

# Inca 500



Compact 4 channel amplifier designed for flexible installation across low and high impedance systems



#### POWER

125 W per channel (8  $\Omega$ )



#### INPUT TYPE

Analog, Digital



#### COMPUTER CONTROL

DSP



#### NUMBER OF CHANNELS

4 channels

Galleries & Museums

Beach & Poolside

Residential

Retail

Gyms & Fitness

The Inca 500 is a half rack width amplifier designed for space-conscious installations. Its compact 1U format and flexible mounting options make it ideal for distributed audio systems, while supporting both low impedance and 70V/100V applications within a single unit.

With integrated DSP and automatic power sharing, the Inca 500 distributes power efficiently across outputs depending on system requirements. TCP/IP control and simple setup via smart devices allow for quick configuration and reliable operation across a wide range of installation environments.

#### KEY FEATURES

Full matrix DSP embedded and controlled via Web Browser

Master / Slave functionality with S/PDIF link to multiple amplifiers

Compatibility with 70/100V Hi-Z or low impedance loads

Automatic power sharing to optimise power for asymmetric loads

Compact form factor with versatile wall/desktop or rack mounting options

Compatible with the Void Acoustics preset library

Fast installation via Wi-Fi and intuitive control software

Quick configuration and reliable operation across a wide range of installation environments

**SPECIFICATIONS**

**Channel Handling**

|                            |                           |
|----------------------------|---------------------------|
| Number of output channels: | 4                         |
| Number of input channels:  | 6 (4 analogue, 2 digital) |

**Audio**

|                       |  |
|-----------------------|--|
| Frequency Response    | 20Hz-20kHz (+0/-0.25dB (8Ω load, 3dB below rated power)                      |
| Signal To Noise-Ratio | >106dB (A-weighted, 20Hz-20kHz, 8Ω load)                                     |
| Output Circuitry      | UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion       |
| THD+N (typical)       | < 0.05% (20Hz-20kHz, 8Ω load, 3dB below rated power)                         |
| Protection Circuits   | Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection |

**Construction**

|            |  |
|------------|--|
| Dimensions | 44 x 220 x 319 mm<br>1.7 x 8.7 x 12.6 in |
| Weight     | 2.8kg (6.2 lbs)                          |

**Output Stage**

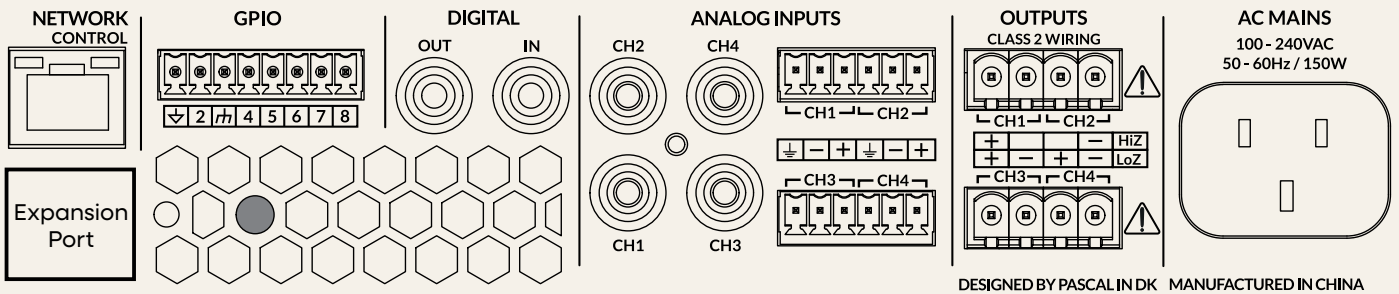
|                                       |           |
|---------------------------------------|-----------|
| Total System Power                    | 500 W     |
| Output Power @ 4/8Ω                   | 4 x 125 W |
| Output Power @ 70/100V*               | 2 x 250 W |
| Powershare (up to) Across all channel | 2 x 250 W |

Output Voltage  
70Vp / 140Vpp (unloaded)  
// Bridged 140Vp / 280 Vpp (unloaded)

\*100V line mode is @ 90 V (≈ -1dB)

**AC Mains Power**

|                       |   |
|-----------------------|---|
| Power supply          | UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter |
| Nominal voltage       | Universal Mains, 100V-240V, 50Hz-60Hz   |
| Power Consumption     | 150 W   |
| Standby Consumption   | < 0.5 W   |
| Operating Temperature | 0-40°C  |
| Power Ratings         | 1% THD @ 120Vac and 230Vac  |



DESIGNED BY PASCAL IN DK MANUFACTURED IN CHINA

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