

# Amp Multi Solution Guide

# SONOS

A flexible, innovative multi-zone amplifier built for professional installation in residential environments



## A leader in smart sound systems

Since 2002, Sonos has been synonymous with sound expertise and great design. With an ecosystem that encompasses everything from smart speakers and soundbars to architectural systems, Sonos makes it easy to create custom connected sound solutions for every space, from homes to small businesses.

## Reimagining the multi-zone amplifier

Sonos Amp Multi is a groundbreaking multi-zone streaming amplifier built to meet the real-world demands of custom installation. With 125W per channel and up to four zones, an innovative convection-cooled design, and full Sonos streaming capability, Amp Multi combines power, precision, and simplicity into a single elegant device. Designed in collaboration with the professional installer community, it reimagines what's possible for scalable audio solutions.



## Amp Multi at a glance

Amp Multi was engineered to streamline every stage of an install while delivering the outstanding audio performance customers expect.

- 8 outputs, 4 zones
- Flexible speaker assignments
- Native Sonos app control
- Elegant 1.5U form factor
- Innovative 2U Rack Mount

## Built for pros from the ground up

Backed by thousands of hours of research and engineering, Amp Multi was designed specifically for professional AV integrators serving the CI market. Packed with features and innovations that support your workflows, Amp Multi is a truly flexible, one-of-a-kind multi-zone streaming amplifier that helps you deliver bespoke audio experiences with precision and efficiency.



## Multi-zone capability

Amp Multi delivers 125 watts per amplifier channel into eight outputs, assignable to any zone, giving you complete flexibility in system design. Different zones can be configured to operate independently, or a single zone can be configured with multiple outputs. For even larger installations, integrators can configure multiple units to a single zone and still benefit from the same straightforward setup and workflow, all managed through the Sonos app. Users can easily change audio sources and content, ensuring a streamlined and consistent experience.



## Innovation inside and out

Amp Multi delivers premium quality sound in a compact, durable, and power-efficient design. Housed in a thermally-optimized, rack-friendly chassis, advanced GaN technology, Class D amplification, and post-filter feedback (PFFB) ensure exceptional audio quality and performance.

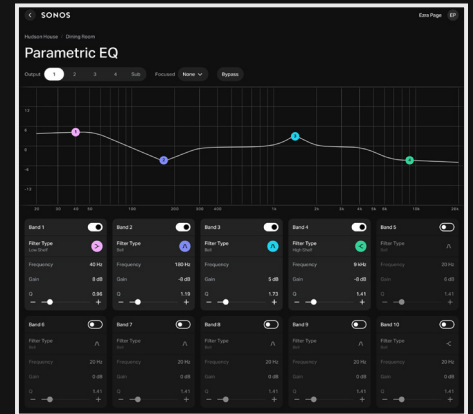
GaN is a game-changer in power electronics, offering faster, more efficient transistors than traditional silicon. This leads to significant energy savings and much lower heat generation without compromising power. Consequently, Amp Multi features a compact, entirely fanless, convection-cooled design that consumes less than 5.5W of power at idle (with WiFi disabled).

PFFB delivers outstanding audio quality through real-time signal correction. By continuously monitoring the output signal against the input, it enhances clarity, precision, and control. This reduces distortion and ensures consistent results across varying speaker loads.

# Optimized for success

## ProTune manual sound controls

Amp Multi gives installers complete control over the sound in every zone. Each output can be independently tuned using a comprehensive 10-band parametric EQ, allowing precise adjustment of gain, frequency, and bandwidth along with input gain and delay offset. This level of granularity lets professionals fine-tune systems to suit any speaker, placement, or acoustic environment — ensuring the best possible audio performance in every room. Whether compensating for reflective surfaces, tight corners, or asymmetrical layouts, the built-in tools provide the flexibility and control needed for truly bespoke installations, no matter the brand of loudspeaker or room type.



