

## NAIM ND5 XS

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Kategorija proizvoda: Network Plejeri

Proizvođač: Naim

**Cena: 239.880,00 rsd**

stream 24bit/192kHz audio.

### **ND5 XS genuine audiophile-quality, entry level Naim streaming network player**

The ND5 XS is Naim's entry level network audio player with the potential to transform music in the home. It can play UPnP audio streams, internet radio, iPod or MP3 player and USB play back and three SPDIF inputs.

#### **XS Series source**

ND5 XS is a derivative of the NDX network player and is pitched at the XS Series performance level - CD-quality streaming (and beyond - up to 24bit 192kHz) with the performance promised by the Naim badge. The ND5 XS shares much of its digital and streaming board with the NDX; it makes use of the same DSP technology and has an identical digital signal path.

#### **Streaming source**

Central to ND5 XS is digital audio streaming. ND5 XS will stream all available music stored on UPnP-enabled devices connected to the home network, such as PCs, laptops, NAS drives and hard disk servers. Naim would always advocate well ripped music as a starting point for customers wanting to stream music. A Naim hard disk player / server offers this.

#### **24/192 Hi-Res Audio**

Hi-res audio is also a big part of the ND5 XS offering. Users can enjoy 24 bit 192kHz audio files played either from memory stick connected via the front-panel USB socket or streamed from UPnP-enabled devices over the home network.

#### **Internet radio and optional FM/DAB**

A network connection also opens up the world of Internet radio. Internet radio is supplied by vTuner full 5\* service. Users can also access the Naim webpage <http://myradio.naimaudio.com> to manage their ND5 XS's internet radio listings and add stations. Naim's Choice is also available. A listing of Naim's favourite internet radio stations, including an exclusive 320kbps stream from California's Radio Paradise. An optional DAB FM module is available to customers wishing to convert the ND5 XS to a multi-format tuner - the module will seamlessly integrate FM and DAB radio with internet.

#### **USB port for memory stick & iPod/MP3 player**

A front-panel USB port caters for memory sticks and iPod & MP3 players. ND5 XS will take over the control, charging and display of stored audio. ND5 XS is also Apple authenticated enabling playback of iPad, iPhone, iPod stored digital media, bypassing the iPad, iPhone, iPod internal DAC for optimised performance.

NAIM ND5 XS  
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XS follows on from the introduction last year of the NDX and has been engineered to integrate into the Naim range at the same performance level as Naim's other XS Series components. The ND5 XS is performance-upgradeable, currently with the addition of an external XPS or 555 PS power supply and / or Naim DAC.

The NDX will also be updated to

## **Onboard DAC**

Three 24 bit 192kHz -capable S/PDIF (BNC, RCA and optical) inputs offer connection to external digital sources, such as CD players or laptops.

## **Gapless playback and extensive file formats**

Gapless playback is available from ND5 XS and it will stream or play WAV, FLAC, ALAC, AIFF, AAC, Windows Media-formatted content, Ogg Vorbis and MP3 files from any suitable UPnP™ device or USB-connected storage device.

## **Wired or wireless network connection**

ND5 XS can be connected to the network either wired via an Ethernet connection or wirelessly. Naim recommends Ethernet for optimum performance, however a wireless connection has been provided for convenience.

## **Controlling the ND5 XS**

ND5 XS can be controlled in three ways. It has a front-panel display and key mat interface and a remote control handset is also supplied. Naim's n-Stream FOC app can be downloaded from the iTunes App Store and offers full control of ND5 XS (alongside Naim's other streaming capable players, NDX, SuperUniti, NaimUniti and UnitiQute). The app also offers System Automation, enabling input and volume control of most Naim CD players, preamplifiers and Naim's digital to analogue converter within an existing Hi-Fi system.

## **Upgradable**

The ND5 XS can be upgradable by the addition of an external XPS or 555PS power supply and or an external digital to analogue convertor such as Naim's DAC. A matching slimline power supply will be available next year. Please be aware that the ND5 XS can only be paired with XPS units in the classic series casing. Older olive series units are not compatible with the ND5 XS.

## **What can I use the ND5 XS with**

The ND5 XS would be added to an existing hi-fi system, most likely an XS series or non-Naim brand separates system, as a digital source. ND5 XS would connect straight into a preamplifier or integrated amplifier. You could still retain your CD player, which if it has a S/PDIF output can be connected to ND5 XS on board DAC removing the need to invest in a separate DAC. System automation via the n-Stream control app will enable control of the CD player. A hard disc server or player such as HDX or UnitiServe within their system which can also connect to ND5 XS. Either take a direct digital output via S/PDIF or connect via a network wired or wireless and stream from it. The ND5 XS is ideally paired with Naim's XS series pre-power combination of NAC 152 XS and NAP 155 XS, although combinations further up the Naim range would also suit ND5 XS.

