



## Introducing the XS Series

Naim's new mid-priced entry-point upgradeable product range

### PRODUCT LAUNCH INFORMATION – 30<sup>th</sup> June 2009

#### **XS SERIES LAUNCH**

This month sees the launch of the XS Series: Naim's replacement for the x series. The XS Series consists of CD5 XS CD player, NAT05 XS FM tuner, NAIT XS integrated amplifier, NAC 152 XS preamplifier, NAP 155 XS power amplifier and FlatCap XS power supply.

A PR pack for the XS Series has been placed on the Naim FTP site for you. To access this, simply type <ftp://80.229.92.210> into your web browser. In the folder LAUNCH INFO PACK you will find an XS Series press release for the HiFi press along with images of the XS Series and a new product flyer in PDF format. Hard copies of this flyer will also be mailed out to you.

Full details & images of the XS Series will be placed on our website from Wednesday 1<sup>st</sup> July. Images will also be available for your retailers & press contacts to download from the Naim Download Gallery. This can be accessed at: [www.naim-audio.com/download/gallery/index.htm](http://www.naim-audio.com/download/gallery/index.htm)



#### **WHY THE XS SERIES?**

The XS Series replaces the x series as Naim's mid-priced entry-point upgradeable product range. The products feature an improved finish with anodised front panels, just like the Naim reference range. As always, with revision to any Naim product, we have taken the opportunity to improve performance and specification too where possible.

The NAIT XS, launched last November, will also be benefiting from this cosmetic upgrade, enabling it to sit firmly within the "XS" family range of products.

Upgrading the NAIT XS to match other Naim products within the same price point is crucial, offering the customer a perfect match and improved performance!

## THE XS SERIES CUSTOMER PROPOSITION

### A true mid-priced entry-point

- High end audio within reach, at a comfortable entry point
- New fascia takes XS range closer to the reference range

### Upgradeable family of products

- The start of the Naim upgrade path
- FlatCap upgrades available across the range
- New fascia makes transition from XS range to reference range offer improved system matching

## XS SERIES PRODUCTS – KEY FEATURES

### CD5 XS CD player



Improvements to grounding and ground planes together with a new display board bring significant improvements to performance. Switchable digital output added on 75 Ohm BNC.

- Switchable S/PDIF – analogue out or digital out (75 Ohm BNC for impedance match)
- Switchable Din or RCA analogue output
- New low impedance power supply for digital clock, hard-wired clock power supply regulation
- Transformer decoupled digital output - isolated from zero volts and chassis
- 210VA toroidal transformer
- Swing arm CD Tray for optimum isolation
- Swing arm Beam strength mounted with enhanced triple bracket mounting points – increased rigidity
- New display and display PCB for lower noise
- Upgradeable with FlatCap XS
- Redesigned main board - now 4-layer for improved ground planes.
- Rear 3.5mm jack for infrared – takes modulated and demodulated inputs

### NAT05 XS FM Tuner



The new compliantly mounted tuner head, improved circuits and new display board bring worthwhile improvements to what was already the-class leading tuner. Upgradeable with FlatCap XS.

- New high performance ALPS tuner head
- The tuner head is sensitive and microphonic so it is rigidly mounted to a highly compliant bracket
- All new circuit for improved performance
- New display and display PCB for lower noise
- Upgradeable with FlatCap XS
- Switchable Din or RCA analogue output
- Naim-designed software

- 210VA toroidal transformer

### NAIT XS Integrated Amplifier



The space within the slim-line case has been fully utilised optimising the signal path. Components that like space are given it

- Upgradeable with FlatCap, HiCap or SuperCap power supplies
- 6 line inputs: 4 x RCA/DIN, 1 x RCA/3.5mm jack, 1 x powered input for phono stage
- Auto switching 3.5mm stereo jack socket for iPod/MP3 player input on the front panel
- Aux 2 power for phono stage
- 60WPC into 8Ω or 90WPC into 4Ω
- 380VA toroidal transformer
- 5 separate secondary windings: 2 x L&R power, 1 x pre, 1 x display, 1 x relay switching
- AV unity gain option (AV bypass switchable)
- Full bandwidth stereo subwoofer output
- Preamp similar to SUPERNAIT
- Can be split to use as a preamplifier or power amplifier
- Remote control for volume and input selection
- Programmable Auto Input Switching (AIS)

### NAC 152 XS Preamplifier



A simpler more direct signal path together with an improved gain structure and the possibility of upgradeability using both dual rail 24V outputs from a FlatCap XS delivers even more than before.

