel down and grasp the top foam piece.
8. Carefully lift the inner and outer cartons straight up, and off the box. The subwoofer is still inverted.
9. Remove the bottom foam piece.
10. Set the inner and outer cartons and the bottom foam piece aside.
11. Gently slide the protective sleeve around the subwoofer down, toward the top of the subwoofer and toward the top foam piece on the floor.

## Unpacking, *continued*

### To Install Feet On Your Loudspeaker

*Each Resolution Subwoofer is provided with 2 sets of feet: 4 spikes and 4 rubber feet. The sharp, pointed spikes are ideal for carpeted floors. The rubber feet protect tile and wood floors.*

### Placement

*Position the loudspeaker in the listening area before attaching the grille.*

### To Attach/Detach the Subwoofer Grille

*(not illustrated)*

#### Notes

*Be careful not to scratch the loudspeaker cabinet with the grille locator pins.*

*Clean the grille periodically to remove accumulated dust.*

*Gently wipe the grille from top to bottom using a soft, dry, lint-free cloth. Do not use rubber conditioner or solvent.*

12. Locate the spikes, rubber feet and locking washers, in the small cardboard box marked "accessories".
13. Choose the set of feet you want to use on your subwoofer.
14. Thread the washers onto the feet.
15. Screw each foot/washer assembly into the 4 screw holes located on the bottom of the subwoofer.
16. Carefully invert the subwoofer so that it is resting on the feet, right side up.
17. Spin the washers counterclockwise up the shaft of each foot to fix the height of the foot.
18. Remove the top foam piece and protective sleeve. You are ready to position the subwoofer in the listening area. *2 people needed*

Each Resolution Subwoofer requires at least 2 inches (5 cm) of clearance on each side and in front, and at least 2 inches (5 cm) of clearance above and to the rear of the subwoofer for adequate ventilation. The subwoofer delivers excellent performance in nearly any location in the listening room. Two placement options follow:

**Option 1: Stereo.** Place the Resolution Subwoofer midway between the left and right loudspeakers.

**Option 2: Home Theater.** Place the subwoofer in a corner of the room, preferably one foot from any wall.

**AC Power Guidelines.** The subwoofer has superb regulation and does not require a dedicated AC circuit. Operate the subwoofer only with the power cord supplied.

Attach the grille to the loudspeaker before you play music. The Resolution Subwoofer has a snap-on grille, which is comprised of grille cord strung between 2 metal grille blocks. The grille is shipped in the cardboard box marked "grille".

#### Follow These Steps to Attach the Subwoofer Grille:

1. Grasp the grille blocks on each end of the grille and lift the grille out of the grille box.  
Place the grille block with the Krell logo on the bottom front of the subwoofer; and place the other grille block on the top front.
2. Gently guide the grille locator pins into the 3 grille holes on the bottom front of the subwoofer.
3. Grasp the remaining grille block, allowing it to rest between the thumb and forefinger of each hand.

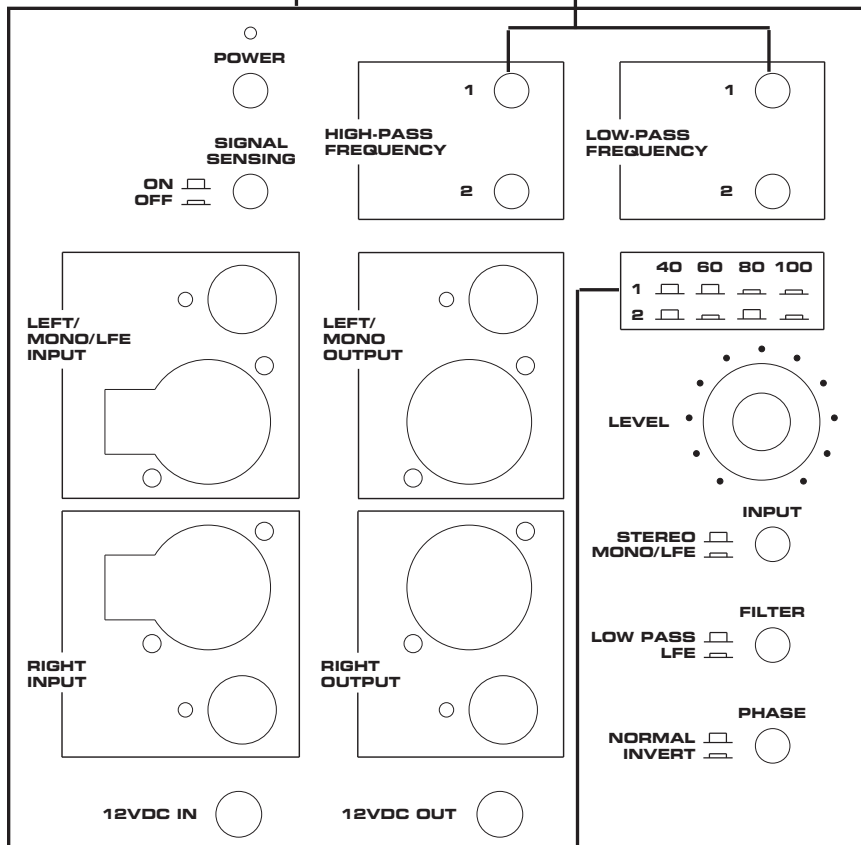
4. Pull firmly to stretch the grille cords, until the grille locator pins align with the 3 grille holes on the top front of the subwoofer.

