

# Residential Solution Guide

# SONOS

Complete solutions for a sound system delivered by a leader in home audio



## Audio expertise meets great design

Since 2002, Sonos has built an ecosystem that encompasses everything from compact smart speakers and soundbars to amplifiers, making it easy to create a custom solution for every space. It's all managed with the Sonos app, which brings together content streaming, control, and system optimization in a single platform.



## The best audio solution for your home

Sonos leads the industry in providing premium residential audio solutions that can be completely customized for any home. The Sonos Architectural line of speakers delivers premium sound, discreetly installed. Designed and tuned in collaboration with Sonance, combine with Sonos Amp to offer a complete system.

Engineered for simple setup and operation, Sonos Architectural offers flexibility with a range of speaker options and unique features like Trueplay™, overdrive protection, and custom tuning. Create a signature Sonos experience at home with Sonos Architectural and Amp. Pair with Sonos active speakers and subs, expand an existing system, or integrate with third-party smart home platforms.

### Premium

Sonos Architectural speakers, when paired with Amp, provide superior sound and seamless control.

### Discreet

Sonos Architectural offers in-wall, in-ceiling and mounted speakers that blend into any aesthetic.

### Simple to install

Install your complete system with integral Roto-Lock® that allows quick mounting into ceilings and walls.



## The heart of your Sonos system

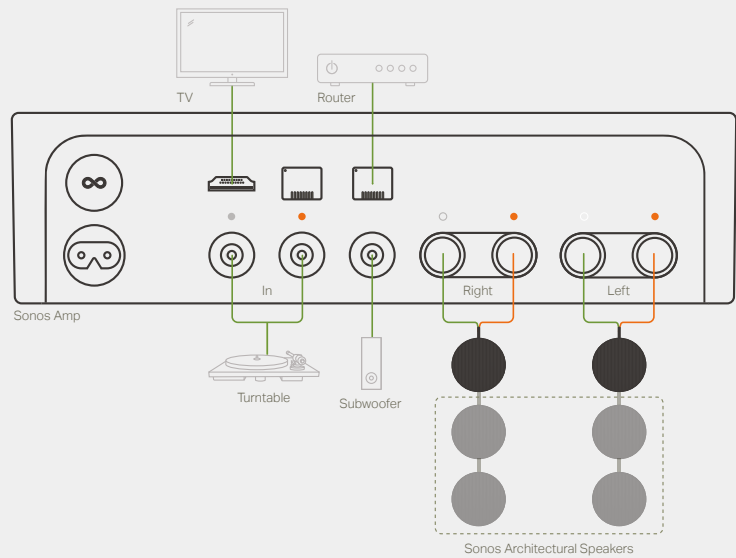
To power Sonos Architectural speakers and maximize system performance, the WiFi enabled Sonos Amp is key.

Taking one wireless audio stream, Amp powers up to three pairs of Sonos Architectural speakers. Create a unique audio zone with each Amp and treat each area of your home to endless audio possibilities by grouping zones together or operating independently.

From music to podcasts, audio books and your own personal vinyl collection, Amp delivers an immersive experience with clear, undistorted sound.

## Sonos Amp

Unlock the full capacity of Sonos Architectural speakers no matter what the space, delivering a seamless experience that redefines home audio.

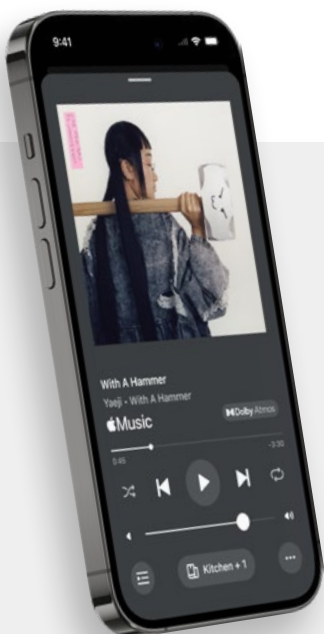
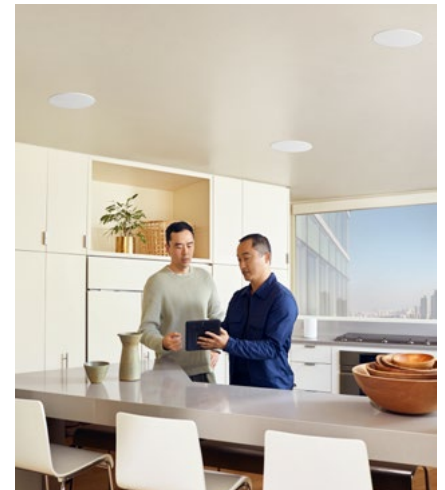




