

STEWART AUDIO



Stewart Audio|PowerCore™

DPA-220+

DESCRIPTION

The DPA-220+ is the flagship product from Stewart Audio's new Amp|Anywhere™ series of power dongles, is a small but extremely capable Dante™ enabled PoE amplifier. This high-performance audio amplifier features stereo outputs capable of delivering up to 20W into a pair of 4Ω speakers or 40W in a single 4Ω speaker. The DPA-220+ is a PoE++ (802.3bt, Type 3) power device and does not need an external power supply. Connection for an external 12-48VDC power supply is provided if non-PoE operation is preferred or if redundancy is required.

A rich suite of Digital Signal Processing (DSP) for the audio path is included, such as: volume control, equalization, mixing, limiting, compression, and other advanced processing algorithms. The DPA-220+ also integrates speaker health monitoring which tracks and reports the voltage and current delivered to the attached loads in real-time. The amplifier is playback-ready out of the box in a simple audio pass-through mode. Advanced control and configuration of the product can be accomplished via its local web interface or by leveraging Stewart Audio's Remote Communication Interface (SARCI) API as part of a custom integration.

The Amp|Anywhere™ philosophy for PoE Amplifier Devices is that a powered speaker can be placed anywhere there is an ethernet drop available. The possibilities are endless!

TECHNICAL FEATURES

PoE++ (802.3bt, Type 3) Power Device

Dante™ or AES67 Compatibility

24-bit Audio at 48kHz Sample Rate 2x20W / 1x40W

Output Power (4Ω, ≤0.1% THD+N) Noise Floor:
≤75uVrms (A-Weighted)

Total Harmonic Distortion + Noise:
≤0.09% (1W, 4Ω, 20-20kHz)

Graphical User Interface (GUI) via
Local Web Interface

Custom Integration via SARCI API

Dimensions: 131mm x 46mm x 39mm

APPLICATIONS

Public & Government Buildings

Sound masking and background music for
Co-working Spaces

Classrooms & Higher Educational Institutions

Paging and background music in

Paging and background music in Food-Services
& Entertainment venues

Pop-Up events at Schools, Coffee Shops &
Houses of Worship