## Optimize Sonos Speakers

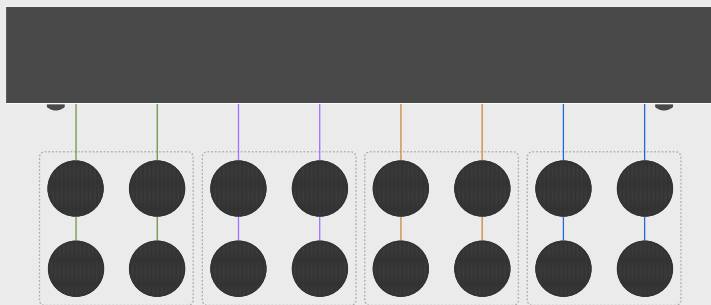
When paired with Sonos Architectural speakers, Amp Multi unlocks an advanced optimization feature. The amplifier detects connected Sonos speakers and automatically applies custom EQ profiles, limiter settings, and DSP tuning to maximize performance and protect the system. This ensures rich, balanced audio with smooth dynamics across the frequency range. The Optimize Sonos Speakers feature enables Amp Multi to safely drive loads down to 2.67 ohms, allowing up to three speakers per output channel. That means a single unit can power up to 24 speakers — perfect for large, distributed installations. It's a smarter, more efficient way to deliver consistent, high-quality sound at scale.

## Amp Multi Rack Mount (sold separately)

The innovative Rack Mount is an elegant solution that streamlines installations. Its revolutionary design maximizes rack density and ensures optimal airflow by creating space above and below each unit, eliminating the need for additional vent panels.

Amp Multi's flat back design and recessed connectors make adding the rack mount easy and streamlines cable management. By standing the unit on its back, the Rack Mount simply slides over the front of the device for installation into a standard 19-inch rack. The entire operation uses just eight screws. It's an effective, quiet, and space-efficient solution that simplifies every stage of the install.





## Multi-zone audio all from one point

Configure up to four fully independent zones with powerful, streamlined control from a single Amp Multi.

## Streamlined setup

Setting up Amp Multi is fast, intuitive, and completely app-driven. Using the Sonos app, installers can configure zones, assign outputs, manage sources, and view system status — all from one place.

Each unit emits an audible chirp for quick identification in the app, removing the need for manual PIN entry. Front and rear LEDs clearly indicate setup mode, providing real-time visual feedback throughout installation. With ambient light sensing and intuitive fault diagnostics, Amp Multi simplifies even complex multi-zone projects.

Combined with the Sonos app's powerful control interface, it saves time and delivers a truly seamless setup experience.

- Audible ID chirp — no PIN needed
- LED indicators with ambient light sensing
- Automatic speaker detection and presence monitoring
- WiFi 6 and Ethernet for robust connectivity

## Flexible connections

Each Amp Multi includes two external inputs, assignable to any zone. A dedicated subwoofer output allows easy integration of a powered sub, or assign a wireless Sonos Sub to each zone for clean bass delivery.

## Seamless integrations

Amp Multi integrates seamlessly with popular smart home systems including Control4, Crestron, URC, RTI, and Nice. Whether part of a full home automation setup or a standalone audio solution, it fits right in.



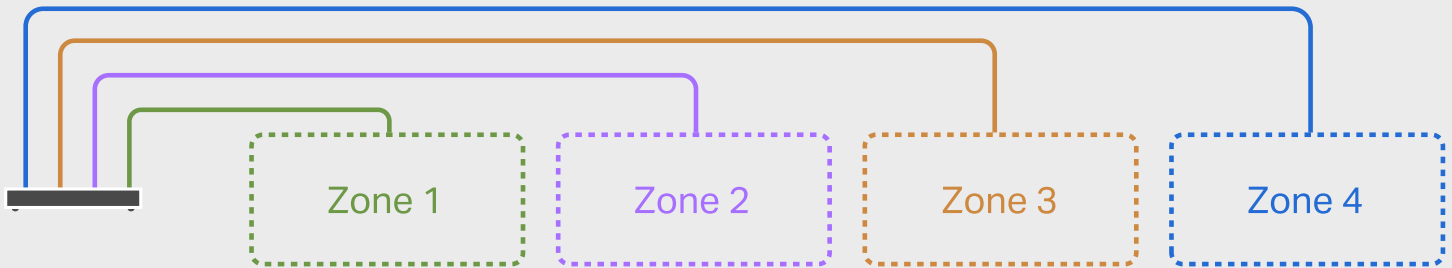


# Working with zones



## Amp Multi is built for multi-room installations

Each Amp Multi can use its eight outputs to drive up to 24 passive loudspeakers.

