

# DSP Series

## DSP-Enabled Amplifiers

The DSP100 is an affordable amplifier with fully integrated DSP designed to optimize the speakers and acoustical limitations of a zone. The DSP100 comes in three versions, a 1x100W 70/100V, 2x100W 70/100V, and 2x100W at 4/8 Ohms. Each is available with a Dante™ network option. The robust, full function DSP includes 3 gain stages, filtering, compressors, limiters, parametric EQ and more. A USB port makes programming simple, fast and repeatable for large installations. The optional factory installed Dante™ card allow for up to 2 channels of networked audio to be routed to the amplifier and through the DSP. You won't find a more cost effective way to bring outstanding sound quality to zone on the market today.

### DSP100-1-CV

### DSP100-2-CV

### DSP100-2-LZ

100W x 1 @ 70V/100V  
100W x 2 @ 70V/100V  
100W x 2 @ 4/8 ohms

#### Features:

- Onboard full featured DSP
- Configurable via USB port
- Dante™ interface available
- 1/2 rack chassis & convection cooled
- Remote Volume Control
- Made in the USA

#### Applications:

- Network Audio
- Hospitality Installations
- Board Rooms
- Classrooms
- Conference Rooms
- Houses of Worship
- Remote locations
- Distributed or centralized venues



DSP100-2-CV

**STEWART AUDIO**  
The Difference is Hear

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# DSP100 Series

DSP100-1 100W x 1 @ 70V/100V  
 DSP100-2 100W x 2 @ 70V/100V  
 DSP100-2 100W x 2 @4/8 Ohms

Output Power -----	■
DSP100-1-CV -----	■ 100W x 1 @ 70V / 100V
DSP100-2-CV -----	■ 100W x 2 @ 70V / 100V
DSP100-2-LZ -----	■ 100W x 2 @ 4/8 Ohms
Frequency Response -----	■ 100 Hz - 20kHz
THD+N -----	■ <0.1% @ Full Power
Signal-to-Noise Ratio -----	■ >100dB
Input Sensitivity -----	■ 1V (0 dBV)
Input impedance (Balanced/Unbalanced) -----	■ 7.2K Ohms/3.6K Ohms
Power Consumption - Idle, 1/8 Power-----	■ 12W/65W (Varies by model)
Amplifier Class -----	■ D
Remote Volume -----	■ 0-10VDC
External Mute -----	■ Contact-Closure
Input Connectors -----	■ 3.5mm Euroblock and RCA
Output Connectors -----	■ 5mm Euroblock
LED Indicators -----	■ Power, Standby, Signal, and Clip
Controls -----	■ USB for programming, Remote Volume, Trim
Optional Network Input -----	■ Dante™
Power Supply Input -----	■ 110/240 VAC 50/60Hz (Universal Input)
Cooling -----	■ Convection-Cooling (No Fans)
Construction -----	■ Aluminum Chassis
Mounting -----	■ Rack-Mountable
Dimensions (height, width, depth) -----	■ 1.7"H x 8.4"W x 10.7"D
Weight -----	■ 4.5lbs max (varies by model)
Warranty -----	■ 3 years

