



# SNS COLLEGE OF ENGINEERING

(Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING



## CONSUMER ELECTRONICS



Guess Today's Topic????





## MULTI SPEAKER SYSTEM



A multi-way speaker system comprising a tweeter, a squawker and a woofer wherein each of the speakers is arranged in staggered relation along their radiating axis at a predetermined spacing from each other and provided with an appropriate crossover network coupled to an input terminal of each of the speaker whereby sound pressure-frequency characteristics of a synthesized sound wave resulting from the synthesis of respective sound waves radiated from respective speakers are rendered flat, and phase frequency characteristics of said synthesized sound wave are rendered linear, over an entire band to improve a waveform transmission characteristic of an overall speaker system.





## MULTI SPEAKER SYSTEM



Music plays a big role in creating the perfect atmosphere at home, whether we're relaxing on the couch, exercising in the basement gym, cooking in the kitchen, or hosting a party outdoors. What if you could control the audio in every space of your property from the same device—at the same time?

A multiroom audio system from Control4 allows for effortless control of high-quality music and media everywhere or in individual rooms that have connected speakers. From a single controller, you can blanket any zone in your home with immersive sound to complement the task at hand.

In this blog, we'll dive into the basics and benefits of a distributed home audio system from Control4 and provide next steps for how to bring multiroom audio to your Scottsdale, AZ living space.





## MULTI SPEAKER SYSTEM



Multiroom audio transforms the soundscape of your property with wired or wireless speakers in any and every area of your home that all connect to a centralized matrix switch. This setup allows you to control the audio output of every zone from a single device, such as your smartphone or tablet.

Stream a high-resolution playlist from TIDAL in your living room, pick a song from your private media collection for the kitchen, or resume your daily news podcast in the home office. You can just as easily play any source in every zone or different sources in each zone, whether digital or analog.

Control4 offers a variety of intuitive control solutions to complement your lifestyle. Instead of carrying your smartphone around to control the audio throughout your home, opt for in-wall touchscreens or designer keypads. You can even go hands-free and control your music via voice commands.





## MULTI SPEAKER SYSTEM



Music doesn't just add a punch of color to your indoor activities. If you have a knack for outdoor living, make sure you don't skimp on the audio. With all-weather landscape speakers discreetly installed throughout your backyard, you can enjoy high-quality sound from the cozy porch to the jacuzzi.

Don't limit your speakers to music alone. You can also distribute the audio of the latest sports game to your backyard so no one misses the action as they grill on the patio or swim laps in the pool. When hosting a get-together, extend the fun by streaming the same indoor party music to your backyard spaces so guests know they can step outside and take advantage of the cool weather and starry sky.





## MULTI SPEAKER SYSTEM



Because we value your vision, we can make any speaker installation work with your style and personal preference. From soundbars and flexible wireless speakers to bookshelf speakers, stately floor-standing speakers, and even architectural speakers that hide behind walls and ceilings, the possibilities are endless.

Whether you desire hand-crafted speakers that add style to your home or flush-mounted speakers that protect your interior design, our team at Wipliance will create the perfect soundscape for your property that is effortless to control with your preferred Control4 smart device.





*Thank  
you*

