



# FI-AMP300DP

4x300W with DSP & Constant Voltage Professional Amplifier



The FI-AMP300DP Professional Amplifier with DSP and Constant Voltage is a cutting - edge audio tool crafted for large - scale commercial setups, public address systems, and high - end sound reinforcement projects.

It combines high - powered performance with digital signal processing and constant voltage capabilities, making it a perfect fit for a wide range of professional uses. Whether it's for a large - scale event or a permanent audio installation, it can meet the most demanding requirements.

## Product Features

- Features
  - High - Power Output: It can supply 300W per channel @ 8Ω loads and 450W per channel @ 4Ω loads. This ensures consistent and crystal - clear audio in big spaces such as stadiums, conference centers, and retail complexes.
- DSP - Driven Flexibility: Equipped with built - in digital signal processing, it allows real - time adjustment of EQ, crossovers, compression, and delay. It also comes with pre - set configurations for different environments, which simplifies the optimization process.
- Constant Voltage Compatibility: The 70V/100V mode is designed for long - distance speaker installations. It minimizes signal loss and guarantees uniform sound quality across distributed systems.
- Multi - mode Functionality: It can operate in stereo, bridge - mono, or parallel modes, providing great flexibility for various speaker arrangements.
- Advanced Protection: It has built - in safeguards against overheating, overloading, short - circuits, and DC signals, ensuring the safety of both the amplifier and the speakers.
- Ease of Use and Connectivity
  - It has an easy - to - use front program setting panel and master volume control knobs for straightforward monitoring.
  - It offers USB and Ethernet connectivity and Dante audio network enabling remote control and software - based configuration.

## Product Applications

- Public address systems in airports and shopping malls.
- Houses of worship and auditoriums.
- Background music setups in hotels and restaurants.
- Mobile sound systems for live events.

## Specification

Technical Specifications	
Inputs	2 independent audio channels(analogue), optional Dante 2 digital inputs
Outputs	Phoenix connectors and 70V/100V terminal blocks
Power Output	4x300W at 8Ω, 4x450W at 4Ω
Frequency Range	20Hz - 20kHz ±0.5dB
Gain	26dB
Signal/noise ratio	> 102dB/A
THD	< 0.05% typical < 0.01% 1Khz-6dB
Protective circuit	Soft start, over temperature, short circuit, DC
Power supply	90 ~ 264 AC / 50-60Hz
Power consumption	Standby mode < 5W, ideal mode < 18W, max loading(musical) < 450W
Cooling	Passive
Output power	4x300W / 2x100V output at 500W    2x300W / 1 x 100V output at 500W
Minimum impedance	4 Ohms
DSP processor	ADI audio DPS + ARM, 24bits, 96Khz, 2 inputs & 4 output
DSP PEQ	15 bands for input & output
DSP filters	Butterworth / Linkwitz-Riley / Bessel: -6dB, -12dB, -18dB, -24dB, -48dB
DSP limiting	RMS Compressor and peak stop for each output
DSP FIR	1024 taps for input & output
DSP route	Input matrix, amplifier mode (mono, bridge, stereo)
DPS noise gate	yes
Shipping dimension	550x272x90 mm
Net weight	3.6kg
Gross weight	4.6kg