## High performance sound meets low-key design

Sonos Architectural speakers unlock Sonos Amp's full potential in a variety of ways. The "Detect Sonos Architectural" feature allows Amp to recognize Sonos passive speakers and automatically apply custom tuning and DSP to provide robust sound and even frequency response. This optimizes system performance and ensures stable operation.

When powering Sonos In-Ceiling or In-Wall speakers, Detect enables our unique Trueplay™ tuning technology which uses the microphone on an iOS device to analyze the unique acoustics of your listening space and then tunes the speakers for the best sound. Additional adjustments can also be made using the EQ settings in the Sonos app.



## The Sonos app: curation and control

Available for all smart phones and tablets, the Sonos app provides music streaming control and system management together in one place. Sonos supports more than 100 streaming services, including Spotify, Amazon Music, Pandora, Apple Music, TIDAL, and Sonos Radio, in free and premium tiers.

Use the app to play content and manage a Sonos system from any room: Adjust volume, create speaker groups and room zones, and customize settings.



# Build your listening experience

Sonos Architectural in-ceiling, in-wall and outdoor passive loudspeakers let you transform your home into a premium listening experience. Featuring crisp, focused coverage and additional features when paired with the Sonos Amp, our solutions transform your environment with natural yet powerful sound. Transcend traditional setups by offering Dolby Atmos audio, a wireless subwoofer and Port that expands the possibilities of multiroom listening.

## Passive speakers



### 8" In-Ceiling Speakers

This two-way speaker features an 8" polypropylene woofer and 1.2" tweeter. A newly designed, high-excursion motor produces powerful output and defined bass, and an optimized waveguide delivers uniform, controlled dispersion.

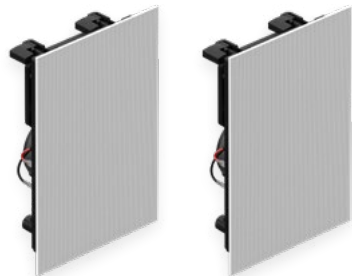
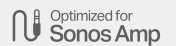
- Frequency response (With DSP): 29Hz - 20kHz ( $\pm 3$ dB)
- Nominal impedance: 8 $\Omega$
- Power handling (Program): 225W max
- Nominal coverage angle: 100° axisymmetric
- Color: White magnetic steel grille can be painted to match any ceiling color
- Other: Compatible with Trueplay™ when used with Sonos Amp



### 6" In-Ceiling Speakers

A versatile overhead solution for small to medium-sized spaces, this compact two-way speaker features a 6.5" polypropylene woofer and 1" cloth tweeter for focused coverage and clear, full-range sound.

- Frequency range (With DSP): 36Hz – 20kHz ( $\pm 3$ dB)
- Nominal impedance: 8 $\Omega$
- Power handling (Program): 130W max
- Nominal coverage angle: 90° axisymmetric
- Color: White magnetic steel grille can be painted to match any ceiling color
- Other: Compatible with Trueplay™ when used with Sonos Amp



### In-Wall Speakers

The In-Wall shares the same 6.5" woofer and 1" tweeter as the 6" In-Ceiling model, providing a similar acoustic experience. Whether in your wall or your ceiling, these speakers produce smooth mids, rich bass, and crystal-clear highs anywhere you want them.

