DA Compact Series
Digital Power Amplifier

DA770-2
80W x 2 @ 70.7 Volts

The DA-770-2 Series Professional Power Amplifier uses a high speed switching power supply and Class "T" output topology. The amplifier delivers over 80 Watts @ 70.7V of power per channel and is offered in a 2 channel configuration. This exceptional performance comes in a very compact package weighing a mere 2.9 lbs and occupying an one-half standard rack space. Two units (up to 4 channels) may be rack mounted in a 1U package.
The DA-770-2 Series Amplifiers are convection cooled making them extremely quiet so the only sound you will hear are the ones you make. 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.

Features:
- Ultra Efficient All Digital Design
- Switch Mode Power Supply
- Remote Turn On/Off
- Convection Cooled (No Fan)
- Very Low Power consumption
- Multi-Channel Compact 1/2 Package
- Optimized To Drive 70.7V Loads
- Rack Mount Up To 4 CH In 1U Rack Space
- Made In The USA

Applications:
- Retail/Office Music Systems
- Foreground Music Systems
- Music & Page Systems
- Room Combining
- Boardrooms
- Class Rooms, Training Rooms
- Sound Reinforcement
- Fixed installations with amplifiers located in listening environment

STEWARTAUDIO
The Difference is Hear

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80W x 2 @ 70.7 Volts

Specifications

70.7V x 2 Power	80 Watts/Ch
Frequency Response (+0, –0.3 dB, 1W)	32 Hz—20 kHz (Hi-pass filter bypassed)
Full Power Bandwidth (32-Hz-20kHz)	± .5dB (Hi-pass filter bypassed)
Signal to Noise	>80dB
THD+N	< .1 %
Input Sensitivity	1V (0 dBV)
Standard Voltage Gain	71X (37dB)
Input impedance (Balanced / Unbalanced)	10k Ohms/5k Ohms
Class	D
Input Connectors	Phoenix Type (3 Pin)
Output Connectors	Phoenix Type (2 Pin)
Remote On/Off Connector	Phoenix Type (2 Pin)
Power Supply	High Speed Switching
Cooling	Convection–Cooling (No fan)
Front Panel Controls	Power on/off
Rear Panel Controls	Channel Gain, HP filter (CH 1&2)
Hi-Pass Filter	Selectable 32,68,500 Hz (CH 1&2)
LED Indicators	Power, Signal Present & Clip
Construction	Steel & Aluminum Chassis
Operating Voltage	120VAC
Dimensions (height, width, depth)	1.75"H x 8.26"W x 10.6"D
Max Weight	2.9 lbs (1.32kg)
Warranty	3 years Parts & Labor

Architects & Engineering Specifications

The power amplifier shall consist of 2 channels and shall deliver a minimum of 80W at 70.7V both channels driven, 32 Hz—20 kHz, < .1% 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 71X (37dB) and an input Sensitivity of 1V for rated power at 4 Ohm output. The hum and noise level shall be greater than 80 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 32Hz to 20 kHz +0, – 0.3dB at 1W with hi-pass filter bypassed. The amplifier shall operate on 120VAC. The front panel shall contain, for each channel, a dual LED indicator for Signal Present and Clip. A separate Red LED shall indicate power on and extinguish to indicate power off. The power switch shall be a power supply enable switch. Remote power on/off shall be accomplished by applying 5 volts across terminals 1&2 of the remote on/off connector on the rear panel. The Rear panel shall have a detachable AC line cord, Phoenix type input, output and remote turn on/off terminals and individual channel gain controls. The DA770-2 shall weigh 3 lbs (1.6kg) and 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 DA770-2.

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