DSP Series
DSP-Enabled Amplifiers

The DSP100 is an affordable amplifier with fully integrated DSP designed 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 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 programing 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 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

STEWARTAUDIO
The Difference is Hear

DSP100 Series

DSP100-1   100W x 1 @ 70V/100V
DSP100-2   100W x 2 @ 70V/100V

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 Ohms
Frequency Response	100 Hz - 20kHz
THD+N	<.1% @ Full Power
Signal-to-Noise Ratio	>100dB
Input Sensitivity	1V (0 dBV)
Input impedance (Balanced/Unbalanced)	7.2K Ohms/3.6K Ohms
Current Draw - Standby, 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 Knobs
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

LOCAL INPUT 1 / NETWORK INPUT 1 → Adjustable Pregain → EQ 3 Blocks → Compressor → Gain → Matrix Mixer → Trim → EQ 6 Blocks → Limiter → Gain → LOCAL OUTPUT 1

LOCAL INPUT 2 / NETWORK INPUT 2 → Adjustable Pregain → EQ 3 Blocks → Compressor → Gain → Matrix Mixer → Trim → EQ 6 Blocks → Limiter → Gain → LOCAL OUTPUT 2

Sine Wave → Matrix Mixer
Pink Noise → Matrix Mixer

EQ Blocks
High Pass (1st/2nd Order)
Low Pass (1st/2nd Order)
Low Shelf
High Shelf
Peak (PEQ)
Notch

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