NAC 332 is the analogue hub without compromise, delivering the best in musical performance to your amplifier and loudspeakers. It's our most adaptable preamplifier to date, allowing the connection of headphones and the NVC TT phono stage for vinyl playback that is incomparable in quality.

1.5W discrete transistor, class A/AB headphone amplifier. Runs class A/class AB for higher power peaks. Headphone connection via 1/4 inch socket

Buttons on front panel for quick access to standby, mute and inputs

Adjustable logo brightness

8-pin DIN is compatible with 5-pin DIN and has +/-18V (for compatible external phono stages e.g. NVC TT)

Balanced impedance class A output amplifier for long and regular length cable runs via XLR

Second set of outputs via RCA for bi-amping or subwoofer connection

Key points

- **Statement volume control** architecture using reed relays. Premium sound quality of fixed resistor volume control, providing precise channel balance. Uses super smooth fly-by-wire optical encoder with precision ball raced bearing.
- **Reed relay input switching.**
- **Class A discrete balanced input circuits** (via two single ended class A buffer, one for hot and one for cold, feeding a discrete class A op-amp).
- **Single ended discrete transistor class A input buffers and filter circuits**, using hand soldered polystyrene capacitors (Custom ultra-low dielectric absorption filter capacitors).
- **Configurable inputs:** Input sensitivity pre-set, AV bypass mode and mapping of input socket to button.
- **ZigBee RF bi-directional remote control**, line of sight not needed, volume changes reflected on the remote.
- **Optical in and out 3.5mm** inter-product communications for synchronised standby and lighting with compatible power amplifiers.
- **PSU upgrade** with NPX 300 via two Burndy cables (one digital and one analogue).
- **0.5W standby power**
  Using two internal power supplies; one is a high quality audiophile linear type, based on a large toroidal transformer. The other is a highly efficient SMPSU for 0.5W power consumption in standby during standby mode.
- **Galvanic isolation** of control and audio circuits.

Specifications

Type	**Preamplifier**
Analogue inputs	1 x 8-pin DIN (47kΩ, 2.2V typical, 9.5Vrms Max) 2 x 5-pin DIN (47kΩ, 2.2V typical, 9.5Vrms Max) 3 x RCA pair (47kΩ, 2.2V typical, 9.5Vrms Max) 2 x XLR balanced pair (100kΩ, 2.2V typical, 9.5V max) 8-pin DIN compatible with 5-pin DIN 8-pin DIN has +/-18V (for compatible external phono stages e.g. NVC TT).
Analogue outputs	1 x XLR pair (balanced 10Vrms max) 1 x RCA pair (10Vrms max) 1 x 6.35mm headphone jack (1.5W into 16Ω)
USB	1x Micro USB socket (for updates)
Analogue gain	Preamplifier at max volume: 15.5dB
Frequency response	Line: 3Hz to 40kHz -3dB
Signal to noise ratio	Line: 104dB ref 2.2V A-wtd volume at 0dB
Distortion	Line: 0.003% @2.2V input volume at 0dB, 1kHz (Line: 0.018% @2.2V input volume at 0dB, 20kHz)
Cross talk	Line: 90dB at 1kHz, volume at 0dB (Line: 70dB at 20kHz, volume at 0dB)
Control	Bi-directional ZigBee remote and front panel. Inter-product communications with NSS 333 via ZigBee Optical 3.5mm output for synchronised control of compatible products e.g. NAP 250/350
Typical use consumption	20W
Network standby mode consumption	<2W
Standby mode consumption	<0.5W
Mains supply	115V or 230V, 50/60Hz
Dimensions (HxWxD)	$3^{5/8}$x17x$12^{1/2}$" (9.15x43.2x31.75cm)
Weight	24.25lbs (11kg)