



BH412SL and BH412ST Guitar Speaker Cabinet

User's Guide



Important Safety Instructions

1. Read, follow, and keep these instructions. Heed all warnings.
2. This speaker is capable of producing high sound pressure levels that may cause permanent hearing damage. User caution is advised and ear protection is recommended during use.
3. This speaker is designed for use on a sturdy, level surface. Whenever stacking speaker cabinets, remove the casters, and do not stack more than two high.
4. Speaker cables are a tripping hazard and must be routed out of traffic areas and away from any possible accidental contact.
5. Do not expose this speaker to rain or moisture. Do not place liquid filled containers on this speaker. Clean only with a damp cloth.
6. Repair or service of this speaker should be performed only by qualified personnel.

Introduction

Congratulations! You've just purchased a Blackheart Engineering BH412SL and/or BH412ST Guitar Speaker Cabinet featuring our exclusive design, Eminence speakers. Nothing says, "I came here to blow the heads off the first row" like a big 'ol guitar stack, lookin' down on all mankind like it's about to strike. But somewhere along the line, after the dawning age of rock and roll began to fade, when the rock stars become fewer and less rock starish, and the blistering sound of power chords echoing through an arena faded, giving way to lesser forms of music, it was the gear that suffered most. Heavy duty, multi-ply, real wood cabinets turned into particle board. Metal handles that were made to last longer than the band, started showing up made out of cheap plastic, and speakers that once ushered the big, fat voice of rock and roll through crowds of screaming fans, all of a sudden were sad little wimpy things, mere shadows of their former glory. Well, that just won't do for you. In fact, that won't do for Blackheart Engineering either. We decided it was high time to bring the speaker cabinet back to its full glory- to put built-like-a-tank quality back on stage and in the hands of the masses. That's why you just about bent your spine trying to get this thing out of the box. Like rock and roll, Blackheart is made for the brave, the strong and eventually the hard of hearing.

This speaker cabinet is built with the finest materials and components available; 1/2" radius corners in a void-free birch ply cabinet that looks like Michelangelo covered it for you personally. Metal handles, nice quality, smooth rolling casters. We looked over every detail and made sure you're going to be together for a long time. That's a Blackheart thing. We make rock-solid, no compromise music gear. We work with glass, metal and wood just like the powers that be intended when they created rock and roll. We take every amp and speaker cabinet personally and we do it assuming you worked hard to get it and we're not letting you down. That fancy tattoo logo was inspired by one of our test animals.* He said a great amp leaves a permanent mark on your tone, and shapes how you play, write, perform, etc. So, when you laid down coin for a Blackheart, you kind of got hitched.

So thanks for laying down your hard earned cash for a Blackheart Engineering product. We're not going to disappoint you. You've got, in your hands, one of the best sounding, best quality, speaker cabinets that's ever been made.

Vous avez notre coeur,

Pyotr Below

Kevin Van Pamel

Walter Hsu

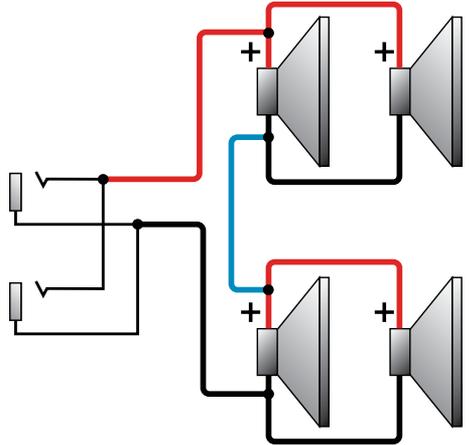
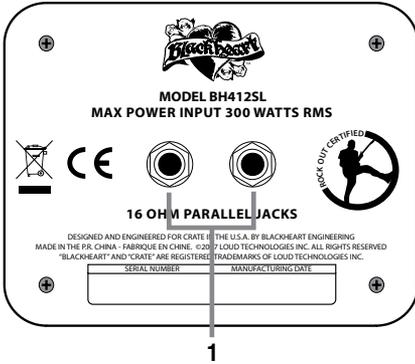
Blackheart Engineering

* We don't test on little furry helpless animals of course. We call our artists animals because, well, we've eaten with them. They give their time and opinions to us on a regular basis and have a lot to do with how good your Blackheart is.



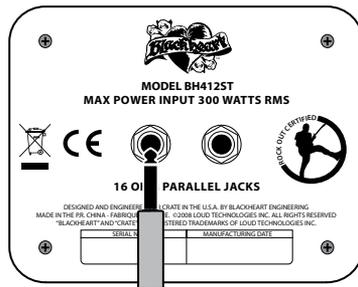
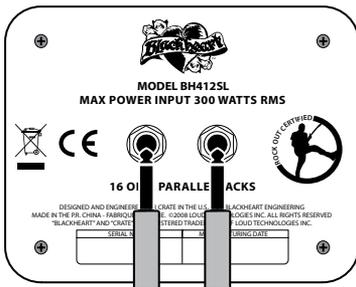
Rear Panel Connector Plate

System Block Diagram



- 1. 300W 16 Ohm Parallel 1/4" Jacks:** Connect the output of your amplifier (rated up to 300W into 16 ohms) to one of these jacks using good quality (non-shielded) speaker cable. *Never use (shielded) instrument cable to connect speakers to an amplifier.*

You can use the other jack to connect a second Blackheart BH412SL or BH412ST speaker cabinet in parallel. This will present a total load of 8 ohms to the amplifier (maximum power input = 600 watts rms into 8 ohms).



From Power Amplifier



BH412 TECHNICAL SPECIFICATIONS

Impedance	16 ohms
Power Rating	300 watts
Cabinet Construction	15-ply, 18 mm thick, void-free birch plywood
Speaker Specs	Four custom-designed Eminence Blackheart speakers Model BH1216B, British Voiced, 12", 1.75" voice coil diameter, 38 oz magnet
Inputs	2 x 1/4" parallel jacks
Size (H x W x D)	30.6 in/777 mm (including feet) x 30.0 in/720 mm x 14.17 in/360 mm
Weight	91.49 lb/41.5 kg

Remove the casters when you are stacking cabinets. The cabinets will then stand nice and proudly on their rubber feet. Put the BH412SL (slanty cab) on top. Do not stack more than two cabinets.

The Blackheart BH412 Guitar Speaker Cabinet is covered with a durable fabric-backed vinyl material. Wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.

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Service Information

If you are having a problem with your Blackheart BH412 Guitar Speaker Cabinet, you can go to our website (www.blackhearteng.com) and click on "Heart Surgery" for service information, or call 1-800-898-3211 during business hours (7 am to 5 pm PST, Monday-Friday). If you are outside of the U.S., contact your local distributor for technical support and service.



Correct disposal of this product: This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2002/96/EC) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

BLACKHEART ENGINEERING AMPLIFIER SERIES

www.blackhearteng.com

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16220 Wood-Red Road NE • Woodinville, WA 98072

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