

# KLIMAX DSM

## Reference Network Music Player and Pre-amp



### OVERVIEW

#### KEY FEATURES

- Plays digital music over a standard Ethernet network
- Built-in pre-amplifier with separate analogue and digital volume control circuits for each type of source
- Decodes FLAC, WAV, Apple Lossless (ALAC), MP3, WMA, AIFF, AAC and OGG audio formats with up to 24-bit 192 kHz native sample rate
- Streams internet radio, podcasts and 'listen again' broadcasts
- 8 inputs (Balanced (XLR), HDMI, S/PDIF, Toslink) for connection and up-sampling of additional sources
- Linn Dynamik Switch Mode Power Supply (SMPS)
- Acoustic enclosure machined from a solid billet of aluminium

Klimax DSM integrates the outstanding streaming performance of Klimax DS with a reference digital and analogue pre-amp, ensuring you hear the best from any audio source connected.

Using standard XLR or RCA analogue outputs, Klimax DSM can be connected to any power amplifier or Aktiv speaker, plus with Exakt Link connections, it's Exakt-ready for future system upgrades.

With analogue and digital inputs you can connect any audio or video source and make it sound incredible. Even sources connected via HDMI sound better as they benefit from the superior DAC and custom Linn up-sampling of the audio. Any video content on the HDMI signal is passed through to the display device.

Klimax DSM has been engineered to deliver integration without compromise. Signal paths have been reduced to a minimum by providing separate volume controls for analogue and digital sources. Analogue sources follow a pure analogue path through a high-quality dual-mono analogue volume control. Digital sources use a digital volume control that provides optimum performance thanks to its exceptionally low noise floor.

Klimax DSM can be controlled using your preferred touchscreen device with Linn's own control app. Browse your whole music collection and instantly access online music and movie content through your existing wi-fi home network.

Klimax DSM's acoustic enclosure is machined from a solid billet of high-grade aluminium. The audio circuit board and power supply are enclosed in separate aluminium 'rooms' within the chassis, screening and protecting them from vibration, thermal variations and electromagnetic interference to preserve the integrity of the music signal.

Available in a choice of anodised silver or black, Klimax DSM has the elegance to match its performance.



*Klimax DSM in anodised silver*



*Klimax DSM in black finish*



*Klimax DSM back panel*



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### TECHNICAL SPECIFICATIONS



Introduced	October 2011 (updated June 2014 with Exakt Link)
Type	Network music player and pre-amplifier with Exakt Link
Power Consumption	Sleep 19 W (HDMI disabled) Sleep 20W (HDMI enabled) Active 22W
Supported File Types	FLAC, Apple Lossless (ALAC), WAV, MP3, WMA (except lossless), AIFF, AAC, OGG
Word depths	16–24 bits
Audio sample rates	7.35 k, 8 k, 11.025 k, 12 k, 14.7 k, 16 k, 22.05 k, 24 k, 29.4 k, 32 k, 44.1 k, 48 k, 88.2 k, 96 k, 176.4 k, 192 k
Control protocol	Compatible with UPnP™ media servers, UPnP™ AV 1.0 control points
Analogue Inputs	1 x Balanced XLR (pair)
Analogue Outputs	1 x Balanced XLR (pair) 1 x RCA (pair)
HDMI Inputs	3 x HDMI Type A
HDMI Outputs	1 x HDMI Type A
S/PDIF In	1 x RCA phono
Optical In	2 x TOSLINK (JIS F05)
Exakt Links	2 x RJ45
Ethernet	100Base-T RJ45
Power Supply	Dynamik PSU
Mains supply frequency	50-60 Hz
Mains input voltage (auto-sensing)	100-120 V a.c. 200-240 V a.c.
Fuse	250 V, T1.6 A (not user replaceable)
Dimensions	60 mm (H) x 350 mm (W) x 355 mm (D) 2.4 inches (H) x 13.9 inches (W) x 14.1 inches (D)
Packed Dimensions	300mm (H) x 560mm (W) x 490mm (D) 11.9 inches (H) x 22.2 inches (W) x 19.4 inches (D)
Product Weight	8.6kg / 19lb
Standard finishes	Anodised Silver, Black
Analogue Input	XLR Input sensitivity: can be selected from 2 / 4 / 8 V RMS XLR Input impedance 7.8 k $\Omega$ XLR Coupling: Transformer/Direct
Analogue Output	XLR Output Level: 4v rms (0dBFS @ Volume 80) XLR Output Impedance: 300R XLR Output Coupling: Transformer RCA Output Level: 2v rms (0dBFS @ Volume 80) RCA Output Impedance: 300R RCA Output Coupling: Transformer
Analogue-to-Digital Conversion	Sample Rate: 192kHz 24bit Headroom to clipping: +1.2dB
Volume Control	Analogue Source Direct: Gain Range -80dB to +20dB Analogue Source Direct: Gain Resolution 1dB