

CA2401



240 Watt Commercial Amplifier with Energy Star Certification Product Features

- 240 Watt amplifier for commercial and industrial applications
- Low-Z (4/8 Ohm) and High-Z (70/100 V) operation with switchable high-pass filter
- Energy Star certified design conserves energy and drastically reduces operational cost
- Direct drive, constant power technology for superior audio performance and reliability
- GPI remote volume control using standard RJ-45 connector and Ethernet cable
- Individual front panel master volume and bass/treble controls
- Auto Ramp circuitry for quiet and fast power up/down enables real-world energy savings
- Front panel power control button for direct access
- Rack-mountable 1U, half-rack width enclosure with joining brackets for rack, table and wall mounting
- Euroblock type amplifier input and output connectors
- Convection-cooled, fan-less amplifier technology for low noise

LAB.GRUPPEN



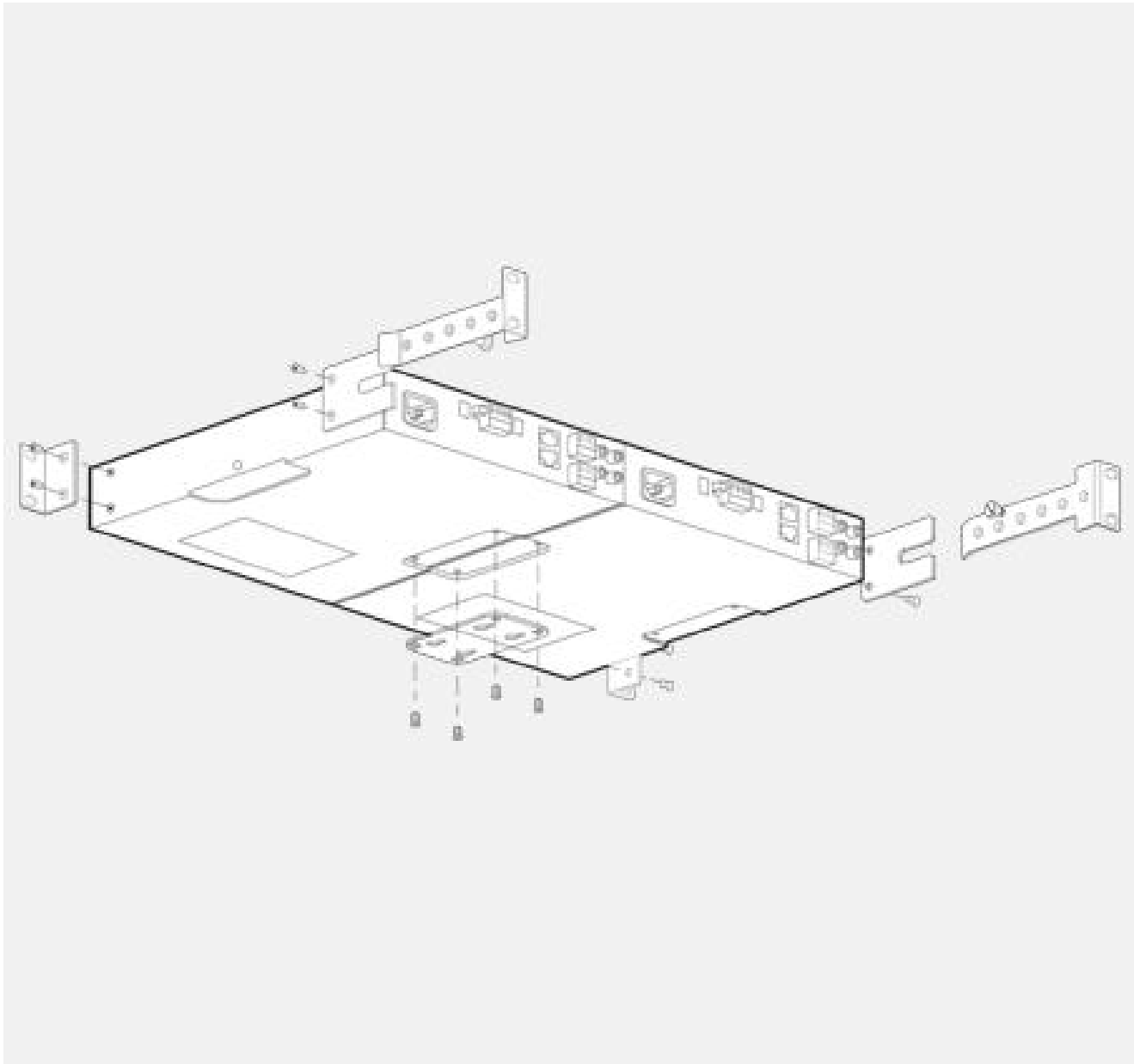
Commercial Install Series CA2401

CA2401: 240 Watt Commercial 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. CA2401 is easy to install and operate – even for non-technical personnel. Simply put, the CA2401 is ideal-suited for bars & restaurants, retail destinations, hotels, corporate, education or other venues needing background music and/or a public address system.



Energy Star Certified

Not only does CA2401'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 utilising the in-place mains infrastructure. This adds up to significant installation and operational savings and protects the environment.