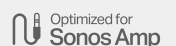
- Frequency range (With DSP): 36Hz – 20kHz ( $\pm 3$ dB)
- Nominal impedance: 8 $\Omega$
- Power handling (Program): 130W max
- Nominal coverage angle: 90° horizontal x 80° vertical
- Color: White magnetic steel grille can be painted to match any wall color
- Other: Compatible with Trueplay™ when used with Sonos Amp



### Outdoor Speakers ○●

These surface-mount speakers withstand water, UV rays, and extreme temperatures. Inside, a 1" tweeter and 6.5" woofer for expansive sound. FastMount brackets allow installation on brick or stone surfaces.

- Frequency range (With DSP): 48 Hz-20 kHz  $\pm 3$  dB
- Nominal impedance: 8 $\Omega$
- Power handling (Program): 130W max
- Nominal coverage angle: 80° horizontal x 90° vertical
- Protection rating: IP66 and Mil Spec 810 for humidity, salt spray, temperature, UV



## Components



### Amp

Packing 125 watts per channel, Sonos Amp powers up to six Sonos Architectural speakers. The app's Speaker Detection feature recognizes Sonos Architectural speakers and applies DSP to optimize tuning curves for clear, distortion-free sound at any volume.

- Amplification: Class D, 2 x 125W into 8Ω
- Inputs: HDMI, ethernet, stereo RCA line in
- Outputs: Binding post, RCA subwoofer out
- Other: Trueplay™, Speaker Detection, front-panel controls



### Port

The Port network audio streamer incorporates traditional hi-fi components and legacy music libraries in the Sonos ecosystem, expanding the possibilities for multiroom listening. Hook up a CD player, receiver, preamplified turntable, or other device and access streaming content and control features via the Sonos app.

- Inputs: Ethernet, stereo RCA line in
- Outputs: Coaxial digital, stereo RCA line out
- Other: 12V trigger out

## Powered speakers



### Arc

Our premium soundbar delivers immersive sound for home theater and music, thanks to an 11-driver array that fires sound in all directions and support for Dolby Atmos. Add a Sonos Sub and In-Wall surrounds for an even more enveloping soundstage, and optimize response with Trueplay.

- Driver array: 11 full-range elliptical woofers, three silk-dome tweeters
- Amplification: 1 x Class D amps
- Supported formats: Dolby Atmos, Dolby Digital, Dolby Digital Plus, Dolby True HD, DTS
- Connections: HDMI ARC, HDMI eARC, ethernet, optical audio adapter
- Hands-free control: Apple AirPlay 2, Works with Alexa, Google Assistant
- Sound modes: Speech Enhancement, Night Sound
- Adjustable EQ using the Sonos app
- Other: Compatible with Trueplay™



### Sub (Gen 3)

This wireless subwoofer adds rich, impactful bass to music and movies, extending low end to 25Hz for sound you can feel. Inside its O-shaped vented enclosure, two 6" force-canceling elliptical woofers deliver defined, dynamic bass for a more immersive entertainment experience.

- Input: Ethernet
- Amplification: Dual Class D
- EQ, level adjust, polarity invert
- Other: Compatible with Trueplay™

# A sound solution for every space

Transform any living space into a personalized entertainment haven. With Sonos Architectural speakers strategically placed throughout the home and managed via the Sonos app, everyone can enjoy movies, music, and more with rich, immersive sound.

