
Subject: Surround speakers and orientation

Posted by [Wayne Parham](#) on Thu, 25 Mar 2010 06:08:20 GMT

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effects but sometimes they have some pretty serious content and that little bit extra midbass from

As for orientation, just like the front left and right speakers should be toed-in 45° so their forward axes cross just in front of the listening area, the surrounds should be toed-in so their forward axes cross just behind the listening area. This makes the surround speaker toe-in very severe, like 80° .

The surrounds should be positioned just behind the listeners and to the sides. It is good to have them on the side walls, just a few feet behind the listeners. In this position, they are oriented nearly 90° , usually something between 70° and 80° compared to a forward facing position.