

psb SPEAKER IMAGINE Series Monitor 2-Way Speaker



# psb SPEAKER IMAGINE Series Monitor 2-Way Speaker Owner's Manual

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**psb SPEAKER IMAGINE Series Monitor 2-Way Speaker**



## Specifications

- **B50 2-Way Monitor:**

- **Frequency Response:** 45-23,000Hz
- **Sound Level Pressure:** 85dB
- **Impedance:** 8 Ohms
- **Recommended Power:** 20-150 Watts
- **Tweeter:** 1 (25mm) Titanium Dome Neodymium Magnet
- **Midrange:** 5 1/4 (133mm) Woven Carbon Fibre Cone Rubber Surround
- **Crossover Frequency:** 2,200Hz, LR4
- **Design Type:** 2-way Rear slot port
- **Dimensions:** 6 3/4 x 11 13/16 x 9 7/8
- **Net Weight:** 11.30 lbs
- **Finish:** Satin Black and Satin White
- **Features:** Dual, 5-way, Gold-plated Binding Posts, Bi-wireable/Bi-mappable, Rear facing slot port

- **T54 3-Way Monitor:**

- **T65 3-Way Monitor:**

## **Product Usage Instructions**

### **Setting Up the Speakers:**

1. Choose an appropriate location for the speakers ensuring they are placed securely on a stable surface.
2. Connect the speakers to your audio source using high-quality speaker cables.

### **Bi-Wiring and Bi-Amping:**

#### **To take advantage of bi-wiring or bi-amping capabilities:**

1. Use the provided speaker terminal jumper bars to configure the connections accordingly.

### **Optimizing Sound Quality**

1. Experiment with speaker placement to find the optimal position for balanced sound distribution.
2. Adjust the orientation and tilt of the speakers to direct sound towards the listening area.

### **Maintenance and Care:**

1. Regularly dust the speaker grills and cabinets with a soft cloth to maintain their appearance.
2. Avoid placing the speakers in direct sunlight or near sources of heat to prevent damage.

## **FAQ**

- **Q: Can I use these speakers with a home theater system?**
  - **A:** Yes, these speakers can be integrated into a home theater setup for immersive audio experiences.
- **Q: What is the difference between bi-wiring and bi-amping?**
  - **A:** Bi-wiring involves using separate cables for the tweeter and woofer sections of a speaker while bi-amping utilizes separate amplifiers for these sections for improved performance.
- **Q: How do I clean the speaker grills?**
  - **A:** Gently wipe the grills with a damp cloth to remove dust and dirt, ensuring not to use any harsh chemicals that may damage the fabric.

## **Introduction**

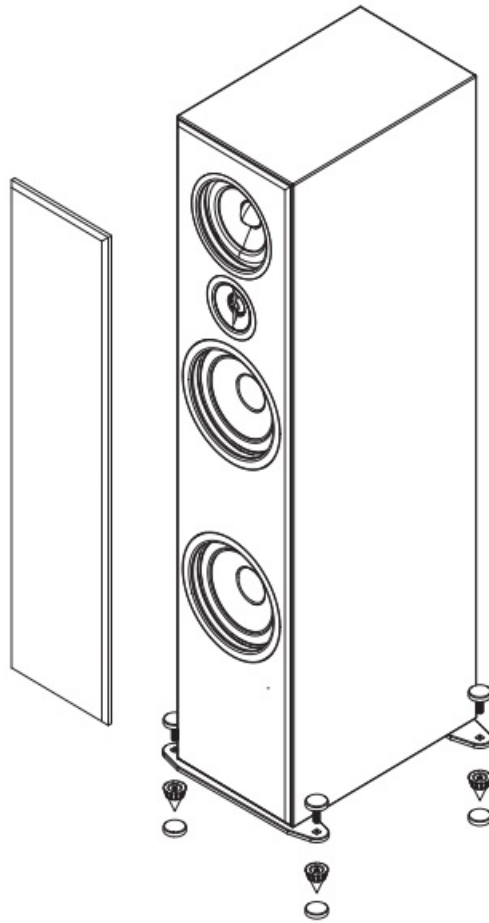


Figure 1 / Figura 1

Congratulations for purchasing a member of the PSB Imagine Series. In order to assist in the enjoyment of your speakers, we have provided you with some instructions for assembly, and some suggestions to help you optimize their performance.

**Additional information may be found on our website: [www.PSBspeakers.com](http://www.PSBspeakers.com)**

### **Speaker Terminal Jumper Bars (Figure 2)**

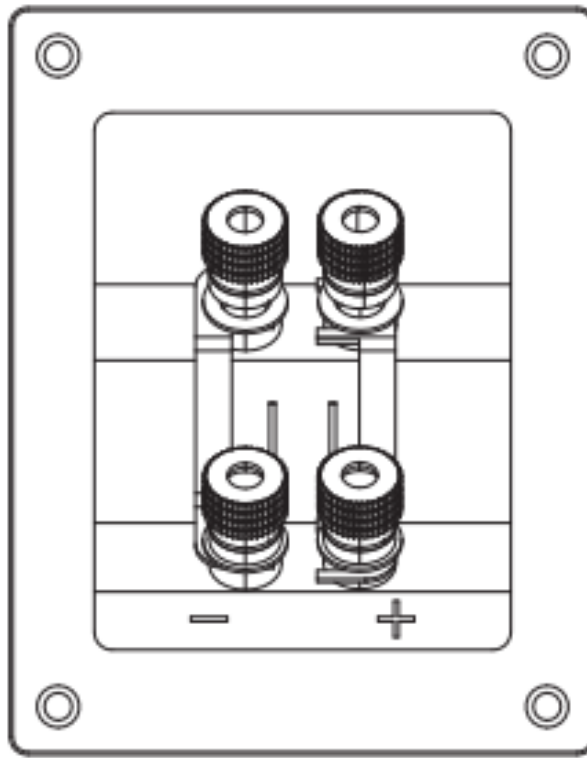


Figure 2 / Figura 2

The Imagine towers also include speaker terminal jumper bars. This will provide listeners with bi-wiring capabilities, as well as bi-amping. Though the audible differences of these features may be subtle, the benefits include; transients being less likely to cause clipping and/or speaker damage, reduced distortion, and the elimination of errors at low frequencies, while also providing better matching between the power amplifiers and speaker.

