

Three Common Myths About PoE



PoE (Power over Ethernet) is shaping the new climate of speaker technology for commercial installations. But is a promise of providing power and network connection over one cable too good to be true? Bluesound Professional utilizes PoE+ and PoE++ technology in our networked streaming loudspeakers [BSP200](#), [BSP500](#), and [BSP1000](#). Here are three common myths about PoE technology our experts have debunked:



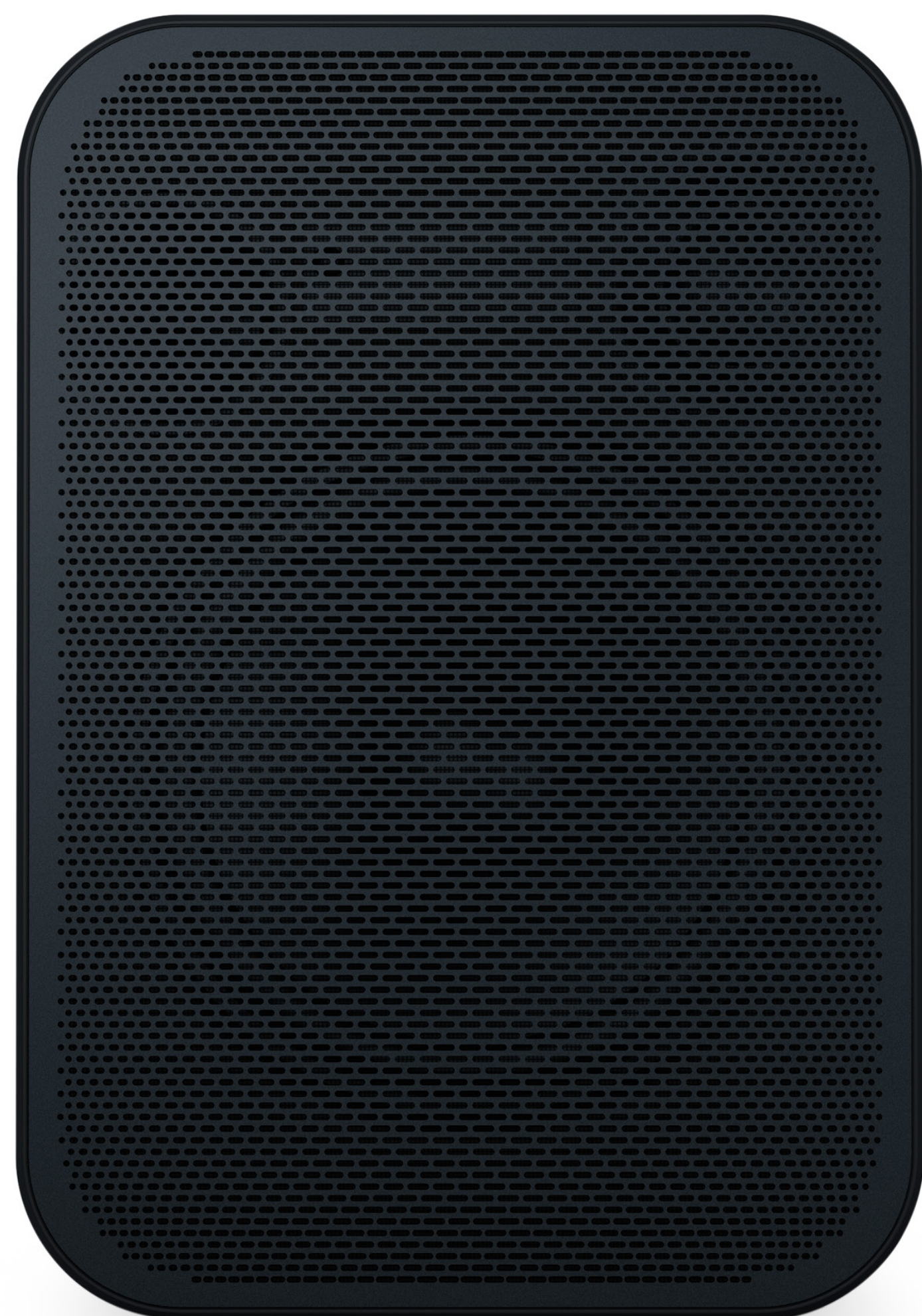
Myth #1: PoE speakers are unnecessary for commercial installations.

Truth: Why invest in commercial speakers when you can use the good old wireless speakers from the local HiFi shop? The truth is that residential speakers are not suitable for commercial usage. The average residential speaker is built to only support small systems in relatively small spaces, they require their own AC power outlet, and they often waiver in terms of network stability – resulting in dropouts and a compromised audio experience. First off, PoE technology

allows speakers to be supported with sufficient power according to their wattage requirements (PoE for 15-watt, PoE+ for 30-watt, PoE++ for 60-watt supply) as well as a robust wired network connection, all by means of a simple Cat5e or Cat6 cable. As the number of speakers increases particularly in large commercial spaces, PoE technology eliminates the cost of installing additional AC outlets, thanks to the solution of a PoE switch or injector. A PoE switch can support many PoE speakers at once with power and data (may vary depending on number of ports and size of internal power supply of the switch). For outdoor installations, our IP65 rated speakers BSP500 and BSP1000 are weatherproofed to withstand all sorts of outdoor conditions, whereas residential or non-commercial speakers may not be water or weather resistant at all. Finally, our larger speakers such as the BSP500 and BSP1000 are equipped with a PoE++ (60 watt) option for more power in the case that more coverage is needed (3 dB SPL boost). Our broad range of PoE speaker sizing from our BSP200 (small) to our BSP1000 (large) can be mixed and matched to create the perfect audio ecosystem for all commercial installation types from small single zones to large multi-zone spaces.

Myth #2: PoE speakers involve too much hardware.

Truth: Did someone say cable? The truth is, most residential speakers, even if deemed ‘wireless’ still require an AC connection, need to be charged regularly and are unreliable on commercial standards as they involve streaming over WiFi which leads to frequent audio and network dropouts. Bluesound Professional’s PoE speakers are designed to support commercial spaces with high quality audio at the requirement of a single, hassle-free Cat5e or Cat6 cable providing a more robust ethernet connection and a remote power delivery that costs significantly less than installing an AC receptacle. They uniquely integrate an in-built streamer and amplifier for an all-in-one solution. Thus, opting to use PoE speakers significantly reduces the amount of hardware required since you don’t need to purchase a separate amplifier or streamer, you don’t need two different connections for network and power, and best of all, you don’t need to worry about placing them near or spending a fortune on providing AC receptacles.



Myth #3: PoE speakers sound terrible.

Truth: Bluesound Professional’s line of PoE speakers is designed for the very purpose of providing commercial installations with high-quality audio. Built into every speaker is a hi-res music streamer equipped with BluOS, an award-winning platform that allows for multi-room streaming and connects the speaker to our commercial music streaming partners [SoundMachine](#), [Custom Channels](#), [QSIC](#), [SiriusXM Music for Business](#) and [Tunify](#). Aside from hi-res audio, all your commercial music needs are covered, with countless royalty-free, legal and commercially licensed music libraries at your disposal. With our networked streaming PoE loudspeakers, you can count on having a great sounding commercial audio system, stable music streaming over ethernet and the on-hand ability to curate the perfect playlists for your installation soundscape. Though other competitors may offer PoE products, they don’t offer the full-circle benefits of Bluesound Professional’s PoE solutions.

Discover our line of PoE Speakers

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