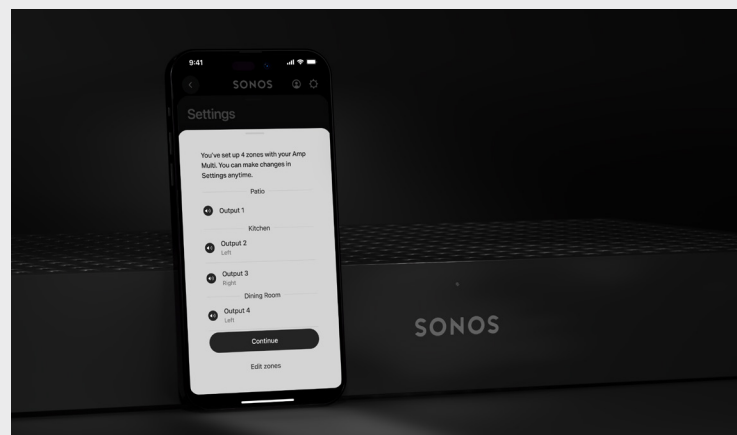


Deliver sound for up to 4 zones from one Amp Multi.

## Zone configuration made easy

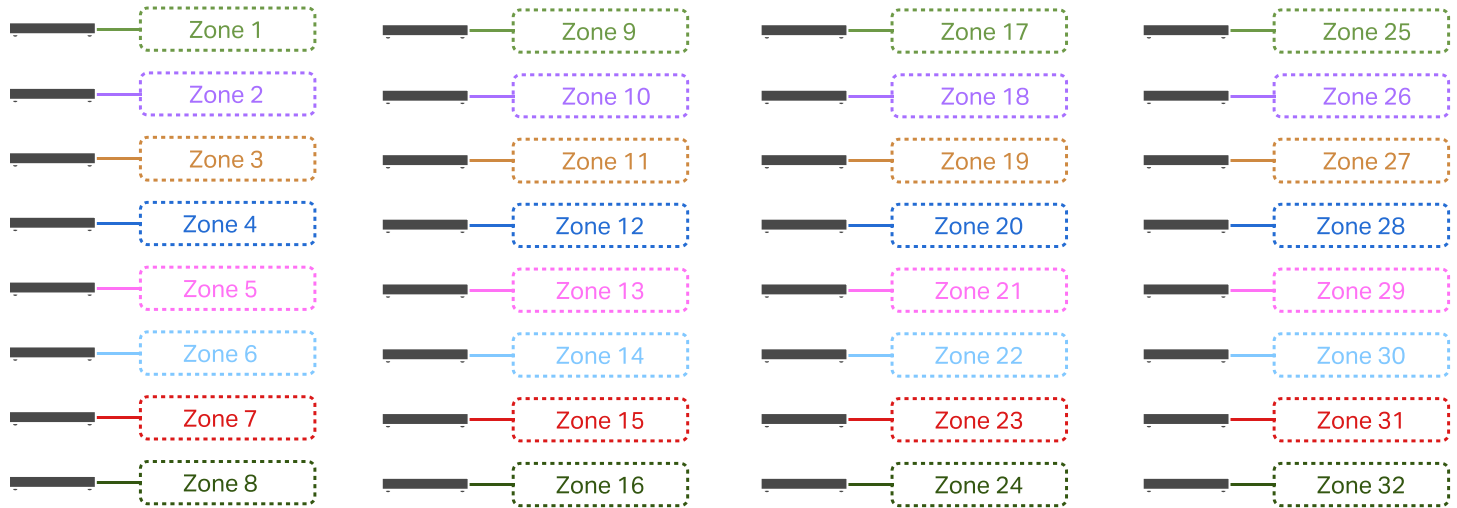
Assign any combination of the eight outputs to up to four zones, all from the Sonos app. Add more Amp Multi units to expand the system.

- Flexible channel-to-zone assignment
- Four native Sonos streams per unit
- Instantly configure zones
- Works with Apple AirPlay 2 and Spotify Connect

