
Subject: Re: Does The Weather Affect The Quality Of Music?
Posted by [Wayne Parham](#) on Sat, 11 Aug 2018 14:29:57 GMT
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The speed of sound changes with temperature, pressure and humidity changes. But it's not nearly as significant as the electro-mechanico-acoustic shifts that happen at different applied power levels. So a loudspeaker's performance varies much more through its (power) operating range than through the ranges of temperature, pressure and humidity people are comfortable of using them in.

A good loudspeaker design is tolerant of parameter shifts. Components should be used well within their operating range, with drivers slightly overdamped. This way parameter shifts will not adversely affect performance.