

---

Subject: In wall or free standing?

Posted by [Wonderwoll](#) on Sat, 02 Oct 2010 11:52:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I have been reading about in wall speakers but am not convinced that they are going to ever produce the quality of sound free standing speakers can. Are they only an option for those who are really pushed for floor space?

---

---

Subject: Re: In wall or free standing?

Posted by [Wayne Parham](#) on Sat, 02 Oct 2010 15:04:37 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

If you're talking about the little car speakers behind a plate, then you're right, those aren't good for much more than casual listening. I think in general, that's what people expect of wall mount or ceiling mount speakers. But you can place a well-designed high-quality speaker in the wall so it's baffle is flush with the wall. If the speaker is voice properly for this, it can sound very good. It prevents the wall from being a source of early reflections and eliminates baffle step.

---

---

Subject: Re: In wall or free standing?

Posted by [jazzlover](#) on Tue, 05 Oct 2010 10:17:17 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Thanks that you discuss this. In another part of this forum, there is discussion about dipoles and monopoles. I presume wall-mounted speakers are what they call monopoles.

How do you suggest we install this kind of speaker on the walls? Would we carve a hole on the wall and insert the speaker there? Or would we construct a box and install it on the wall? Lastly, at what height would you recommend we mount them?

---

---

Subject: Re: In wall or free standing?

Posted by [Wayne Parham](#) on Tue, 05 Oct 2010 14:11:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Wall mounted speakers are monopoles, yes. You can mount the speaker any way you want to. Like I said in my last post, most purpose designed wall-mount speakers are very much like car speakers, using the wall itself as the baffle and the space behind the wall as the rear chamber. They are usually tuned a lot like infinite baffles.

You can also use a speaker in an existing cabinet but cutting a hole in the wall and making a space for the speakers where the front baffle is flush with the wall. This eliminates baffle step, but

---

does not avoid other boundary reflection problems, like room modes. It also makes orientation potentially difficult, in that you can't angle the speakers inward to provide toe-in, for example, without disrupting the baffle/wall interface.

---

---

Subject: Re: In wall or free standing?

Posted by [BigMacAndCheese](#) on Wed, 06 Oct 2010 12:34:48 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

If you are handy round the house this would it be a fairly straightforward job? I wonder if floor standing speakers appeal more to those who want the aesthetic pleasure as well as the sound? There are some lovely looking products out there.

---