Where streamlined design meets audiophile quality.
The NSC 222 is a feature-packed streaming pre-amplifier that keeps things simple without compromising on musical quality. Precision engineered and designed in the UK, this new design features a world of music and radio streaming, alongside vinyl and headphone support - plus a full-spec analogue pre-amplifier. Partner with the new NAP 250 power amplifier for the ultimate 'just add speakers' pairing.
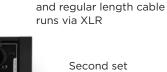
1.5W discrete transistor, class A/AB headphone amplifier. Runs class A/class AB for higher power peaks. Headphone connection via 1/4 inch socket

Tactile buttons on front panel for quick access to standby, play/pause, inputs and favourites



Wi-Fi (802.11 b/g/n/ac) diversity antennas built into heatsink (patent GB2524815B) and wired Ethernet connector

Adjustable logo brightness

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. This miniaturised version of the Statement volume control uses super smooth fly-by-wire optical encoder with precision ball raced bearing.
- **Reed relay input switching**
- **Single ended discrete transistor class A** input buffers and filter circuits; using hand soldered polystyrene capacitors.
- **Built in high quality MM phono stage**
- **5.5 inch colour display**
- **Configurable inputs:** Input sensitivity pre-set, naming, AV bypass mode and unused input disabling.
- **Uses Naim's latest NP800 streaming card with LVDS balanced digital signals** for low noise. Stream internet radio stations, music from Spotify Connect, Apple Music, Tidal (and Tidal Connect), Qobuz, AirPlay 2, Chromecast, UPnP servers, USB attached storage and Roon ready.
- **aptX Adaptive Bluetooth®**
- **App control continuity** from Mu-so through to Classic range.
- **Multi-room capability** with other Naim streaming products (right up to Classic range and 500 Series).

- **ZigBee RF bi-directional remote control**, line of sight not needed, volume changes reflected on the remote.
- **Dual optical 3.5mm inter-product** communications for synchronised standby and lighting, compatible with the new NAP250 power amplifier.
- **Twin fixed frequency** (44.1kHz and 48kHz based sample rates) master clocks for ultra low jitter.
- **DSP RAM buffer for SP/DIF inputs**, eliminates jitter caused by SP/DIF modulation (4x SP/DIF inputs).
- **Naim's proprietary DSP 705.6kHz/768kHz** integer oversampling filter.
- **PCM1791A DAC** Custom polystyrene ultralow dielectric absorption Post DAC filter components.
- **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** |
| **Audio inputs** | 1 x moving magnet phono<br>1 x 8-pin DIN (compatible with 5-pin DIN cables)<br>1 x RCA stereo pair<br>Line level inputs (RCA/DIN): Impedance 47k, 2.2V typical, 7.5Vrms Max<br>8 pin DIN has +/-18V for compatible external phono stages such as Solstice NVC TT<br>Compatible with 5 pin DIN<br>MM phono: 47k/470pF, 5mV, 23dB overload (75mV max) |
| **Audio outputs** | Analogue<br>1 x XLR pair (Stereo XLR balanced impedance 7Vrms max)<br>1 x RCA pair (Stereo RCA 7Vrms max)<br>1 x 6.35mm headphone jack (Headphone 1.5W into 16) |
| **USB** | 2 x USB Type A socket (front and rear - 1.6A charge) |
| **Digital inputs (S/PDIF)** | 2 x Optical TOSLINK (up to 24bit/96kHz)<br>1 x coaxial RCA (up to 24bit/192kHz, DoP 64Fs)<br>1 x coaxial BNC (up to 24bit 192kHz, DoP 64Fs) |
| **Audio formats** | WAV - up to 32bit/384kHz<br>FLAC and AIFF - up to 24bit/384Hz<br>ALAC (Apple Lossless) - up to 24bit/384kHz<br>MP3 - up to 48kHz, 320kbit (16 bit)<br>AAC - up to 48kHz, 320kbit (16 bit)<br>OGG and WMA - up to 48kHz (16 bit)<br>DSD - 64 and 128Fs<br>M4A - up to 48kHz, 320kbit (16 bit)<br>Gapless playback supported on all formats |
| **Analogue gain** | Pre-amplifier at max volume 15.5dB<br>Phono stage MM 40dB |
| **Digital level** | 2.1V at 0dBFS volume at 0dB |
| **Frequency response** | MM: -3dB at 10Hz, RIAA +/-0.1dB<br>Line: 3Hz to 40kHz -3dB<br>Digital: 3Hz to 27kHz -3dB |
| **Signal to noise ratio** | MM 80dB ref 5mV A-wtd volume at 0dB<br>Line 104dB ref 2.2V A-wtd volume at 0dB<br>Digital 102dB ref 0dBFS A-wtd volume at 0dB |
| **Distortion** | MM: < noise floor<br>Line: 0.0025% @2.2V input volume at 0dB, 1kHz<br>(Line: 0.015% @2.2V input volume at 0dB, 20kHz)<br>Digital: 0.0035% @0dBFS volume at 0dB, 1kHz |
| **Cross talk** | MM: 90dB at 1kHz, volume at 0dB<br>Line: 90dB at 1kHz, volume at 0dB<br>(Line: 70dB at 20kHz, volume at 0dB)<br>Digital: 90dB at 1kHz, volume at 0dB |
| **Control** | App control (iOS and Android), bi-directional ZigBee remote and front panel<br>Optical 3.5mm output for synchronised control of compatible products |
| **Network** | Ethernet (10/100Mbps), Wi-Fi (802.11 b/g/n/ac) |
| **Typical use consumption** | 25W |
| **Network standby mode consumption** | <2W |
| **Standby mode consumption** | <0.5W |
| **Mains Supply** | 115V or 230V, 50/60Hz |
| **Dimensions (HxWxD)** | 3⅝x17x12½" (9.15x43.2x31.75cm) |
| **Weight** | 24.25lbs (11kg) |

naim