



## DA-70 Series Power Amplifiers

DA70 - 2  
DA70 - 2 - PFC  
DA70 - 4  
DA70 - 4 - PFC

# Digital Power Amplifiers

### Power Specifications:

**DA70-2 / DA70-2-PFC**  
70W x 2 @ 4 Ohms  
35W x 2 @ 8 Ohms

**DA70-4 / DA70-4-PFC**  
70W x 4 @ 4 Ohms  
35W x 4 @ 8 Ohms



### **Features:**

- Ultra Efficient All Digital Design
- Switch Mode Power Supply
- Power Factor Corrected Models Available
- Convection Cooled (No Fans)
- Very Low Power Consumption
- Multi-Channel Compact Half Rack Package
- Optimized to drive both 4 & 8 Ohm loads
- World Class Reliability
- Rack Mount Up to 8 CH in 1U rack space.
- 3 Years Parts and Labor Warranty

### **Applications:**

- Audio Video Production
- Pre/Post Productions
- Project Studios
- Room Combining
- Broadcast Applications
- Board Rooms
- Sound Reinforcement
- Fixed Installations with Amplifiers located in Listening Environment

### **Product Description:**

Stewart Audio's Compact Series Power Amplifiers are designed to meet the needs for high quality Commercial, Industrial and Professional Audio sound installations.

The All Digital Compact Series was specifically designed to meet the rigorous requirements of Sonic Accuracy, High Efficiency, Low Power consumption and extended duty cycles in a very compact Half Rack Package. Two units (up to 8 channels) may be rack mounted in a 1U package.

The Stewart Audio Inc. DA70 Series Power Amplifiers are manufactured to ISO 9002 standards.

# DA70 Series 2 & 4 Channel Power Amplifiers

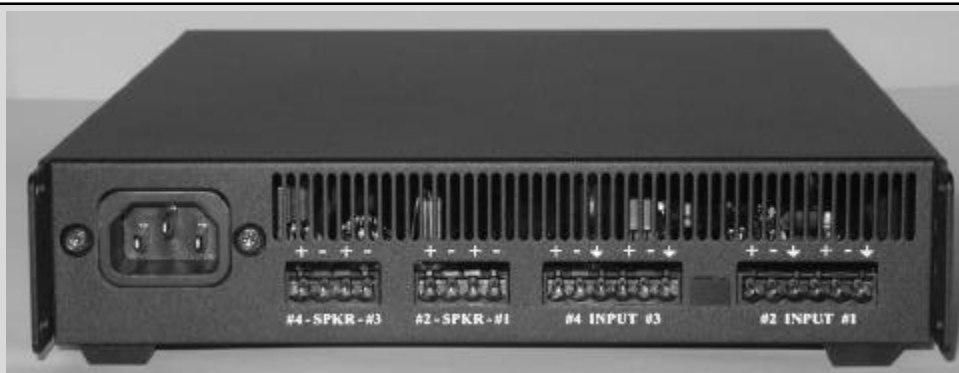
## Architect's & Engineering Specifications

The power amplifier shall consist of 2 or 4 channels and shall deliver a minimum of 35W at 8 Ohms and 70W at 4 Ohms both/ all channels driven, 20 Hz—20 kHz, < .2% THD. The amplifier shall be convection cooled with no fan required. Amplifiers using fan cooling will not be accepted. The amplifier shall have circuitry to protect itself and the speaker loads from output short circuits, DC voltage on the outputs, and thermal overload. The amplifier shall have a voltage gain of 17X (25dB) and an input Sensitivity of 1V for rated power at 4 Ohm output. The hum and noise level shall be greater than 85 dB below rated output "A" weighted. The amplifier shall utilize Damped Ternary Modulation Digital Output Topology and have a high-speed Switch Mode Power Supply. Low efficiency Analog output designs and Non Switch Mode Power Supplies will not be accepted. The frequency response shall be greater than 20Hz to 20 kHz +0, - 0.3dB at 1W. The amplifier shall operate on 120VAC\*. The front panel shall contain, for each channel, a detented level control, LED indicators for Clip, and Power. The power switch shall be a power supply enable switch. The Rear panel shall have a detachable AC line cord and Phoenix type input and output terminals. The DA70-2 shall weigh 3 lbs (1.6kg) and the DA70-4 shall weigh 3.4 lbs (1 kg) Both models shall be 1.75" (4.6 cm) high, 8.26" (21 cm) wide, and 10.6" (27cm) deep. The amplifier shall be designated the Stewart Audio Model DA70-2 or DA70-4. Power Factor Corrected models shall be designated as DA70-2-PFC or DA70-4-PFC.

\*PFC Models 90VAC to 240VAC

## SPECIFICATIONS

8 Ohm Stereo Power	35 Watts/Ch
4 Ohm Stereo Power	70 Watts/Ch
Frequency Response (+0, -0.3 dB, 1W)	20 Hz—20 kHz
Full Power Bandwidth (20-Hz-20kHz)	± .5dB
Signal to Noise	>85dB
THD+N	< .2 %
Input Sensitivity	1V (0 dBV)
Standard Voltage Gain	17X (25dB)
Input impedance (Balanced / Unbalanced)	10k Ohms/5k Ohms
Class	Damped Ternary Modulation
Input Connectors	Phoenix Type
Output Connectors	Phoenix Type
Power Supply	High Speed Switching
Cooling	Convection—Cooling (No Fans)
Controls	Power on/off, Channel Gain
LED Indicators	Power & Clip
Construction	Steel & Aluminum Chassis
Operating Voltage	Non-PFC units 120VAC PFC units 90VAC-240VAC
Dimensions (height, width, depth)	1.75"H x 8.26"W x 10.6"D
Max Weight	3.4 lbs(1.54kg)
Warranty	3 years Parts & Labor



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