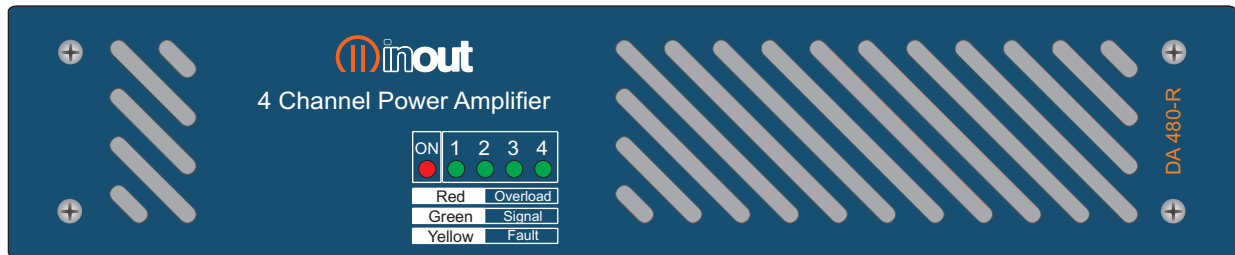


DR 480-R

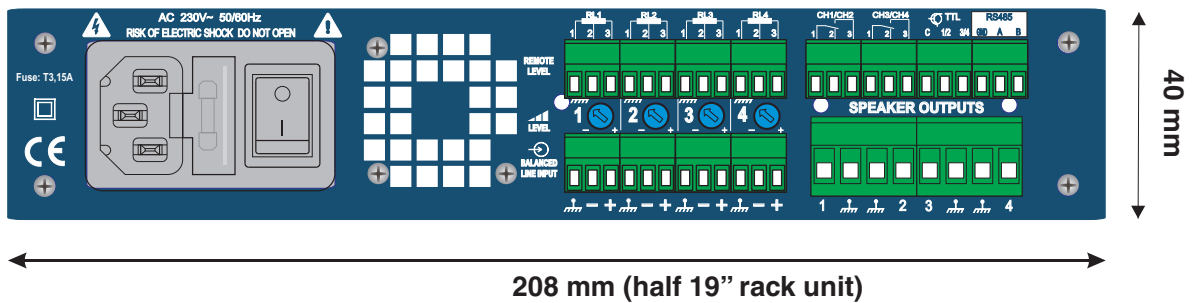
Preliminary

4 Ch Compact Power Amplifier



Main Features

- DA480-R is a versatile and reliable multi-channel power amplifier with innovative SMT technology circuits.
- Very compact case and slim design with four separate amplifiers, the best in fixed installation with very small spaces, for multi-channel amplification, Surround, multi-zone or bridged.
- Very low noise and distortion levels at any power, performance caught-up thanks to the exclusive use of high class components.
- Using T-class high quality power amplifiers, the DA480R has a very low thermal dissipation, with a consequently low running temperature, internal temperature control, variable speed fan, to be able to assure a long time fully loaded work without overheating problems and, above all very silent.
- VCA volume control for each channel that make this multi-channel power amplifier suitable for applications where remote level control is needed.
- Protection circuits against DC, Subsonic Frequencies, Short Circuits, High Temperature, HF.
- An LED array on the front panel of this multi-channel power amplifier indicates the operation status of each channel. Separate multi-colour LED show input signal presence, peak level and self-protection events occurred, to immediately see the system status.
- Relay and logical outputs on removable connector for channel protection reporting or specific programmable functions.
- Low impedance balanced audio input on Phoenix removable connectors.
- Power output on removable connectors that accept section cables up to 2,5 mmq.
- Bridged operation mode, coupling channels two by two, gives double power in a single channel with 8 ohms load impedance
- Input signal adjustment trimmer for each channel on the rear panel.
- RS485 serial interface allows to connect up to 255 amplifier units to external control systems for status monitoring and volume control of each channel.
- Output power: 4x80watt@4Ω, or 2x160watt@8Ω in bridged mode.
- Speaker's load from 4 to 16 Ω.
- VDE plug, fuse holder and power switch on the rear panel.
- AC mains supply 230Vac\50Hz.
- Half single 19" rack unit fully compatible with the InOut RM30 and FP30 rack accessories.



Technical Characteristics

- ◆ Output power Single Ended: 4 x 80watts / 4 ohm nominal load
- ◆ Output power Bridged Mode: 2 x 160 watts / 8 ohm (THD+N* = 0.1% typ)
- ◆ Total Harmonic Distortion + noise: 0,015%
- ◆ Frequency response: 20Hz to 20kHz 0dB/-3dB
- ◆ Signal to noise Ratio (A-Weighted) 102 dB
- ◆ High-pass filter: 2nd order 12dB per octave 50, 110 Hz switchable
- ◆ Dynamic range: 102dB
- ◆ Input impedance: 10kohm
- ◆ Maximum input: +22dBu
- ◆ Sensitive input range: -22dBu / -5dBu
- ◆ Switchable Input Amplification Stage: -8dBu to +5dBu
- ◆ Remote level control: Attenuate 256 steps (Optional VCA panels available for remote level control)
- ◆ RS485 serial interface to connect up to 255 amplifier units to external control systems for status monitoring and volume control for each channel
- ◆ AC Mains Supply: 230Vac \pm 10% 50Hz
- ◆ Power supply: 200W PFM switching mode with PFC controller
- ◆ Power supply operating frequency: 40kHz
- ◆ Fan cooling: Temperature controlled, variable three steps fan speed
- ◆ Fault flag out (Remote fault reporting): 2x open collectors, 2x free-use contacts
- ◆ Size: 40mm H x 208mm W x 200mm D
- ◆ Half single 19" rack unit fully compatible with the InOut RM30 and FP30 rack accessories.
- ◆ Weight: 1.60 Kg