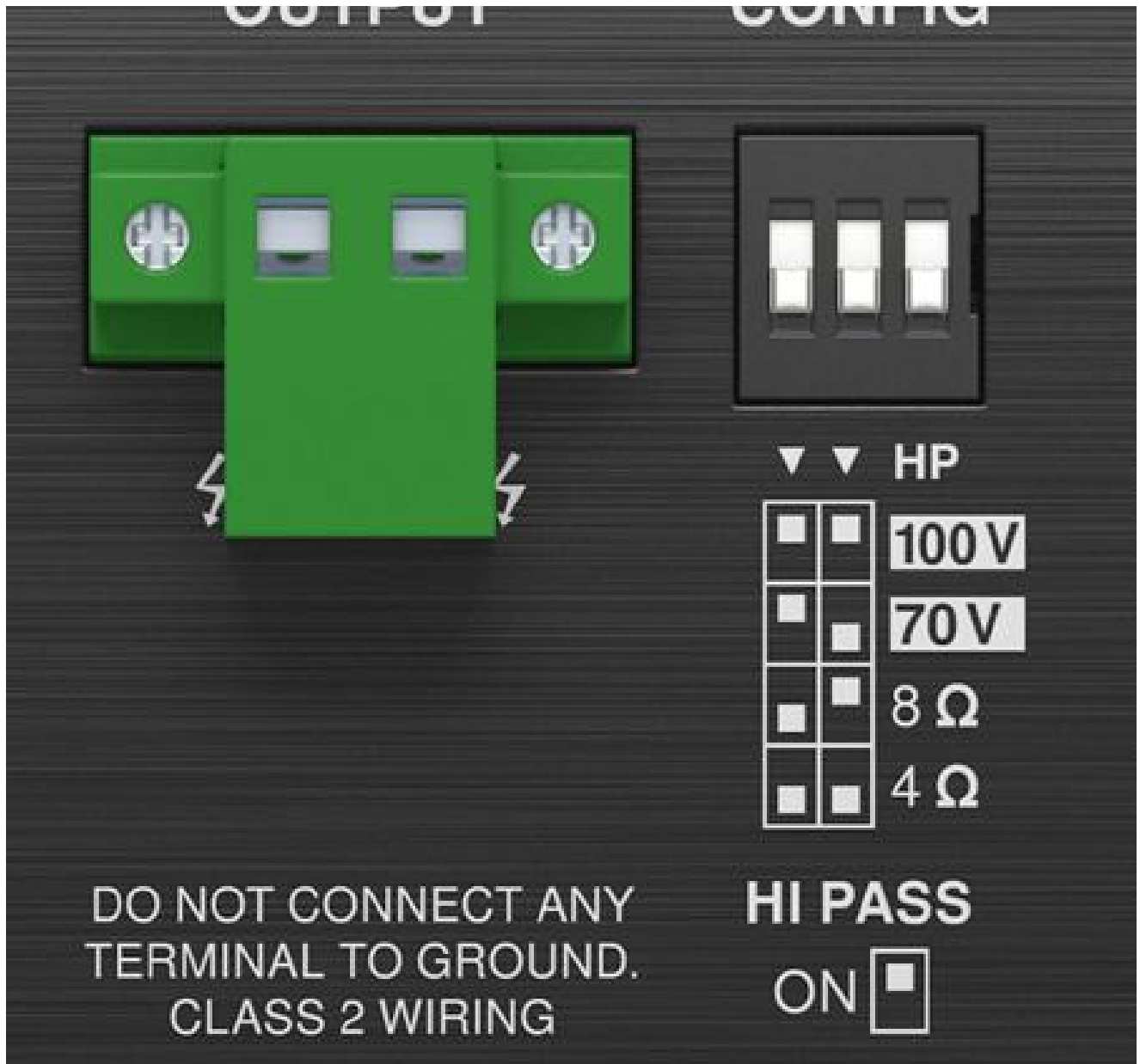
Easy to Install

The CA2401 comes equipped with rubber feet, enabling the amps to be placed on a desk, shelf or any clear surface without any additional installation requirements. However, optional rack mounting hardware is also supplied, allowing one or several models to be housed and protected inside an enclosure. This adds extensive flexibility as a single product can be housed in a half 19" rack or full rack enclosure as well as a pair of amplifiers can easily be mounted side-by-side in a single rack space. With the included brackets the unit can also be mounted to a wall or under a table/shelf.



Sublimely Simple Controls

CA2401's controls are sublimely intuitive, allowing the operator to quickly make adjustments. The front panel power button and Master volume knob are easily accessible, enabling virtually anyone to operate the system. Bass and Treble controls are also available for fine tuning – but require a tool when making changes.



Output Configuration

Intuitive configuration of the flexible output is provided directly adjacent to the rear panel Euroblock output connector with dipswitches, which allow selection of 100 V, 70 V, 8 Ω , or 4 Ω operation. This configures both the maximum voltage of the output and the gain through the device. An individual control engages the built-in high-pass filter, which should be used on all constant voltage systems to avoid saturation on transformer-enabled loudspeakers and to help maintain sound integrity.

LAB.GRUPPEN



Expandable Remote Control