- Line level output for headphones
- New main board
- Controlled compliance mounting of sensitive audio circuitry
- Handwiring to potentiometer to reduce microphonic effects
- Same gain structure as NAIT XS better low level listening with modern sources
- Upgradeable with FlatCap using one or both outputs – analog and digital switching
- 6 line inputs: 4 x RCA/DIN, 1 x RCA/3.5mm jack, 1 x powered input for phono stage
- Auto switching 3.5mm stereo jack socket for iPod/MP3 player input on the front panel
- Aux 2 power for phono stage
- AV unity gain option (AV bypass switchable)
- Full bandwidth stereo subwoofer output
- Preamp similar to SUPERNAIT
- Remote control for volume and input selection
- Programmable Auto Input Switching (AIS)
- Upgradeable to full RS232 control
- Short signal path design

### NAP 155 XS Power Amplifier



**A larger improved power supply with more direct connection. Water analogy: larger shorter pipes**

- 60WPC into 8Ω or 90WPC into 4Ω
- Single sided board
- New 400VA transformer
- New set of reservoir caps (same as SUPERNAIT)
- Castellated heatsink allowing shorter paths reducing power supply impedance
- Transistor rooms for long-tailed input pair to ensure thermal tracking
- Earth reference routing improved to lower impedance
- Simplified layout

### FlatCap XS Power Supply



**Significant changes to the decoupling/isolation of the supplies brings surprising improvements.**

- Two separate Dual Rail 24V supplies
- 215VA toroidal transformer
- Can power two separate XS products or both outputs can be used on NAC 152 XS

### TRAINING & SUPPORT

Training and full support will be available as the XS Series is launched. We welcome any queries you may have at this moment in time.

### ESTIMATED DELIVERY

The XS Series is priced as below:

CD5 XS	£1750.00
NAT05 XS	£995.00
NAIT XS	£1350.00
NAC 152 XS	£895.00
NAP 155 XS	£1025.00
FlatCap XS	£675.00

The XS Series is now shipping and orders can be placed with the Naim Sales Admin team.

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+44 (0) 1722 426615

[Ian.Marshall@naimaudio.com](mailto:Ian.Marshall@naimaudio.com)

+ 44 (0) 1722 426632

In the meanwhile, please contact your Naim Sales Representatives, Jason and Mark to find out more about this exciting new product introduction.

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07876 740 633

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We promised at the beginning of this year that Naim would be introducing many new products in 2009. We know that new products bring you new and repeat custom, especially crucial in today's challenging climate. So far this year has seen the arrival of the Naim Uniti, with the delivery of the Ovator S-600 and DAC planned for late summer.

## SPECIFICATION

### CD5 XS



#### AUDIO OUTPUTS

Audio Outputs: Analogue via DIN and RCA. S/PDIF Digital via 75Ω BNC.

Line Output Fixed: 2.1V rms at 1kHz

Maximum Load Impedance: Infinite

Minimum Load Impedance: 10KΩ

Frequency Response: 10Hz – 20kHz + 0.1dB – 0.5 dB

Digital Outputs: S/PDIF via 75Ω BNC

THD: <0.1% 10 Hz - 18 kHz at full level

Signal-to-Noise Ratio: >80dB

Phase Response: Absolute phase correct

#### CONTROL

Remote Input: 3.5mm rear panel jack (modulated/demodulated RC5 system)

RS232: Optional Naim RS232 board

IR Remote (handheld): NARCOM 4

#### FORMATS

CD Formats: Red Book

Disc Compatibility: CD, CD-R

#### POWER

Supply Voltage: 100-120V, 220-240V, 50 to 60Hz

Power Consumption: 30VA

#### PHYSICAL

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

Weight: 6kg

Shipping Weight: 8.4kg

Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)

