

Forever Diamonds, Forever Speakers.

Jiaying DIBEISI Electroacoustics Co., Ltd.
1515 Zhou'an Road, Economic Development Zone, Jiaying City, Zhejiang Province, China.

T 0086-573-82325055 / 82325056 F 0086-573-82302877 E dibeisi@126.com
www.dibeisi.com www.dbslb.com

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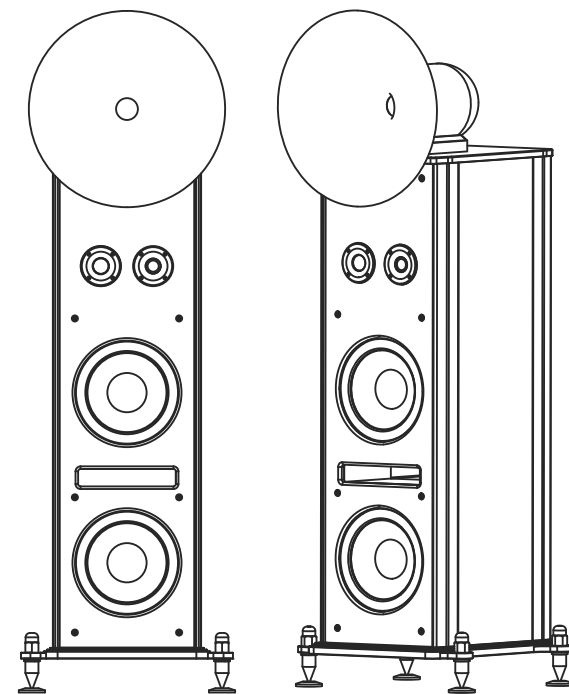
DIAMOND HILL