## Elevated TV audio

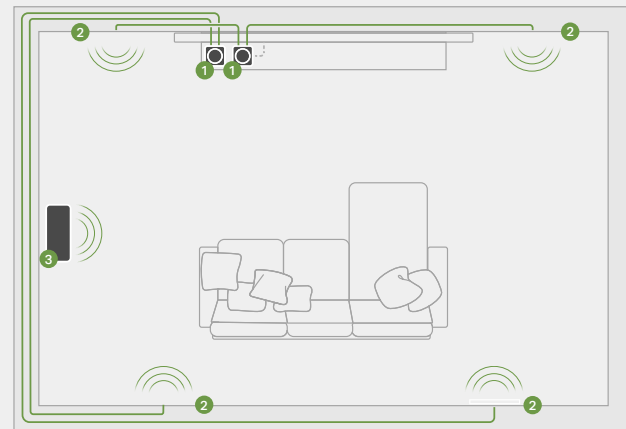
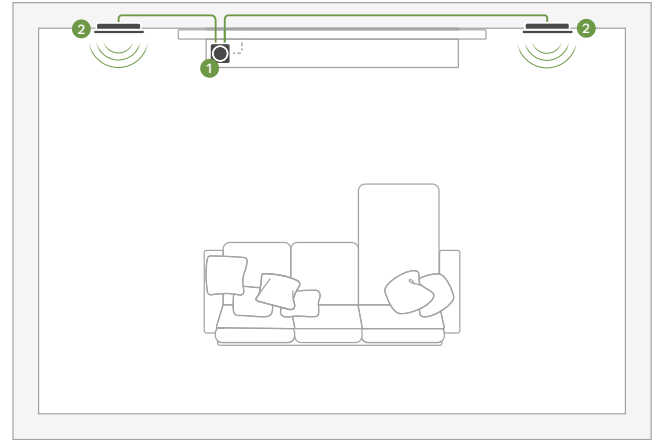
Take TV sound outside the box when you install a pair of in-wall speakers as a discreet alternative to a soundbar.

### Sample system:

TV — Amp — In-Wall L and R

- ① Amp ② In-Wall Speaker

— Speaker Cable - - - HDMI Cable



## Cinematic surround sound

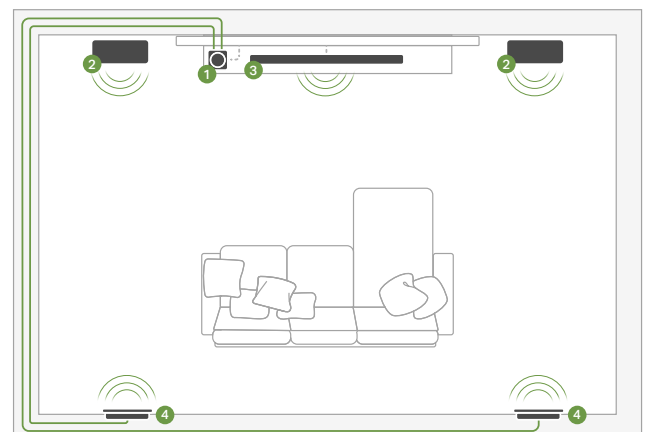
Configure a sleek 4.1 system that takes advantage of Sonos Amp's phantom center channel.

### Sample system:

TV — Amp — In-Wall L and R, Amp — In-Wall rear surround L and R — Sub

- ① Amp ② In-Wall Speaker ③ Sub

— Speaker Cable - - - HDMI Cable



## Dolby Atmos immersion

Pair a soundbar with In-Wall surrounds and low-profile subwoofers for rich, cinematic sound that fills the room while occupying minimal physical space.

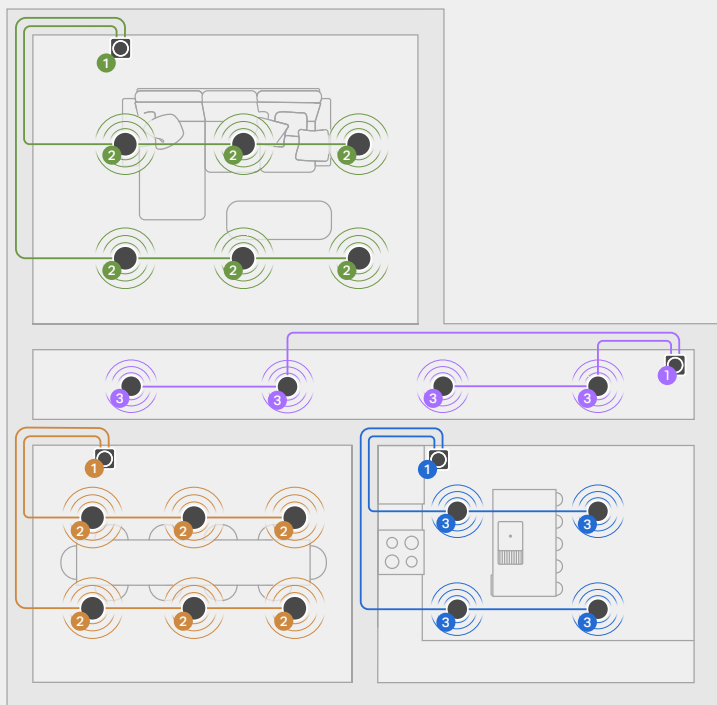
### Sample system:

5.1.2 home theater system

Arc soundbar — Amp — two In-Wall rear surround speakers — two Subs

- ① Amp ② Sub ③ Arc Soundbar ④ In-Wall Speaker

— Speaker Cable - - - HDMI Cable



## Multiroom music

Curate the soundtrack to a party or relaxing after a long day with synchronized music streaming that offers independent volume control for each zone.

### Sample system:

**Zone 1 - Living Room:** Amp — three 8" In-Ceiling stereo pairs

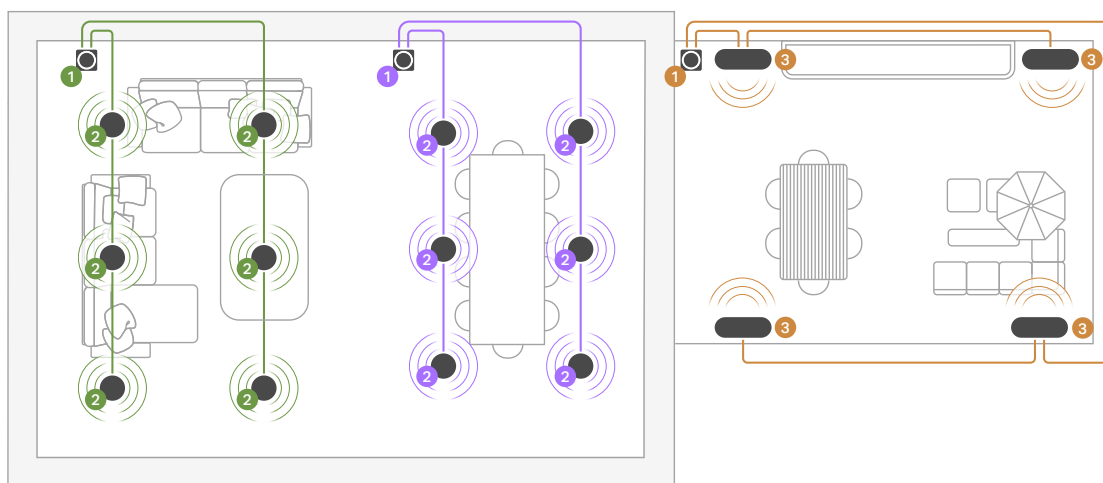
**Zone 2 - Hallway:** Amp (configured as dual mono) — four 6" mono-summed ceiling speakers

**Zone 3 - Dining Room:** Amp — three 8" In-Ceiling stereo pairs

**Zone 4 - Kitchen:** Amp — two 6" In-Ceiling stereo pairs

① Amp ② 8" Ceiling Speakers ③ 6" Ceiling Speakers

— Speaker Cable



## All-weather audiophile

Enjoy superior sound, rain or shine, with the ultimate indoor/outdoor setup.

### Sample system:

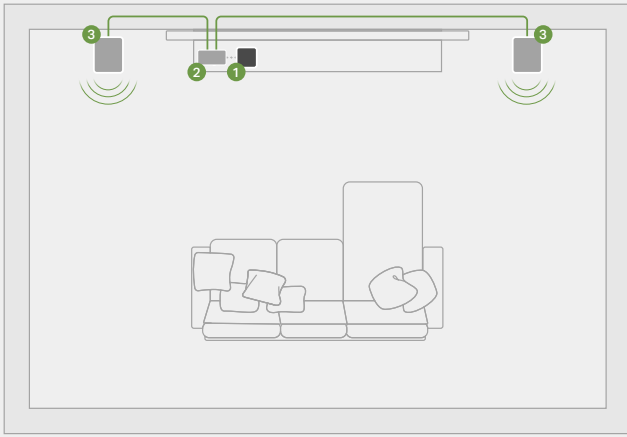
**Zone 1 - Living Room:** Amp — three 8" In-Ceiling stereo pairs