5. Gently guide the pins into the grille holes. You hear a click when the grille is in place.

#### Detach the Grille Before You Repack the Subwoofer:

1. Grasp the grille block attached to the top front of the subwoofer.
2. Gently pull the grille block straight out until the grille locator pins slide out of the grille holes.
3. Remove the grille block with the Krell logo from the bottom front of the subwoofer.
4. To protect the grille, place it in the grille box until you are ready to reinstall it.

Figure 1 Resolution Subwoofer Back



Frequency Adjust Guide

## Back Panel Functions

### Power Button

Switches the subwoofer from stand-by to the operational mode.

### Signal Sensing Button

When the button is in the up position, signal sensing is on. The subwoofer will automatically revert to the operational mode when it detects an audio signal at any of the audio inputs. It returns to stand-by after 4 minutes of inactivity. When the button is in the down position, signal sensing is deactivated.

### High-pass or Low-pass

#### Frequency Adjust Buttons

Press buttons 1 and 2 to select 1 of 4 frequencies for high-pass and low-pass filters. Place each button in the up or down position using the frequency adjust guide.

#### Frequency Adjust Guide

The numeric legend shows the position of the 2 frequency adjust buttons needed for each given frequency.

### Level

Volume control.

### Stereo or Mono/LFE Input Switch

Activates and deactivates inputs.

### Low Pass or LFE Filter Switch

Activates and deactivates filters.

### Normal or Inverted Phase

Begin playing a music selection. Select the normal or inverted phase button. Listen to select the "best" sound: the most smooth and even bass response.

### Left Mono/LFE Input and Mono Output

1 pair of balanced and 1 pair of single-ended inputs and outputs.

### Right Inputs and Outputs

1 pair of balanced and 1 pair of single-ended inputs and outputs.

### 12 VDC In/Out

An input that receives and an output that sends 12 VDC power on/off signals from and to other Krell components and other devices that incorporate a 12 V trigger.

### IEC Connector

A standard female IEC power connector. The Resolution Subwoofer is in the stand-by mode when it is plugged into AC power.

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## Connecting the Resolution Subwoofer to Your System

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### IMPORTANT

*Do not disconnect signal cables when the amplifier is on and connected to the loudspeaker. Doing so will cause a loud pop that may damage your components.*

*Tighten loudspeaker binding posts by hand only.*

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### Notes

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

*When single-ended inputs are used, shorting jumpers must be inserted into pins 1 and 3 on the XLR connectors. The jumper is not necessary for the right XLR when in mono/LFE mode.*

*Jumpers are provided in the accessory box.*

Krell recommends using balanced interconnect cables which minimize sonic loss and are immune to induced noise, especially with installations using long cables. Balanced connections have 6 dB more gain than single-ended connections.

Before connecting the subwoofer to your system, make sure that all power sources and components are off. Neatly organize wiring between the subwoofer and all system components. Separate AC wires from audio cable to prevent hum or other unwanted noise from being introduced into the system.

There are 2 connection modes for the subwoofer, 1) Mono/LFE (LFE is active) and 2) Stereo (LFE is not active). In addition, there are 2 connection options under the Stereo mode: A) Stereo with 1 subwoofer and B) Stereo with 2 subwoofers.

Choose the LFE mode to use the Resolution Subwoofer in your home theater system, driven by the LFE/sub processor output. Choose the stereo mode if you want the subwoofer(s) to interface with the main left and right loudspeakers full time, driven by the left and right channel outputs of your preamplifier or processor.

Connect the subwoofer to AC power, and turn signal sensing off. Follow these steps:

#### 1. To connect the subwoofer in the LFE mode (LFE is active)

Put the input switch in the down position. Mono/LFE is selected. The mono/LFE input is active, and the right stereo input and output are disabled.

Put the filter switch in the down position. LFE is selected. The left mono output is now disabled. Low pass and high pass filters are deactivated. Do not select filter frequencies.

Connect the LFE output from the processor to the left mono/LFE input. Use either a single-ended or balanced connection.

Set the level control to the three o'clock position.

Use the surround processor to balance the subwoofer level with the system loudspeakers.

#### 2A. To connect 1 subwoofer in the stereo mode (LFE is not active)

Put the input switch in the up position. Stereo is selected. All inputs are enabled. Put the filter switch in the up position. Low pass is selected. The filters are active.

Connect the left and right preamplifier outputs to the left mono/LFE and right inputs. Connect the left/mono and right outputs to the left and right amplifier inputs. Use either single-ended or balanced connections.

Set the crossover points for high-pass frequency and low-pass frequency using the frequency adjust buttons.

Adjust the level control to balance the subwoofer with the system loudspeakers.

#### 2B. To connect 2 subwoofers in the stereo mode (LFE not active)

Put the input switch in the down position. Mono/LFE is selected. The right stereo input and output are disabled.

Put the filter switch in the up position. Low pass is selected. The filters are active.

Connect the left or right preamplifier output to the left mono/LFE input.

Connect the left mono output to the left or right amplifier input. Use either single-ended or balanced connections.

Set the crossover points for high-pass frequency and low-pass frequency using the frequency adjust buttons.

Adjust the level control to balance the subwoofer with system loudspeakers.

Repeat for the second subwoofer.

Your Resolution subwoofer product serial number is: \_\_\_\_\_