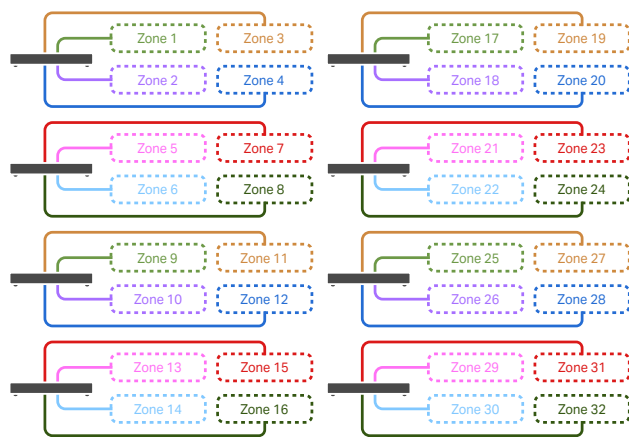


## Larger systems

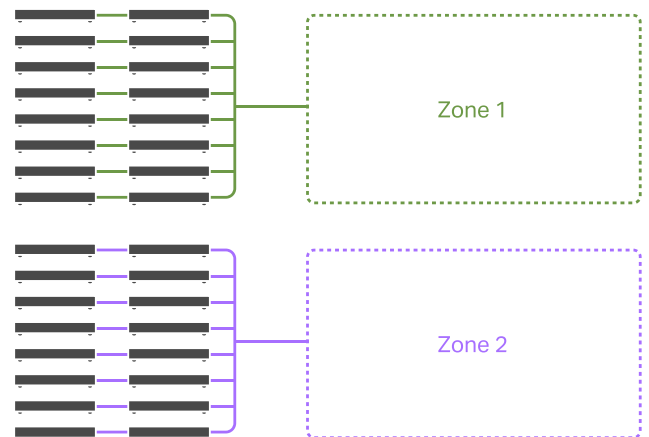
You can stream to up to 32 audio zones within a Sonos system, and Amp Multi is built to scale that flexibility into large installations. Integrators can configure systems in multiple ways: deploy up to 32 units with one zone each, run up to eight units with four zones each, or combine devices within a single zone — up to 16 units per zone, for maximum power and coverage.



32 Amp Multi serving one zone each.



8 Amp Multi each serving 4 zones.



Use up to 32 Amp Multi in any system.  
Maximum 16 per zone when connected using Ethernet.

## Zone-compatible products

You can add the following devices to any zone with Amp Multi:

- Era 100 Pro
- Era 100
- Era 300\*
- Sonos Sub\*\*
- Sonos One SL
- Sonos One (all generations)
- Sonos 5

\*Era 300 works as a stereo speaker when placed into a zone

\*\*One Sonos Sub per zone when using a single Amp Multi for that zone

## Understanding zones

- Up to 32 zones in total
- Up to 4 zones per Amp Multi
- Up to 32 Amp Multi in a system
- Up to 16 Amp Multi in one zone

# Using subwoofers

Amp Multi has a dedicated line level subwoofer output. This can be assigned to any one of the four zones.

## Using wireless subs with zones

Amp Multi lets you use up to four subs in total, one per zone. You can use Sonos wireless subs in any zone, and the single wired sub output can be assigned to one zone of your choice in place of a wireless sub.



## Amp Multi

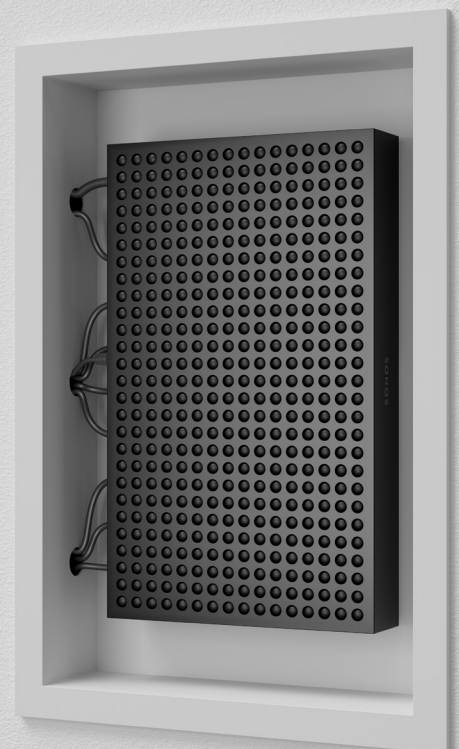
- 8 amplified outputs, each configurable mono or stereo
- FTC Power Output Rating: 125W per channel @8 $\Omega$  (all channels driven)
- Minimum Impedance: 2.67 $\Omega$  with Sonos Architectural speakers
- Frequency Response:  $\pm 0.5$  dB, 15 Hz - 20 kHz
- ProTune: 10-band parametric, gain and delay
- Optimize Sonos Speakers
- Connectivity: RJ45 Ethernet port: 100Base-T, WiFi 6
- Power: 100-240V 50/60Hz internal power supply xA
- Audio inputs: 2 x RCA inputs — 10dB, USB-C digital audio input
- 8 custom banana plug outputs, swappable with standard models
- Sub bass output: 1 x RCA output — 10dB (configurable to output from one zone)

