

Beale Street Audio

BPS-65 and BPS-80 Active In-Room Subwoofers

Installation Guide



POWERED BY:
SonicVortex®
TECHNOLOGY

Get Reale. Get Beale.™

Introduction

Congratulations and thank you for purchasing the Beale Street Audio BPS-65 or BPS-80 Active In-Room Subwoofer!

The BPS Active In-Room Subwoofers may be small in physical appearance, but it has all the muscle you need to get the house thumping levels.

The BPS Active In-Room Subwoofers feature a LFE (Low Frequency Effects) input, stereo/mono line level audio input that can receive full band audio from any audio amplifier, and also stereo speaker level input. Amplified stereo audio will pass through unprocessed to a pair of connected stereo speakers using the speaker high level outs. The signal from the speaker level input will also be processed by the crossover and volume controls to enhance and optimize low frequency content.

The adjustable crossover allows fine-tuning to properly complement any full-range, or limited range, speakers.

Please read and follow the instructions in this User Guide to assure you are getting the most from your new Beale Street Audio active in-room subwoofer!

Features

6.5" Active In-Room Subwoofer

BPS-65

- Engineered black matte wood cabinet
- Black cloth magnetic grill
- 200W built-in amplifier
- Kevlar woofer with butyl rubber surround
- Stereo or mono audio line level input (RCA)
- Stereo speaker level input and pass through
- Adjustable subwoofer crossover frequency
- Adjustable phase (0° or 180°)
- 110/220V

8" Active In-Room Subwoofer

BPS-80

- Engineered black matte wood cabinet
- Black cloth magnetic grill
- 200W built-in amplifier
- Kevlar woofer with butyl rubber surround
- Stereo or mono audio line level input (RCA)
- Stereo speaker level input and pass through
- Adjustable subwoofer crossover frequency
- Adjustable phase (0° or 180°)
- 110/220V

What's Inside?

BPS-65

- BPS-65 Subwoofer
- Black cloth grill
- AC Power Cord
- Product Manual

BPS-80

- BPS-80 Subwoofer
- Black cloth grill
- AC Power Cord
- Product Manual

Rear Panels

BPS-65



BPS-80



1. RCA INPUT - Two, RCA jacks. Stereo or mono line level audio input
2. LFE (Low Frequency Effects) INPUT- Single RCA jack
3. HIGH LEVEL IN- Connect to the speaker level OUT on an audio amplifier passthrough full-band audio to the Speaker Level OUT
4. HIGH LEVEL OUT- Connect to speakers appropriately rated for the amplifier connected to Speaker Level IN. Passthrough full range speaker-level audio from an amplifier connected to the Speaker Level IN
5. VOLUME- Adjusts the audio output level to the connected subwoofer. Set to an appropriate level for a smooth, natural sounding transition to extend and enhance the low frequency output of the full- range speakers connected to Speaker Level OUT
6. CROSSOVER- The Crossover sets the frequency at which audio content will pass. RANGE: 40Hz to 160Hz
7. PHASE - The Phase setting allows compensation for subwoofer location relative to the main speakers. Adjust the Phase setting to the point of highest sub audio output. RANGE: 0° or 180°.
8. POWER SWITCH- turn the amp/sub in on and off
9. LED POWER LIGHT
10. AC MAINS - One, two-prong socket. Use the supplied 2-pin power cable to connect the unit to an external AC power supply. AC 100V-240V, 50Hz-60Hz

Installation

Your Beale Street Audio subwoofer has been designed to operate at frequencies generally below 150 Hz. Because low-frequency information in this range essentially is non-directional, your subwoofer can be placed virtually anywhere in the room.

There are, however, some general rules that you should follow when locating your subwoofer: For maximum output the subwoofer should be against a wall or in a corner. Placing the sub in a corner will increase its output but may result in lower bass quality. If placing in a corner it is recommended that you test the location prior to final installation.

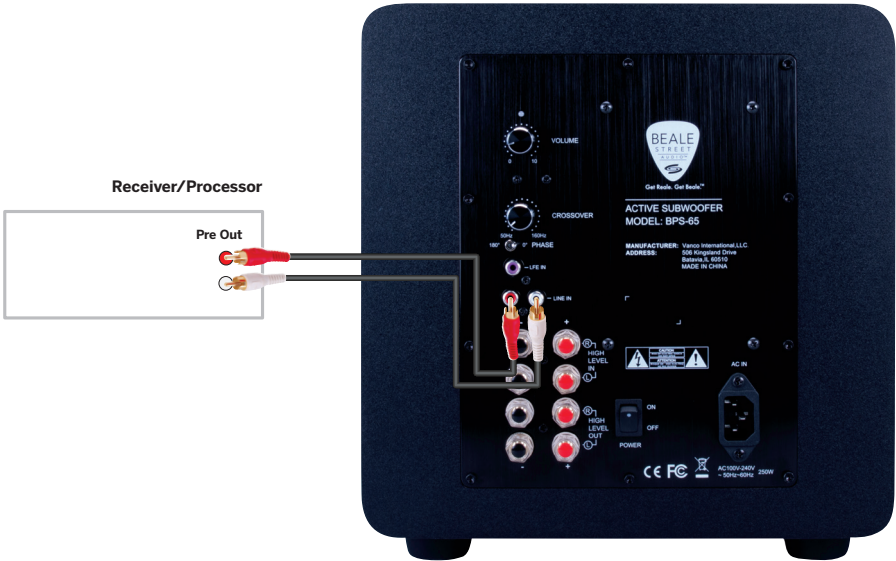
While a single Beale Street Audio subwoofer will always sound great, the use of two subwoofers will enhance your system's performance by providing a smoother and more consistent low frequency response. In this application it is recommended that you place one subwoofer on the front wall and the second subwoofer on the side wall about 1/3 to 1/2 of the of the room's length.