Diamond Hill Series
Hi-Fi Audio

D208 / D210 / D220

Hi-Fi Audio

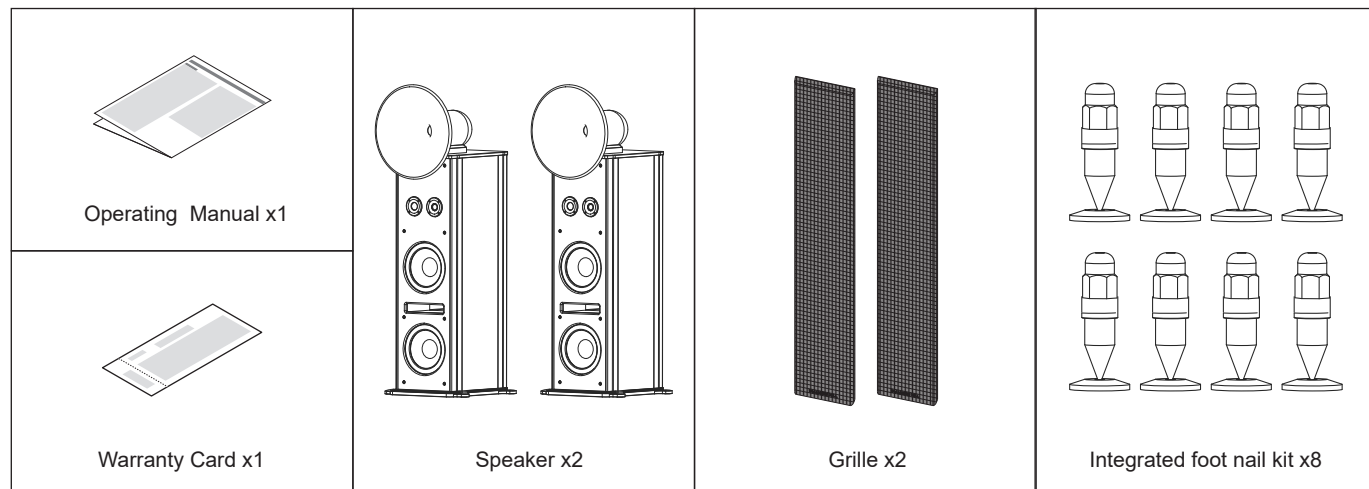
Operating Manual



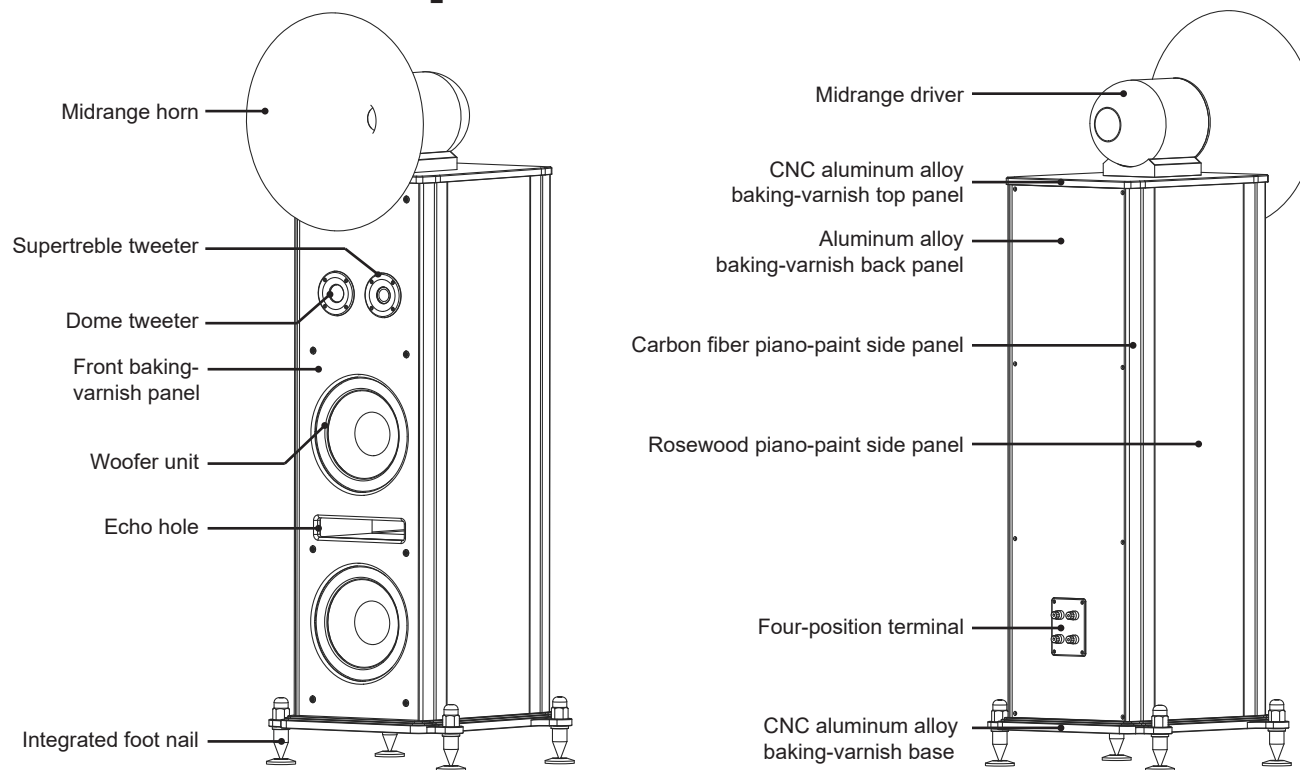
Thank you for choosing this product.
 To ensure proper operation, please read the user manual carefully before using this product.
 After reading, please be sure to store it properly for future reference.

What's included

Please check and confirm that the following components are included with this product.



