

FAD2402



2 x 240 Watt Commercial Amplifier with Direct Drive Technology, Dante Networking and Energy Star Certification

Product Features

- 2 x 240 Watt amplifier for commercial and industrial applications
- Low-Z (4/8 Ohm) and High-Z (70/100 V) operation per output with switchable high-pass filter
- Direct drive, constant power technology for superior audio performance and reliability
- Dante audio connectivity to enable creating large audio systems over a local network
- Energy Star certified design conserves energy and drastically reduces operational cost
- GPI remote volume control using standard RJ-45 connector and Ethernet cable
- Auto Ramp circuitry for quiet and fast power up/down enables real-world energy savings
- Tamperproof gain controls for each channel on rear panel location
- Rack-mountable 1U, half-rack width enclosure with joining brackets for rack, table and wall mounting
- Euroblock type amplifier output connectors
- Convection-cooled, fan-less amplifier technology for low noise
- Comprehensive fail safe circuit protection ensures continued operation



FAD2402

2 x 240 Watt dual-channel Amplifier provides the perfect solution for commercial and industrial applications requiring great sounding distributed audio coupled with power conservation and reduced operating expense. Capable of delivering high-quality sound over both Low-Z (4/8 Ohm) and High-Z (70/100 V) loudspeaker configurations offering extreme flexibility on every channel. FAD2402 is easy to install and operate – even for non-technical personnel. Simply put, the FAD2402 is ideal-suited for bars & restaurants, retail destinations, hotels, corporate, education or other venues needing background music and/or a public address system.

Dante * Audio Connectivity

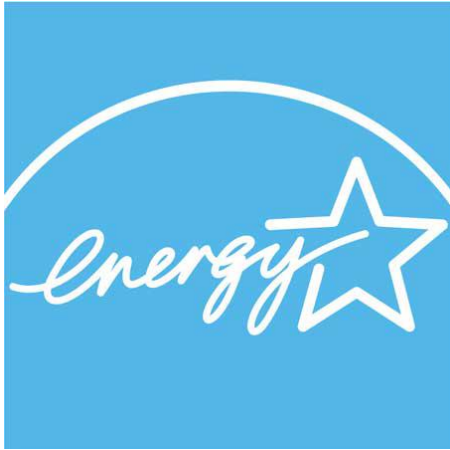
Dante replaces point-to-point analog and digital connections with a standard IP network that delivers completely lossless audio, massive channel counts and near infinite signal routing flexibility, all while being incredibly easy to deploy and use.

Dante Domain Manager is network management software that enables user authentication, role-based security and audit capabilities for Dante networks, while allowing seamless expansion of Dante systems over any network infrastructure.

The FAD2402 is DDM ready.

 **Dante**™
SPOKEN HERE





Energy Star * Certified

Not only does FAD2402's direct drive constant power technology provide superior audio performance and reliability, it also consumes less mains power than competing models, which has earned it Energy Star * certification.

This amazing technology makes it possible to design and build powerful amplifier systems that not only save money on the electrical bill, but also reduce the requirements and cost at the installation for the mains supply. In fact, it is likely that installation can be done utilizing the in-place mains infrastructure. This adds up to significant installation and operational savings and protects the environment.

Specification

Maximum Output Power

| | |
|-----------------------------|-------|
| 4 or 8 Ω per channel | 240 W |
|-----------------------------|-------|

Number of Output Channels

| | |
|--------|---|
| Number | 2 |
|--------|---|

Minimum Load Impedance

| | |
|-------------------|-------------|
| 4 Ω mode | 4 Ω |
| 8 Ω mode | 8 Ω |
| 70 V output mode | 41 Ω |
| 100 V output mode | 82 Ω |

Controls

| | |
|-------|------------------------------------------------------------------------------------------------------------|
| Front | N/A |
| Rear | Gain control, load config (4 Ω / 8 Ω / 70 V / 100 V), high-pass filter switch, reset button) |

Indicators

| | |
|---------------------------------|---------------------------------------|
| Front | |
| Power | On (blue), standby (yellow) |
| Limit (red LED), per channel | -1.5 dBFS (digital) |
| Signal (green LED), per channel | > -63 dBFS (digital) |
| Fault (red LED) | Overheat, DC fault, over current etc |
| Rear | |
| Dante | Identify (yellow), clock sync (white) |

System

| | |
|-------------------------|-----------------------------------------------------------------|
| Input transmission type | Dante, 2 channels Rx |
| Input connectivity | 1 x RJ45 Ethernet connector, 1-port 100 Mbps to Dante interface |
| Input sensitivity | -2 dBFS (digital) |
| Maximum input level | 0 dBFS (digital) |
| Outputs connectivity | 1 x 4-pin 5.08 mm Euroblock connector |
| Output circuit type | Class D |
| Remote connector | 2 x RJ45 Ethernet connector |

Performance

| | |
|-----------------------------|-----------------------------|
| Distortion, 1/8 rated power | <0.1% |
| Frequency response | 20 Hz to 20 kHz, +0/-1.5 dB |
| Crosstalk | >72 dB |
| Signal-to-noise | >101 dBA |
| High-pass filter | 80 Hz HPF |

Circuit Protection

| | |
|----------------------|---------------------------------------------------------------------------------------|
| Cooling | Convection-cooled, fanless |
| Amplifier protection | Thermal protection, over current protection, DC protection, high frequency protection |
| Load protection | Controlled start and shutdown behaviour, DC-fault protection |

Power Supply, Voltage (Fuse)

| | |
|--------------------------------------------------|----------------------------------------------------------|
| Main voltage | 100-240 V~, 50/60 Hz with active power factor correction |
| Power consumption 1/8th rated power @ 4 Ω | 120 W |
| Mains connector | Standard IEC connector |

Dimensions / Weight

| | |
|------------------------|-------------------------------------------------------------------------|
| Dimensions (H x W x D) | 44 x 218 x 280 mm (1.7 x 8.6 x 11") |
| Weight | 2.6 kg (5.7 lbs) |
| Finish | Brushed black anodized aluminum chassis with black painted steel bottom |
| Approvals | CE, WEEE, cTUVus, PSE, RCM, RoHS, FCC part 15 Class B, Energy Star 3.0 |