Connections

All connections are conveniently placed on the rear panel for sane wire management, convenient connections and simple service.

NOTE: Do not connect the AC power cord or turn the amp on until all connections have been made and confirmed. Making connections with the power on can result in...well... undesirable circumstances...that may not be covered under the factory warranty.

RCA Input and LFE Input



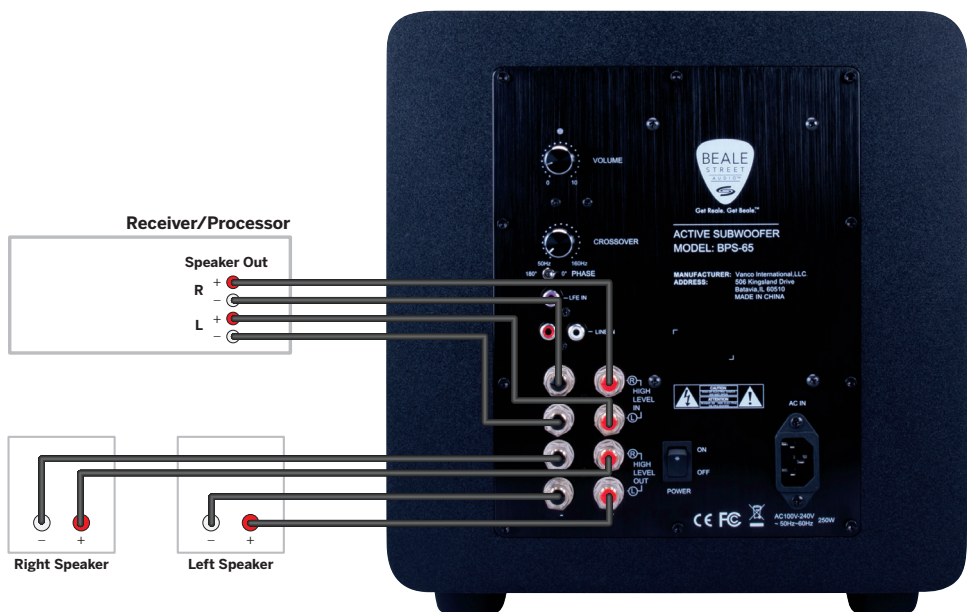


- Using a stereo or mono RCA-RCA cable with gold ends, connect the LFE OUT, Sub OUT, or other line level audio OUT on an amplifier, surround receiver or other audio preamp to either the LFE or LINE in on the BPS subwoofer.

AC Mains

- After all connections have been made connect the supplied AC Power Cord to an unswitched AC power outlet.

Speaker Level Input Configuration



- In this configuration, speaker level audio input will passthrough at full bandwidth to the Speaker Level OUT.
- NOTE: Do not connect the AC power cord or turn the amp on until all connections have been made and confirmed. Making connections with the power on can result in...well...undesirable circumstances...that may not be covered under the factory warranty.

Speaker Level In

1. Use 16AWG 2-conductor stranded speaker wire for speaker connections
2. Strip approximately 1/2 to 3/4 of an inch off the ends and twist the strands together so there are no loose strands that can cause shorts
3. While observing proper wire polarity, connect the Speaker Level OUT of the Audio Amp/ Receiver to the appropriate Speaker Level IN + and - terminals. Be sure there are no loose strands that can cause shorts
4. Confirm connection and polarity

Speaker Level Out

1. Use 16AWG (min) 2-conductor stranded speaker wire for speaker connections
2. Strip approximately 1/2 to 3/4 of an inch off the ends and twist the strands together so there are no loose strands that can cause shorts
3. While observing proper wire polarity, connect the Speaker Level OUT to the appropriate left and right speaker + and - terminals. Be sure there are no loose strands that can cause shorts.
4. Confirm connection and polarity

Specifications

Description	BPS-65	BPS-80
Maximum Output Power	220W	
THD	<1%	
Frequency Response	38Hz-300kHz	28Hz-300kHz
Signal to Noise	71dB	
Crossover	40Hz-160Hz	
Phase	0°,180°	
Line Voltage	110-120V/220-240V	
Max Power Consumption	250W	
Dimensions	11.65" L x 11.65" W x 12.4" H	13.5" L x 13.5" W x 14.25"H
Weight	12.04 lbs	15.56 lbs

Limited Warranty

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period, the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com. When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call. Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation. All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theatre applications. For additional information please visit www.vanco1.com.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher. Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

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