



# FI-AMP850DSP

4 channel DSP power amplifier, 4 x 850W @ 8Ω



The FI-AMP850DSP is a state of the art 4 channel Class D amplifier include comprehensive signal processing providing 850 Watts per channel at 8Ω. It provides 4 x front panel access volume control allowing zone level adjustments directly from the Amplifier. The FI-AMP850DSP is designed for use in a wide variety of installations: from a simple setup in a bar/ restaurant or a corporate meeting room to being a part of a larger audio system in a theater. Pairs of channels may be individually configured to run in Stereo, Parallel or Bridged mode

## Product Features

- Includes comprehensive signal processing
- Lightweight portable 1U ultra-thin design with 4 channels
- 850 Watts per channel at 8Ω
- Intuitive, user-friendly, front panel interface
- Four channel separate balanced line inputs by XLR Female
- Four Speakon (4 contacts) output connectors
- Very high power density in 1U rack height
- Four channel separate volume control
- Comprehensive protection and monitoring functions
- Four channel separate status indicators include signal, peak and protection
- Amplifier with delay start system, protect the speakers from shock and damage
- Class-D design for optimum efficiency
- Superior sound quality performance

## Product Applications

- From bars, restaurants, retail stores, church to corporate meeting rooms and auditoriums
- Sound reinforcement applications with mid power density and good sounding requirements
- Portable or rental industry PA system

## Technology

Class D technology greatly improves efficiency to over 60%. Higher efficiency not only means the amplifier will require less power to run, but will dissipate considerably less heat. As a result, the amplifier is much smaller in size, saving precious rack space in an installation. Lower heat dissipation also reduces stress put on each component part in the amplifier and will prolong product life of the amplifier



## Specification

Outputs	
@ 8Ω	4 x 800 W
@ 4Ω	4 x 1200 W
Bridge @ 8Ω	2X1500W
Other Parameters	
Working Voltage	90V-264V, 50-60Hz
Input sensitivity	0.775V\1V\1.44V
Gain Level	32dB\35dB\38dB(Switch Selectable)
Frequency response	20 Hz to 20 KHz (+/-0.5dB)@1W, 8Ω
THD + N	<0.08% from 0.1W to 1/2 power
DIM100	< 0.2% from 0.1W to 1/2 power
S/N Ratio	>100 dB (20Hz-20Khz, A weighted)
Channel separation	> -80dB @ 8 Ω / 1 KHz
Input impedance	4.5 KΩ (Bal.)
Protection	DC, Short circuit, Overheat, Soft start
Controls	
Front	On/ Off Switch, 4 x Volume Ctl.
Rear	Ground lift, Input link mode, Bridge mode (pair)
Input connectors	4 x XLR (Bal.)
Ouput connectors	4 x Speakon 4 contacts (1+/1- 2+/2-)
Dimension	483*290*44,45mm
Weight	6 Kg - 13.1 Lbs