Product description



System parameters

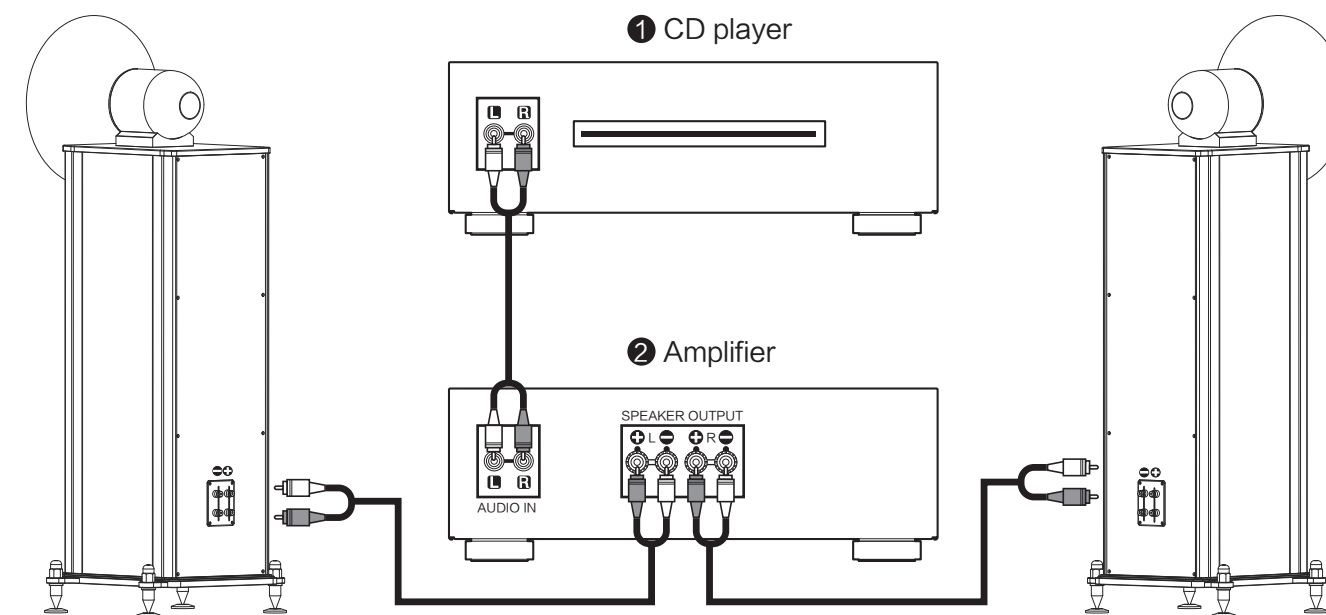
Model	D208 Parameters	D210 Parameters	D220 Parameters
Frequency response	500-10KHz(Midrange Horn) 1500-20KHz(Tweeter) 3000-30KHz(Supertreble) 33-4500Hz(Woofer)	500-10KHz(Midrange Horn) 1500-20KHz(Tweeter) 3000-30KHz(Supertreble) 30-4000Hz(Woofer)	500-10KHz(Midrange Horn) 1500-20KHz(Tweeter) 3000-30KHz(Supertreble) 28-3500Hz(Woofer)
Loading power	150W	200W	300W
Sensitivity	90dB	91dB	91dB
Average impedance	4Ohms	4Ohms	4Ohms
Recommended space area	> 15m ²	> 20m ²	> 25m ²
Tweeter unit	Unit size: 1" Dome Tweeter + 1" Ribbon Tweeter	Unit size: 1" Dome Tweeter + 1" Ribbon Tweeter	Unit size: 1" Dome Tweeter + 1" Ribbon Tweeter
Midrange horn	Round horn/Diameter:400mm(Midrange) Diffusion Angle:175°	Round horn/Diameter:450mm(Midrange) Diffusion Angle:175°	Round horn/Diameter:500mm(Midrange) Diffusion Angle:175°
Woofer unit	Unit size:2x8" Voice coil:2.5" Voice coil Material:Kapton/CCAW Magnet:Y35 Diaphragm:Compound paper cone with rubber edge	Unit size:2x10" Voice coil:2.5" Voice coil Material:Kapton/CCAW Magnet:Y35 Diaphragm:Compound paper cone with rubber edge	Unit size:2x12" Voice coil:2.5" Voice coil Material:Kapton/CCAW Magnet:Y35 Diaphragm:Compound paper cone with cloth edge
Size(W*D*H)	Size: 426x532x1400mm Weight: 65kg(Each)	Size: 486x536x1485mm Weight: 90kg(Each)	Size: 558x577x1700mm Weight: 110kg(Each)

Connection method

This product is a passive speaker, so you need to purchase playback equipment and audio connection cables separately.