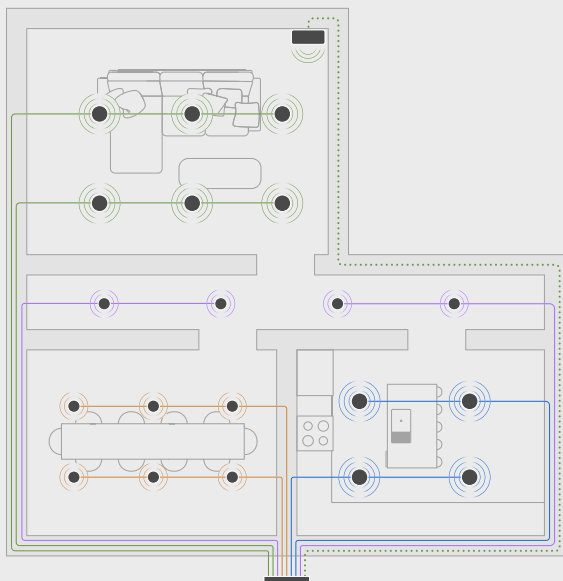
### Unit on its own:

- Height: 2.52 in / 64 mm
- Width: 17.20 in / 436 mm
- Depth: 10.44 in / 265 mm
- Weight: 11.17 lb / 5.06 kg

### Including optional 2U rack mount unit:

- Height: 3.48 in / 88.3 mm
- Width: 19.02 in / 483 mm
- Depth: 10.44 in / 265 mm
- Weight: 12.68 lb / 5.74 kg











## Multiroom music

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

Sample system:

Zone 1 Zone 2 Zone 3 Zone 4







-  Amp Multi
-  Wired Subwoofer
-  In-Ceiling Speaker 8"
-  Active Sub Cable
-  In-Ceiling Speaker 6"
-  Speaker Cable

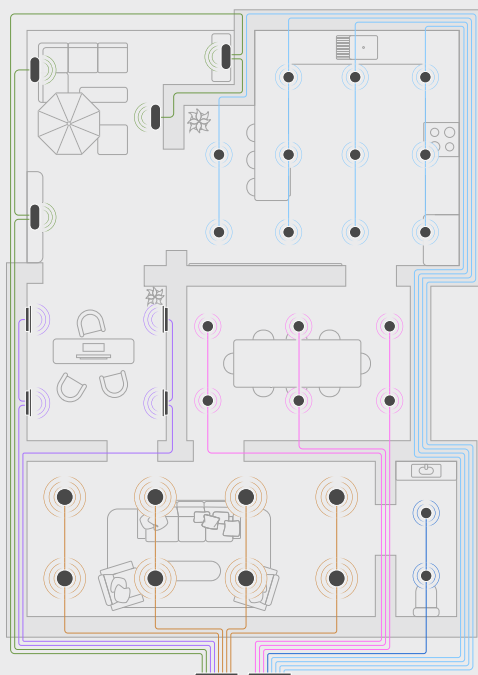
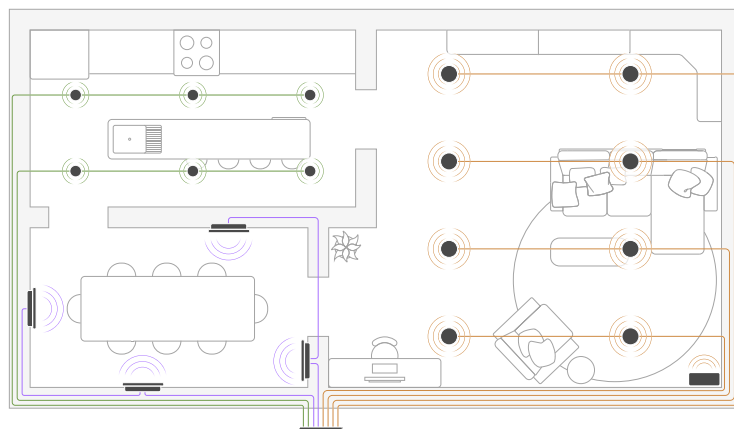
## Flexible, assignable outputs

For larger spaces, assign the number of outputs you need for each zone.

Sample system:

Zone 1 Zone 2 Zone 3

-  Amp Multi
-  Sonos Sub
-  In-Ceiling Speaker 8"
-  In-Wall Speaker
-  In-Ceiling Speaker 6"
-  Speaker Cable









## Scale for any project

Whatever the space, Amp Multi can deliver. Combine multiple units for more zones and more outputs.

