

DSA500X4 & DSA750X4

Four Channel WIFI DSP Amplifiers



The Danley DSA is a series of multi-purpose installation amplifiers. The amplifiers have built in Wireless-Access-Point (WAP) for the simple connection and configuration via WiFi.



DSP - full matrix DSP embedded and controlled via TCP/IP

Targeted Constant Voltage - Optimal hybrid of Low and High Z performance

Primary/Clone Functionality - S/PDIF linking to multiple amps

Certified - Safety and EMC. Compliant to ErP & EnergySTAR*

Market Proven Reliability - Based on Pascal amplifier technology.

APPLICATIONS

Bars & Cafes

The combination of small size and high power per channel flexibility makes DSA Series especially good for installing in Bars, Cafés, and restaurants. Easy to set up system with 2-4 channels in either Hi-Z or Low-Z and power to cover any room size.

Restaurants

Restaurant's use sound as part of the dining experience, and many have dynamic needs for the sound level. Some have bar areas where they need more sound pressure, and then have cosy eating areas where they need less. DSA is ideal - as it delivers the power required, with 2-4 channels in Hi-Z or Low-Z to cover any room size.

Retail Stores

Retail stores have background sound (or sound branding) where music is matched to the profile of store. This leads to a wide range of sound demand - a furniture store with cool background sound, a stylish clothes shop with medium pressure or a trendy juice bar with need for more power! DSA fits all these needs as the required power can be utilized where needed - with both Hi-Z and Low-Z simultaneously.

Fitness Centres

Fitness locations demand excellent sound with great system flexibility. Background tracks play in a gym & workout area, soft sounds in yoga classes - then heart racing power in the spinning & CrossFit classes!

Hotels & Education Sites

For hotels and education sites that have auditoriums, theatres, large dining spaces, and multiple large meeting rooms - complete flexibility of available power is needed.

Corporate

The corporate space has many different applications. Open office spaces, sound for board & conference rooms, meeting areas of any size; plus warehouses, cafeteria & break areas. DSA in an ideal choice as one amplifier can cover all these needs.

House of Worship

House of Worship needs reliable, high-quality amplification of voice, and music reproduction. DSA is perfect for house of worship sites - due to the high quality of amplification at medium power levels, delivering superior speech intelligibility.

Rev. 2023.02.15

DSA500X4 & DSA750X4

Four Channel WIFI DSP Amplifiers



Model	DSA500X4	DSA750X4
Channels	4 x Lo-Z/2 x Hi-Z	4 x Lo-Z/2 x Hi-Z
Output Power @ 2Ω	4 x 500 W (SE)	4 x 750 W (SE)
Output Power @ 4Ω	4 x 500 W (SE) 2 x 1000 W (BTL)	4 x 750 W (SE) 2 x 1500 W (BTL)
Output Power @ 8Ω	4 x 250 W (SE) 2 x 1000 W (BTL)	4 x 400 W (SE) 2 x 1500 W (BTL)
Output Power @ 70V	2 x 1000 W (BTL)	2 x 1200 W (BTL)
Output Power @ 100V	2 x 1000 W (BTL)	2 x 1500 W (BTL)
Total System Power	2000 W	3000 W
Power Consumption	700 W	700 W
Output Voltage	65 Vp / 130 Vpp (SE unloaded) 130 Vp / 260 Vpp (BTL unloaded)	80 Vp / 160 Vpp (SE unloaded) 160 Vp / 320 Vpp (BTL unloaded)
Weight	16.31 lbs 7.4 kg	16.31 lbs 7.4 kg

Dimensions	88 x 440 x 332 mm (3.5 x 17.3 x 13.1 in)
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion
Signal To Noise-Ratio	>108 dB (A-weighted, 20 Hz-20 kHz, 8 Ω load)
THD+N (typical)	< 0.05 % (20 Hz-20 kHz, 8 Ω load, 3 dB below rated power)
Frequency Response	20 Hz-20 kHz (+0/-0.5 dB (8 Ω load, 3 dB below rated power)
Protection Circuits	Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter
Operating temperature	0-40° C
Operating Voltage/ Frequency	Universal Mains, 100 V-240 V, 50 Hz-60 Hz
Standby Consumption	<0.5 W
Accessories	2x rack ears, 4 x adhesive feet
Power Ratings	1 % THD @ 120 Vac and 230 Vac

*SE - conventional, single ended output mode

**BTL - bridge-tied load output mode

Rev. 2023.02.15