Colour: Black

Finish: Anodised fascia, painted cover

## NAT05 XS



### AUDIO OUTPUTS

Audio Outputs: Analogue via DIN and RCA  
Line Output Fixed: 600mV at 100% modulation  
Maximum Load Impedance: Infinite  
Minimum Load Impedance: 10 K $\Omega$   
Frequency Response: -0.5dB at 12Hz, -3db at 15kHz  
THD: <0.8%  
Signal-to-Noise Ratio: 67dB at 1mV RF input level

### CONTROL

Remote Input: 3.5mm rear panel jack (modulated/demodulated RC5 system)  
IR Remote (handheld): NARCOM 4

### POWER

Supply Voltage: 100-120V, 220-240V, 50 to 60Hz  
Power Consumption: 15VA

### PHYSICAL

Dimensions (mm): 432 x 301 x 70 (W x D x H)  
Weight: 5.5kg  
Shipping Weight: 7.85kg  
Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)  
Colour: Black  
Finish: Anodised fascia, painted cover

## NAC 152 XS



### AUDIO OUTPUTS

Audio Outputs: preamp, line level and variable level sub  
Maximum Load Impedance: Infinite  
Minimum Load Impedance: 10K $\Omega$   
Frequency Response: 4Hz - 40kHz  
THD: 0.042% THD+N @1kHz, 2Vin, 0.775Vout  
Signal-to-Noise Ratio: 67dB @0.775V  
Phase Response: Absolute phase correct  
Preamp Output: 0.775 V, <50 $\Omega$   
Line Output: 130mV, 600 $\Omega$   
Sub Output: 0.775 v, <150 $\Omega$

### CONTROL

Remote Input: 3.5mm rear panel jack (modulated/demodulated RC5 system)  
RS232: Optional Naim RS232 board  
IR Remote (handheld): NARCOM 4

### POWER

Supply Voltage: +24V



#### PHYSICAL

Dimensions (mm): 432 x 301 x 70 (W x D x H)  
Weight: 3.8kg  
Shipping Weight: 6.4kg  
Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)  
Colour: Black  
Finish: Anodised fascia, painted cover

#### NAP 155 XS



#### AUDIO OUTPUTS

Audio Outputs: Speakers  
Power Output: 60W per channel into 8Ω, 90W per channel into 4Ω  
Voltage Gain: +29dB  
Minimum Load Impedance: 2Ω  
Frequency Response: 4Hz to 75kHz  
THD: 0.013%  
Signal-to-Noise Ratio: 100dB  
Phase Response: Absolute phase correct

#### POWER

Supply Voltage: 100-120V, 220-240V, 50 to 60Hz  
Power Consumption: Max 330VA  
Quiescent Power Consumption: 16VA

#### PHYSICAL

Dimensions (mm): 432 x 301 x 70 (W x D x H)  
Weight: 7.9kg  
Shipping Weight: 10.5kg  
Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)  
Colour: Black  
Finish: Anodised fascia, painted cover

#### NAIT XS



#### AUDIO OUTPUTS

Audio Outputs: Speakers, preamp and variable sub  
Power Output: 60W per channel into 8Ω, 90W per channel into 4Ω  
Tape Output Level: 130mV, 600Ω

#### INPUTS

Analogue Inputs: 6 DIN and RCA on rear plus 3.5mm jack on front  
Input Overload: 34 dB  
Input Sensitivity: 130mV at 47KΩ

#### CONTROL

Remote Input: 3.5mm rear panel jack (modulated/demodulated RC5 system)  
RS232: Optional Naim RS232 board  
IR Remote (handheld): NARCOM 4

#### POWER

Supply Voltage: 100-120V, 220-240V, 50 to 60Hz

Power Consumption: Max 290 VA

Quiescent Power Consumption: 20VA

#### PHYSICAL

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

Weight: 8.6kg

Shipping Weight: 11.4kg

Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)

Colour: Black

Finish: Anodised fascia, painted cover

#### FLATCAP XS



#### POWER

DC Outputs: 2 x 24V dual-rail

Mains Supply: 100-120V, 220-240V, 50 to 60Hz

#### PHYSICAL

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

Weight: 5.5kg

Shipping Weight: 7.5kg

Shipping Dimensions (mm): 580 x 500 x 200 (W x D x H)

Colour: Black

Finish: Anodised fascia, painted cover