

## Specification



### AUDIO INPUTS

Sample Rates Supported	S/PDIF up to 192kHz
S/PDIF	1 x BNC, 1 x RCA, 1 x optical
USB Inputs	1 front-panel socket
UPnP™	Wired Ethernet (RJ45) or Wi-Fi

### AUDIO OUTPUTS

Audio Outputs	DIN and RCA
Line Outputs Fixed (level)	2.2V rms at 1kHz
Output Impedance	<20Ω minimum
Frequency Response	10Hz-20kHz, +0.1/-0.5dB
THD+N	<0.005%, 10Hz - 18kHz at full level
Phase Response	Linear phase, absolute phase correct
Digital Outputs	S/PDIF, 75Ω BNC

### UPGRADES

Power Supply	External power supply required. XP5 XS, XPS, 555 PS all compatible (double Burndy connection for 555 PS)
Other	Hi-Line, Power-Line (on external power supply)

### CONNECTIVITY

Infrared	RC5
Remote Input	3.5mm panel jack on rear (RC5)
Remote Output	3.5mm panel jack on rear (RC5) x 2
Network	Ethernet (Cat5), Wi-Fi

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UPnP™ is a trademark of the UPnP™ Forum.

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Please note information provided relating to specification is subject to change.

### FORMATS

Audio Files Supported	WAV and AIFF (up to 32bit/192kHz) FLAC (up to 24bit/192kHz) Apple Lossless (up to 24bit/96kHz) Windows Media-formatted content (up to 16bit/48kHz) must be WMA 9.2 Internet Radio (Windows Media-formatted content, MP3, AAC, Ogg Vorbis streams, MMS) Playlists (M3U, PLS) AAC (up to 320kbit/s, CBR/VBR) MP3 and M4a (up to 320kbit/s) Ogg Vorbis (up to 16bit/48kHz)
iRadio Service Provider	vTuner 5* full service

### USER CONTROL INTERFACES

Front-panel	Yes
Handheld	Remote handset included and optional n-Stream app for iPad, iPhone and iPod Touch from App Store

### POWER

Power Supply Options	External only
Power Consumption (maximum)	110VA

### PRODUCT CERTIFICATIONS & LICENSES

Certifications	vTuner Premium
Licenses	MP3, AAC

### PHYSICAL

Dimensions	87 x 492 x 314mm (H x W x D)
Weight	14Kg

## NDS Network Player



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# NDS

## Ultimate reference audiophile network player



### Taking streaming into the high-end

The NDS is a network music player without equal. Inspired by the audio engineering and performance of world beating Naim CD players, and incorporating the latest in high-resolution network audio technology, the NDS lifts network streaming and digital audio sources unquestionably into the high-end. From internet radio to 24bit/192kHz audio, the NDS displays all the musical quality of the finest high-end components. The NDS takes its place above the award-winning ND5 XS and NDX as the reference Naim network player. It is a revolutionary step forward for high-end audio reproduction. Connect an NDS to your existing audio system, and the world of network audio opens for discovery. It's a world of high resolution audio downloads, UPnP™ streaming, and the vast resource of internet radio. But thanks to Naim audio engineering, it's also a world of very high quality reproduction, where music lives, breathes and communicates.

### Naim high-end technology for Naim high-end performance

In its engineering philosophy, the Naim CD555, the world's best CD player, is perhaps the closest relative of the NDS – although the NDS naturally employs the full spectrum of Naim reference-level engineering technologies, such as separate PCBs for analogue and digital sections, and sophisticated isolation techniques. Digital to analogue conversion is handled in the NDS by the same Burr-Brown DAC that helps the CD555 achieve its world-beating level of musical performance, and the NDS employs the classic Naim 16 times oversampling and digital filtering techniques. The NDS current to voltage conversion stage is a hybrid of techniques employed in the CD555 and the Naim DAC, and just like the CD555, the NDS incorporates high Q, low resonance PCB isolation systems suspended on coil springs and a high-mass brass sub-chassis.

Along with specific technologies and techniques borrowed from the CD555, the NDS incorporates every last drop of Naim network and digital audio know-how; knowledge that results from over two decades of commitment to extracting every last drop of real music from digital audio. Techniques developed through the DAC and NDX research projects are uniquely combined in the NDS. 'Quiet room' environmental shielding of critical components, separate power supplies for digital, analogue, DSP and clock elements, isolated DSP audio and control lines, and not forgetting Naim's jitter removal technology, help the NDS make music with vitality, clarity, rhythm and warmth.

### From network streams to digital inputs

In addition to a network connection for UPnP™ streaming and internet radio, the NDS incorporates three high-resolution S/PDIF digital audio inputs, and a USB input for audio stored on USB memory stick. Its network connection can be either wireless or wired, and the NDS can play audio files, including iTunes libraries, stored on a computer or on network-attached storage. Each digital input comprises a different connection socket option: coaxial BNC, coaxial phono and optical TosLink, to provide yet greater versatility and optimised sound quality.

The NDS can play all common, and some not so common, audio file and stream formats at up to 24bit/192kHz resolution: WAV, FLAC, AIFF, Apple Lossless, AAC Windows Media-formatted content, Ogg Vorbis and MP3. The NDS also recognises M3U and PLS playlists formats and supports gapless playback across all formats.

### Liberating control

Versatility and high-end audio performance is worth nothing without an intuitive user interface and the NDS has three. It can be operated from its front panel buttons, from its remote control handset or using the graphically rich and immensely satisfying Naim n-Stream iPad, iPhone and iPod Touch control app. In each case, control is simple, intuitive and dependable. The NDS can also be hardware linked with preamplifier remote control for integrated audio system control.

### U Upgrade Path

The NDS not only borrows from the technology of Naim CD players, it also borrows the celebrated Naim external power supply and upgrade philosophy. In common with all the top line Naim Classic Series source and preamplifier components, the NDS has no internal power supply. It can be partnered however by an XP5 XS, an XPS\* or a 555 PS (using one or, in the case of the 555 PS, two Burndy interconnects). Each power supply upgrade brings more musical detail, clarity and emotion from every digital audio source or network stream.

\*Please note: only current 'Classic' style XPS power supplies can be used with the NDS. Older 'Olive' style XPS units are incompatible and cannot be used.