

Beale Street Audio

IC6V-BSC, IC8V-BSC 70 Volt In-Ceiling Speakers

Installation Guide



Get Reale. Get Beale.™

Introduction

Congratulations and thank you for purchasing Beale Basics Series speakers from Beale Street Audio!

Beale Basics In-Ceiling speakers install with ease using the 'dog' mounting system and magnetic grilles for fast, clean installations.

Please follow the instructions in this manual to assure proper installation and to achieve the full performance and satisfaction you would expect from Beale Street Audio.

Speaker Wire

For the IC6V-BSC and IC8V-BSC, pull one run of speaker wire from the amplifier location to each speaker location OR pull one run of speaker wire to the FIRST speaker. Able to daisy chain out to the other speakers running in parallel.

If in pre-wire, while the walls are open and it's easy, pull extra wire to any location that may be desirable to add speakers later. Leave extra length of wire on each end to allow making connections and installing/removing speakers. We recommend a minimum of 18 AWG cable for 70/100 volt systems.

New Construction

Beale Street Audio speaker installation can be simplified by using Beale Street Audio new pre-construction brackets (sold separately; visit www.vanco1.com for additional information).

TB65 and PRECB65: Use for IC6V-BSC

TB80 and PRECB80: Use for IC8V-BSC

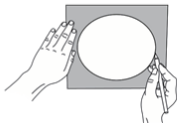
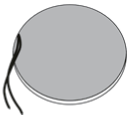
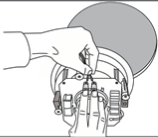
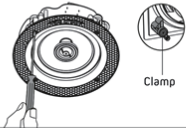
These are installed prior to drywall installation and allows for precise speaker placement and simplifies the final installation of the speaker.

Existing Construction

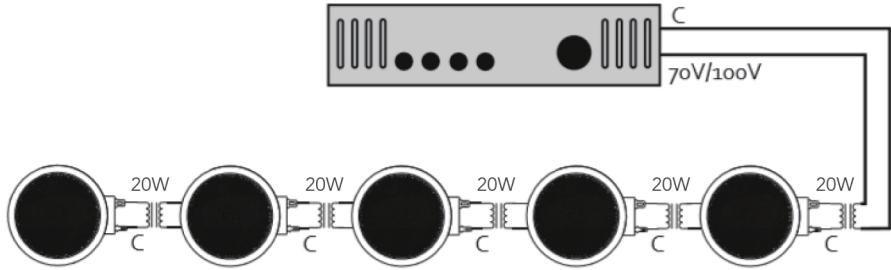
Speaker wire can be run from either the head-end to each location or daisy chained.

- Choose a location for each speaker that is free of obstructions created by joists, HVAC ductwork, electrical wire runs, plumbing or anything else that might not allow for the depth of the speaker or create interference or noise

Installation

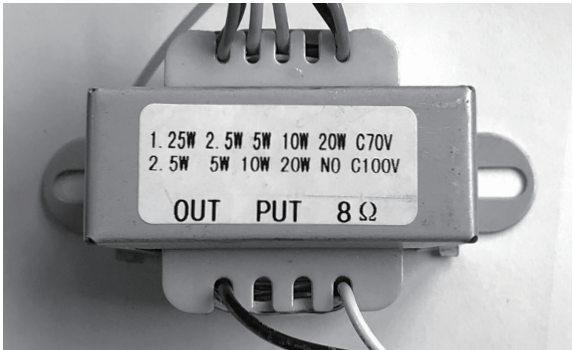
1. 	1. Using the provided template, trace the inner circle onto the wall or ceiling where the speaker will be installed.
2. 	2. Cut the hole of the circle that was traced and pull the speaker wire(s) through.
3. 	3. Connect the speaker wire(s) to the correct terminals making sure that the polarity of the connections is correct
4. 	4. Place the speaker carefully into the hole cutout in the wall or ceiling, hold the speaker in place and tighten the "dog ear" clamps so that the speaker is firmly fixed in place.
5. 	5. OPTIONAL: The grill is able to be painted to match the surround decor. Make sure the any inner liner is removed BEFORE painting begins.

70V/100V Configuration



The total number of speakers multiplied by the tap value cannot exceed the output power (in watts) of the 70V/100V amplifier. The example above shows 5 total speakers. Using the 20W taps, you will need an amplifier with at least 100W (5 speakers x 20W tap). A good rule of thumb is to select an amplifier with 20% greater power; in this case, an amplifier that delivers about 120W.

Taps



OUT

1. Black: Common or Negative wire which connects to the common or negative terminal of an additional cascaded speaker.
2. White: 20W/8 Ohm or Positive wire which connects to the voltage or positive terminal of an additional cascaded speaker.

IN

- 1. Colored wires connect from the voltage or positive terminal of an amplifier or speaker. See chart below for an explanation of different voltage and wattage taps.
- 2. Common/Ground or Negative wire connects from the voltage or positive terminal of an amplifier to speaker

	Red	Orange	Yellow	Green	Blue
70V	20W	10W	5W	2.5W	1.25W
100V	NO	20W	10W	5W	2.5W

8 Ohm tap: use 8 Ohm amplifier connect to speaker terminal directly

SPEAKER TROUBLESHOOTING	
PROBLEM	SOLUTION
NO SOUND	Verify that there is audio from the source selected. Select another source if necessary.
	Ensure that the amplifier is turned on and connected properly.
	Check any connections at other devices, such as a volume control. Temporarily bypass the control if needed.
	Check wire connections at each speaker not producing sound for good contact to bare wire, not wire insulation.