## Specifications

- **B50**
  - 2-Way Monitor
- **T54**
  - 3-Way Monitor
- **T65**
  - 3-Way Monitor

## Frequency Response

- **On Axis @0 +/- 3db**
  - 45-23,000Hz
  - 35-23,000Hz
  - 28-23,000Hz
- **On axis @0 +/- 1 1/2db**
  - 60-20.000Hz
  - 48-20.000Hz
  - 37-20.000Hz

- off Axis @ 30  $\pm$  1 1/2db
  - 60-10,000Hz
  - 48-10,000Hz
  - 37-10,000Hz
- **LF Cutoff**
  - 36Hz
  - 28Hz
  - 19Hz

## **Dolby Atmos Certified**

- **Sound Level Pressure**
  - Maximum @ 100Hz
- **Sensitivity**
  - Anchoir
  - 95dB
  - 97dB
  - RedR
- **Listening Room**
  - 87dB
  - 89dB
  - 90dB

## **Impedance**

- **Anechoic**
  - 85dB
  - 87dB
  - 88dB
- **Listening Room**
  - 87dB
  - 89dB
  - 90dB
- **Impedance**
- **Nominal**
  - 8 Ohms
  - 8 Ohms
  - 8 Ohms
- **Minimal**
  - 4 Ohms
  - 4 Ohms
  - 4 Ohms

## **Input Power**

- **Recommended**

- 20-150 Watts
- 20-150 Watts
- 20-200 Watts

- **Program**

- 150 Watts
- 200 Watts
- 200 Watts
- Acoustic Design
- Tweeter (Nominal)

**1" (25mm)**

- win Feround
- Neodymium Magnet

**1" (25mm)**

- Titanium Dome
- with Ferrofluid
- Neodymium Magnet

**1" (25mm)**

- Titanium Dome
- with Ferrofluid
- Neodymium Magnet
- Midrange (Nominal)

**4" (102mm)**

- Woven Carbon Fibre Cone
- Rubber Surround

**5 1/4" (133mm)**

- Woven Carbon Fibre Cone
- Rubber Surround

**Crossover**

- 2,200Hz, LR4
- 2500Hz LR4
- 500Hz, B3

- 2000Hz, LR4
- 600Hz, LR4

## Design Type

- Bass Reflex,
- Rear slot port
- **3-way**
- Bass Reflex,
- Individual Woofer Chambers
- 2x Rear slot port
- **3-way**
- Bass Reflex,
- Individual Woofer Chambers
- 2x Rear slot port

## Construction

- Cabinet Sleeve
- MDF
- MDF
- MDF

## Baffle Front

- MDF
- MDF
- MDF
- **Baffle Rear**
  - MDF
  - MDF
  - MDF
- **Frame Grill Face**
  - Acoustically Transparent Cloth
  - Acoustically Transparent Cloth
  - Acoustically Transparent Cloth
- MDF
- MDF
- MDF

## Dimensions

- 6 3/4 x 11 13/16 x 9 7/8"
- 6 3/4 x 32 11/16 x 13 1/2"
- 8 3/8 x 38 13/16 x 13 1/2"



## Size ( WxHxD)

- 171 x 300 x 251 mm
- 171 x 830 x 302mm
- 213 x 986 x 343mm
- **Net Weight**
  - 11.30 lbs
  - 5.13 kg
  - 31 lbs
  - 14 kg
  - 44 lbs
  - 20 kg
- **Finish (Painted)**
  - Satin Black and Satin White
  - Satin Black and Satin White
  - Satin Black and Satin White

## Features


- Dual, 5-way, Gold-plated
- Binding Posts,
- Bi-writeable/Bi-capable,
- Rear tacina slot nort
- Rear-facing slot port
- Black Bumpers
- Cald later summary
- Gold-plates Jumpers
- Dual, 5-way, Gold-plated
- Binding Posts,
- Bi-writeable/Bi-capable,
- Rear-facing slot ports
- Aluminum outrigger Bars and Spikes
- Gold-plates Jumpers
- Dual, 5-way, Gold-plated
- Binding Posts,
- Bi-writeable/Bi-capable,
- Rear-facing slot ports
- Aluminum outrigger Bars and Spikes
- Gold-plates Jumpers

## PSB Speakers

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  - (905) 831-6555
  - **Fax:** 905-831-6936
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## Documents / Resources

 A technical diagram of the PSB Imagine Series Monitor 2-Way Speaker. It shows a side view of the speaker with two drivers (a tweeter and a woofer) and a subwoofer. The diagram is labeled 'IMAGINE' and 'IMAGINE Series Owner's Manual' at the top, and 'psb' at the bottom.	<p><a href="#">psb SPEAKER IMAGINE Series Monitor 2-Way Speaker</a> [pdf] Owner's Manual T65, T54, B50, IMAGINE Series, IMAGINE Series Monitor 2-Way Speaker, Monitor 2-Way Speaker, 2-Way Speaker, Speaker</p>
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## References

- [psb PSB Speakers - Music and Home Theatre Loudspeakers](#)
- [User Manual](#)

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