The RJ45 receptacle on the rear panel opens up a broad range of remote control options, including the CRC-V Series of wall controllers and a stylish tabletop controller, the LAB.LEVEL. All can be interconnected via inexpensive and readily-available Ethernet cabling.



Easy to Hook Up

For connecting a balanced source such as a mixer or audio processor, a standard 3-pin Euroblock Input socket is provided. Alternatively, RCA cables can be connected for unbalanced stereo sources (summed to mono), such as players, phones or computers, however only one input source should be used at a time. Loudspeaker Output is provided in the form of a standard 2-pin Euroblock socket.



Automatic Power On/Off

The CA2401 has a flexible power scheme with seamless and automatic power on/off based on the input signal, which reduces consumption when a signal is not present. With virtually zero configuration required, an energy smart and hassle-free amplifier system can easily be set up for hands-off operation. If the CA2401 is powered on but does not receive an input signal for 20 minutes, the system automatically enters sleep mode to reduce power consumption. As soon as the Auto Ramp circuit detects a signal, the system powers on and normal operation resumes. The amplifier can also be instantly forced into standby mode or awakened via the front panel power button.



System Scalability

Commercial installs vary widely in scope and often grow and change over time. The CA2401 is part of a family of products that provides both single and dual zone products that are perfect for building out a system to any size. With its individual zone volume and remote control capabilities, the CA2401 is an ideal building block for a dynamic and scalable system solution.