Sample system:

Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6

-  Amp Multi
-  Outdoor Speaker
-  In-Ceiling Speaker 8"
-  In-Wall Speaker
-  In-Ceiling Speaker 6"
-  Speaker Cable

# Responsible by design

## Sustainable, reliable, and built to last

Like all Sonos products, Amp Multi is engineered for longevity. From sustainable materials to a serviceable design, it's a smarter choice for the planet, for professionals, and for clients.

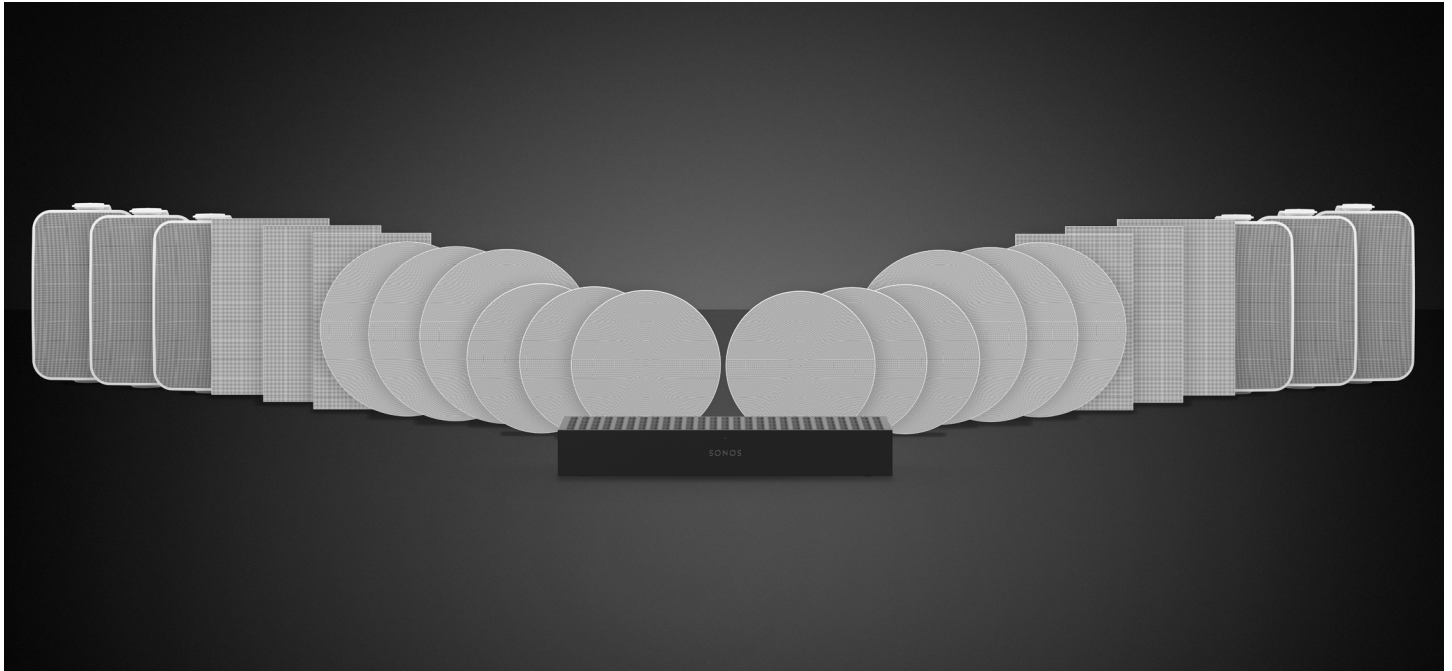
- 47% recycled plastic
- 100% recyclable packaging
- GaN efficiency reduces energy use and heat
- Designed for longevity and serviceability

## The new standard for distributed audio

Amp Multi replaces multiple Amps with a single, powerful, rack-friendly unit. It gives pros the flexibility they need and clients the experience they expect. Amp Multi makes it easy to deliver better sound, faster.

## Sonos for professionals

With over two decades of innovation in wireless sound systems, Sonos offers complete, scalable solutions for every space. From smart speakers to architectural sound to custom CI equipment like Amp Multi, Sonos is your partner in premium, connected sound.



# SONOS

Visit **sonos.com** for more information  
or to find an authorized installer.