

# 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                                  |

