

# Da 480-R



## 4 Ch Compact Power Amplifier (Remotable)



### Main features

- ▶ DA480-R is a versatile and reliable multi-channel power amplifier with innovative SMT technology circuits.
- ▶ Very compact case and slim design, 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.
- ▶ An LED array on the front panel of this power amplifier indicates the operation status of each channel. Separate multi-colour LED show input signal presence, peak level and self-protection

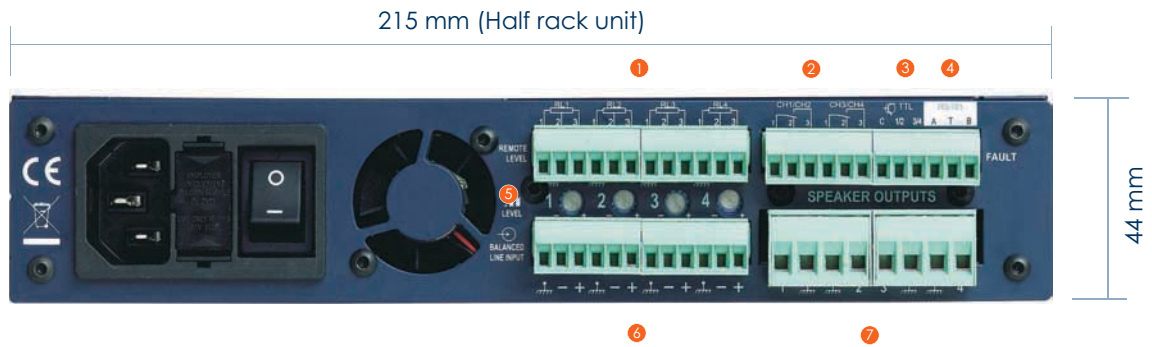
events occurred, to immediately see the system status.

- ▶ 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 units to external control systems for status monitoring and volume control of each channel.
- ▶ Output power: 4x80watt@4Ω, or 2x160watt@8Ω in bridged mode.



- ▶ 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.

## Rear Panel (input/output)



- ① VCA remote control
- ② Relay outputs
- ③ TTL logic outputs
- ④ RS-485 serial port
- ⑤ Line input trims
- ⑥ Balanced line inputs
- ⑦ Speaker outputs

## Technical Characteristics

<b>Output power Single Ended:</b>	4 x 80watts / 4 Ω nominal load
<b>Output power Bridged Mode:</b>	2 x 160 watts / 8 Ω (THD+N* = 0.1% typ)
<b>Total Harmonic Distortion + noise:</b>	0,015%
<b>Frequency response:</b>	20Hz to 20kHz 0dB/-3dB
<b>Signal to noise Ratio:</b>	(A-Weighted) 102 dB
<b>High-pass filter:</b>	2nd order 12dB per octave 30, 160 Hz switchable
<b>Dynamic range:</b>	102dB
<b>Input impedance:</b>	+22dBu
<b>Maximum input:</b>	-22dBu / -5dBu
<b>Switchable Input Amplification Stage:</b>	-8dBu to +5dBu
<b>Remote level control:</b>	Attenuate 256 steps (Optional VCA panels available for remote level control)
<b>Control systems :</b>	RS485 serial interface to connect up to 255 amplifier units to external control systems for status monitoring and volume control for each channel
<b>AC Mains Supply:</b>	230Vac ±10% 50Hz
<b>Power supply:</b>	250W PFM switching mode with PFC controller
<b>Fan cooling:</b>	Temperature controlled, variable three steps fan speed
<b>Fault flag out (Remote fault reporting):</b>	2x open collectors, 2x free-use contacts
<b>size:</b>	44mm (H) x 215mm (W) x 200mm (D)
<b>Case:</b>	Half single 19" rack unit fully compatible with the InOut RM30 and FP30 rack accessories.
<b>Weight:</b>	1.80 Kg
<b>Color:</b>	Custom InOut dark blue