

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

14335 Cuesta Court Ste C • Sonora Ca 95370 • TEL: 209.588.8111 • www.stewartaudio.com

DSP100 Series

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

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|---|--|
| 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 |