## **Key Features:**

UPnP™-enabled to stream audio files from any hard disk server, such as HDX or UnitiServe, network attached storage (NAS) or laptop or computer via the home network

Optional FM DAB\* module

Front-panel USB port for replay of MP3 player, iPod and USB-stored audio

Apple authenticated enabling digital output from iPod for ultimate quality iPod control, charging and front-panel content display when connected to front-panel USB port via standard iPod digital connector

Three 24bit, 192kHz-capable S/PDIF inputs for external digital sources

Multiple intuitive control interfaces: front panel, remote control handset and n-Stream iPhone, iPad control app

Internal architecture for hi-res audio playback up to 24bit 192kHz over the network

Ethernet network connectivity for reliability. Wireless also available for convenience.

Streams and plays WAV, FLAC, ALAC, AIFF, AAC, Windows Media-formatted content, Ogg Vorbis and MP3 files from any suitable UPnP™ device or USB-connected storage device

Gapless playback available on all lossless file formats and some lossy formats (exc Ogg Vorbis and Windows Media-formatted content)

Digital output on 75Ω BNC connector

Switchable DIN RCA Analogue outputs

Wired remote in

Wired remote out for preamplifier volume control and input switching, also for CD player and DAC control

Performance upgradeable with addition of external XPS or 555 PS power supply or external DAC digital to analogue converter

USB mini-b connector for software upgrades

SHARC DSP with Naim proprietary 16 times digital filtering and buffering

Naim proprietary 16 times oversampling and digital filtering

Linear power supply with 200VA toroidal transformer with four separate windings for digital, DPS, audio clock and analogue sections

Seven pole analogue output filtering

Optical isolation of data control lines

Ultra low noise triple-regulated power supplies

Ground selector switch for optimum performance

High quality Burr Brown PCM1791A DAC

Naim reference non-magnetic, low-resonance low microphony case

OLED display for high contrast and easy visibility

British design and build

## **Audio Inputs**

S/PDIF : 1x BNC, 1x RCA, 1x optical, sample rates up to 192kHz/24bit

USB type A : Front panel socket for iPod, iPhone, iPad and memory stick

UPnP : Wired Ethernet (RJ45) or Wi-Fi

Antenna inputs : DAB/FM, Wi-Fi (802.11 g or n at 2.4GHz)

Tuning range : DAB (Band III and L Band), FM 87.5-108MHz (FM/DAB version only)

## **Audio Outputs**

Analogue outputs:DIN and RCA, 2.1V rms at 1kHz at full level (Fixed)

Output impedance : 32 maximum

Minimum load impedance : 10k

Frequency response : 10kHz - 220kHz, +0.1/-0.5dB

THD+N : <0.02%, 10Hz to 20kHz at full level

Phase response : Linear phase, absolute phase correct

Digital outputs (type):S/PDIF, 775Ω BNC

## **Upgrades**

Other : DAC, Hi-Line, Power-Line,long-range WAV antenna

## **Connectivity**

Infra red : Front panel window RC5

Remote input : 3.5mm jack on rear (RC5)

Remote output : 3.5mm jack on rear (RC5) x2

Rear USB : For updates only (USB mini-B)

**Formats**

Audio formats supported : WAV, AIFF and FLAC (up to 24bit/192kHz)

ALAC (up to 24bit/96kHz)

Ogg Vorbis (up to 320bit/s)

Windows Media-formatted content-9 (up to 320kbit/s)

Playlists (M3U, PLS)

MP3, M4a (up to 3200kbit/s)

iRadio service provider : vTuner 5\* full service

Internet radio (Windows Media-formatted content, MP3 streams, MMS, Ogg Vorbis)

**User Control Interfaces**

Front panel : Yes

Handheld : Remote handset included and optional n-Stream app for iPod, iPhone and iPad devices, downloadable from App Store

AMX & Crestron: Installer-customisable reference apps available

**Power**

Supply voltage : 100V or 115V or 230V; 50 to 60Hz

Power supply options: XPS, 555 PS

Power consumption (maximum): 60VA

**Product Certifications & Licenses**

Certifications : Apple (made for iPhone), vTuner Premium

Licenses : MP3, AAC, DAB, Windows Media

**Physical**

Dimensions (mm) : 70 x 432 x 301mm (H x W x D)

Weight : 6.5Kg