Specifications

IC6V-BSC 6.5" In-Ceiling 2 Way

- Woofer: 6.5" Woven Glass Fiber Cone
- Tweeter: 0.75" Titanium Dome
- RMS Power: 60W
- Nominal Impedance: 8Ω
- Transformer 70V: 1.25W, 2.5W, 5W, 10W, 20W
- Transformer 100V: 2.5W, 5W, 10W, 20W
- Sensitivity: 90dB
- Installed Frequency Response: 65Hz- 20kHz
- Product Dimension: 238x87mm (9.2" x 3.4")
- Cutout Size: 210mm (8.3")

IC8V-BSC 8" In-Ceiling 2 Way

- Woofer: 8" Woven Glass Fiber Cone
- Tweeter: 0.75" Titanium Dome
- RMS Power: 80W
- Nominal Impedance: 8Ω
- Transformer 70V: 1.25W, 2.5W, 5W, 10W, 20W
- Transformer 100V: 2.5W, 5W, 10W, 20W
- Sensitivity: 90dB
- Installed Frequency Response: 50Hz- 20kHz
- Product Dimension: 284x110mm (11.2" x 4.3")
- Cutout Size: 258mm (10.2")

Limited Lifetime Warranty

For Beale Street Audio Branded In-Wall and In-Ceiling Speakers and Subwoofers Purchased after May 1, 2017

Limited Warranty

Vanco warrants to you, the original consumer purchaser of speakers, that under proper use and conditions, and subject to the other conditions provided below, your speakers will be free from defective materials and workmanship for the life of the speakers. This warranty only applies to passive speakers. Active products, such as amplifiers, electronics, and powered subwoofers are not covered under the Lifetime Warranty. Please review the individual manual provided with each specific product for the warranty information.

What Vanco Will Do

If a speaker proves defective in either material or workmanship, Vanco, at its option, will either (a) repair and return it to you, or (b) replace and ship you a new speaker of the same model, unless your model is no longer available, in which case Vanco may replace your speaker with a current model of comparable value. In either case, Vanco will pay the shipping charge of sending you (US only) a replacement speaker or your repaired speaker. If a current model is substituted for your speaker, a modification to the mounting surface may be required. Vanco is not responsible or liable to make, account for or pay the cost of any such modification.

How To Make A Warranty Claim

The first step in making a claim under this limited warranty is to contact the Vanco authorized distributor/dealer where you purchased the speaker, or if you are unable to contact the distributor/dealer, you can contact Vanco directly, for instructions on what action to take. If it is necessary to return the speaker, it must be shipped in appropriate packaging to the destination given to you, prepaid with signature required for delivery, and be accompanied by (1) a document providing your name, address, phone number and email address, and a statement of why you believe the speaker is defective, and (2) a copy of your original receipt or bill of sale that identifies you as the original purchaser of the speaker and the authorized distributor/dealer you purchased it from ("Proof of Purchase"). You have the risk of loss or damage in transit to the destination, and therefore you are responsible for insuring the shipment for the full value of the speaker. Freight collect shipments will be refused. If Vanco determines this limited warranty does not cover your claim, your speaker will be returned to you freight collect.

Exclusions and Limitations

This limited warranty does not cover:

- > Speaker failure caused by anything other than a defect in material and workmanship.
- > Consequential damage to other components, equipment or premises regardless of the reason.
- > The cost of removing and reinstalling your speaker.
- > The cost of returning your speaker to Vanco.
- > Any claims if you are unable to provide Proof of Purchase from a Vanco authorized distributor/dealer.

Limited Lifetime Warranty (cont)

For Beale Street Audio Branded In-Wall and In-Ceiling Speakers and Subwoofers Purchased after May 1, 2017

This Limited Warranty Is Null And Void If Your Speaker:

- > Was used in an application or environment other than that for which it was intended
- > Misused, abused, improperly installed or removed
- > Damaged by any accident, disaster or other cause not related to defects in materials and workmanship.
- > You sell or otherwise transfer your speaker to any other person.
- > Was modified or repaired by anyone other than Vanco, or its serial number is altered, defaced or removed.

REPAIR OR REPLACEMENT OF YOUR SPEAKER UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. IN NO EVENT WILL VANCO BE LIABLE FOR ANY AMOUNT GREATER THAN THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE SPEAKER. VANCO SHALL NOT BE LIABLE FOR ANY FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES HOWSOEVER CAUSED. THIS LIMITED WARRANTY REPRESENTS THE ENTIRE WARRANTY AGREEMENT BETWEEN YOU AND VANCO REGARDING YOUR SPEAKERS AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY, FROM STATE TO STATE. SOME STATES LIMIT WHAT WARRANTIES MAY BE EXCLUDED AS WELL AS HOW LONG AN IMPLIED WARRANTY LASTS, SO THESE LIMITATIONS MAY NOT APPLY TO YOU.

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