1. Connect the CD player to the amplifier device using the connecting cable, as shown in the diagram.
2. Connect two speakers through the amplifier device, as shown in the diagram.

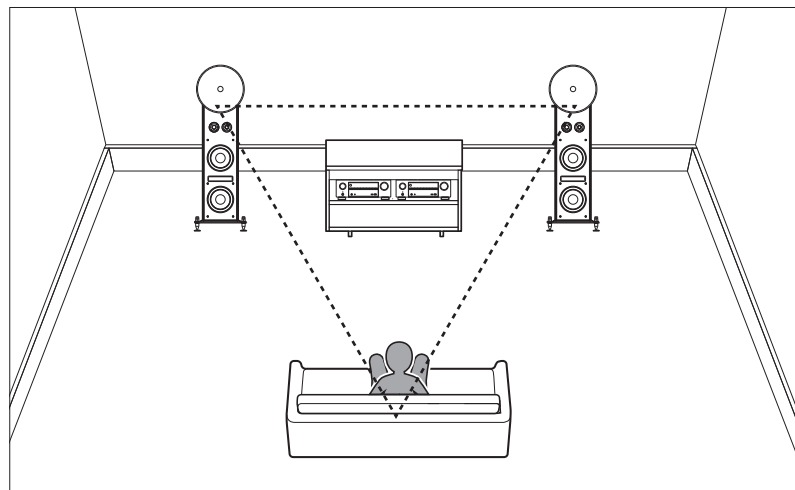
Please refer to the wiring diagram below. Generally, the red terminal is positive and the black terminal is negative.



Positioning and Fine Tuning

The most typical method is the "equilateral triangle method". This arrangement requires placing a pair of speakers facing the listener in a straight line, positioned on either side of the monitor, with a recommended distance between the two speakers of 2.0 to 3.0 meters. Note that the speakers should be positioned at a certain distance from the rear wall and side walls (at least 20 to 50 cm), as the rear echo hole of the speakers will not effectively release sound waves if the speakers are too close to the rear wall, significantly reducing the effectiveness of the soundstage. Additionally, the speakers should not be too close to the side walls to prevent the reflection of sound waves from altering the direction and intensity of propagation, affecting sound quality. Then, position the speakers and the listener to form an equilateral triangle with a 60° angle, ideally ensuring that they are on the same plane. The listener should sit in the so-called "emperor's seat" to achieve the best listening position and sound reproduction effects. The size of this equilateral triangle can vary depending on room size and amplifier power. In smaller rooms or with lower amplifier power, a smaller triangle may be appropriate, while in larger rooms or with higher amplifier power, a larger triangle may be preferred.

This product is available in three sizes: 8 inch, 10 inch and 12 inch, for your selection.



Troubleshooting

- The sound system is not producing sound.
- Check all equipment connections. Ensure the wiring is correct.
- Check if input terminals and output terminals are reversed.
- Inspect audio cables for damage.
- Ensure the core wires of the audio cables are making contact with the metal parts of the speaker terminals.
- Securely fasten wiring terminals. Check for any loose connections.
- Verify the correct input source is selected.
- Adjust the volume level.
- Check the digital audio output settings on connected devices. Some devices may have digital audio output settings defaulted to off.
- Avoid placing near heat sources, and ensure the ambient temperature remains below 35 degrees Celsius during use.
- Protect cables from being stepped on or crushed, especially around plugs, power outlets, and connected devices.
- Before powering on, ensure the voltage supply meets the requirements of the equipment.
- The power plug should serve as a disconnecting device and should be easily accessible.
- The equipment should not be exposed to water droplets or splashes and should not be placed near liquids.
- Do not place objects on the equipment, such as lit candles.
- Prolonged use of this equipment in humid environments may accelerate internal component aging, reducing the product's lifespan.



Alert users to important information in this manual.



Caution: Risk of electric shock. Do not attempt to open or repair the unit unless you are qualified to do so.