**Zone 2 - Dining Room:** Amp — three 8" In-Ceiling stereo pairs

**Zone 3 - Outdoor Patio Area:** Amp in dual mono mode — four Outdoor speakers

① Amp ② 8" Ceiling Speakers ③ Outdoor Speakers

— Speaker Cable



## Modern vintage

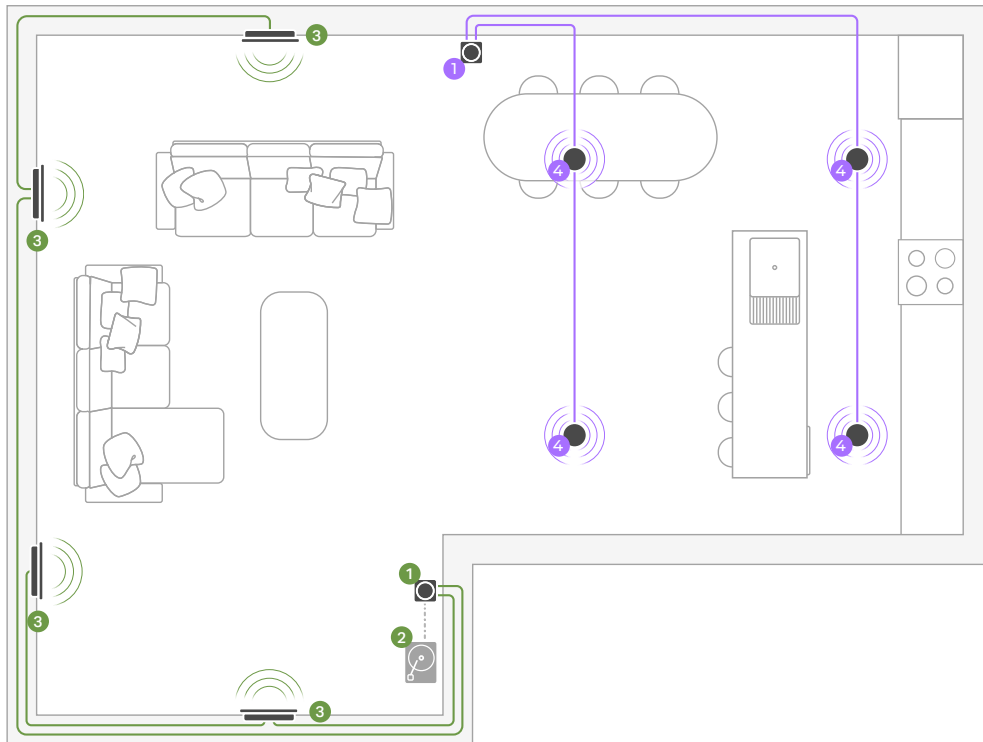
Bring wireless streaming and hands-free control to legacy players, amps, receivers, and loudspeaker systems.

### Sample system:

Port — legacy integrated amplifier — legacy floorstanding or bookshelf speakers

- ① Port    ② Legacy Amplifier    ③ Legacy Speakers

— Speaker Cable    - - - Audio Cable



### Sample system:

**Zone 1 - Living Room/Den:** Turntable (note as preamped or include a phono preamp) — Amp — four In-Walls  
**Zone 2 - Large/Open Kitchen:** Amp — four 8" In-Ceiling

- ① Amp    ② Turntable    ③ In-Wall Speakers  
 ④ 8" In-Ceiling Speakers

— Speaker Cable    - - - Audio Cable

## Whole-house vinyl listening lounge

Seamlessly integrate a turntable into a Sonos system and extend the warm sound of vinyl throughout the home.

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