

AKURATE DSM

Integrated 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
- 14 inputs (Analogue (XLR/RCA), HDMI, S/PDIF, Toslink) for connection and up-sampling of additional sources
- AUX input on front for easy connection of portable devices
- Headphone output
- Linn Dynamik Switch Mode Power Supply (SMPS)

Rediscover your music collection with Akurate DSM, a network music player and pre-amp that will reignite your passion for music.

Listen to your favourite albums and enjoy exceptional dynamic range and musical detail. With enough analogue and digital inputs to connect any audio source, Akurate DSM will bring music, movies, TV and games to life like never before.

Akurate DSM supports all popular digital music types, excelling with the highest quality recording format, Studio Master. You will also enjoy higher quality from your CDs or digital music collection. Play internet radio streams and podcasts through Akurate DSM and discover the difference a truly high fidelity digital music player can make to the latest online and on-demand music services.

Using standard analogue outputs, Akurate DSM can be connected to any power amplifier or Aktiv speaker, plus with Linn 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. Any digital sources will sound better as they benefit from the superior DAC and custom Linn up-sampling of the audio.

Akurate 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.

Housed in a precision-engineered acoustic enclosure, Akurate DSM is available in black or silver.



Akurate DSM in silver finish



Akurate DSM in black finish



Akurate DSM back panel



Akurate DSM with Akubarik loudspeakers

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TECHNICAL SPECIFICATIONS

Introduced	November 2011 (updated June 2014 with Exakt Link)
Type	Network music player and pre-amplifier with Exakt Link
Power Consumption	Sleep 26 W (HDMI disabled) Sleep 27W (HDMI enabled) Active 30W
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) 1 x RCA Inputs (Line Level) 1 x RCA Inputs (Line Level/MM/MC Configurable) 1 x 3.5mm Stereo Aux Input
Analogue Outputs	1 x Balanced XLR (pair) 1 x RCA Inputs (Line Level) 1 x 3.5mm Stereo Headphone
HDMI Inputs	4 x HDMI Type A
HDMI Outputs	1 x HDMI Type A
S/PDIF In	3 x RCA phono
S/PDIF Out	1 x RCA phono
Optical In	2 x TOSLINK (JIS F05)
Optical Out	1 x TOSLINK (JIS F05)
Exakt Links	4 x RJ45
Ethernet	100Base-T RJ45
Power Supply	Dynamik PSU
Mains supply frequency	50-60 Hz
Mains input voltage	100-120 V a.c.
(auto-sensing)	200-240 V a.c.
Fuse	250 V, T1.6 A (not user replaceable)
Dimensions	91 mm (H) x 380 mm (W) x 380 mm (D) 3.6 inches (H) x 15.1 inches (W) x 15.1 inches (D)
Packed Dimensions	220mm (H) x 480mm (W) x 520mm (D) 8.7 inches (H) x 19 inches (W) x 20.6 inches (D)
Product Weight	5.8kg / 13lb
Standard finishes	Silver, Black

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TECHNICAL SPECIFICATIONS (continued)



Analogue Input	<p><i>XLR Inputs:</i></p> <p>Input sensitivity: can be selected from 2 / 4 / 8 V RMS Input impedance 7.8 k Ω Coupling: Transformer/Direct</p> <p><i>RCA Inputs (Line Level):</i></p> <p>Input sensitivity: can be selected from 1 / 2 / 4 V RMS Input impedance: 7.8 kΩ</p> <p><i>RCA Inputs (MM):</i></p> <p>Max Input Voltage: 70.0mv @ 1kHz Gain: +40dB @ 1kHz Input impedance: 47kΩ / 68pF Signal-to-noise ratio: Better than 90 dB</p> <p><i>RCA Inputs (MC):</i></p> <p>Max Input Voltage: 5.0mv @ 1kHz (High gain Setting) Gain: +64dB @ 1kHz (High gain Setting) +54dB @ 1kHz (Low gain Setting) Input impedance: 180Ω / 10nF Signal-to-noise ratio: Better than 90 dB</p> <p><i>Aux Input (Line Level):</i></p> <p>Input sensitivity: can be selected from 1 / 2 / 4 V RMS Input impedance: 10 kΩ</p>
Analogue Output	<p>Output Attenuation: can be selected from 0dB/-12dB/-24dB XLR Output Level: 4v rms (0dBFS @ Volume 80) XLR Output Impedance: 300R XLR Output Coupling: Direct Coupled RCA Output Level: 2v rms (0dBFS @ Volume 80) RCA Output Impedance: 300R RCA Output Coupling: Direct Coupled H/Phone Output Level: 2v rms (0dBFS @ Volume 80)</p>
Analogue-to-Digital Conversion	<p>Sample Rate: 192kHz 24bit Headroom to clipping: +1.2dB</p>
Volume Control	<p>Analogue Source Direct: Gain Range -80dB to +20dB Analogue Source Direct: Gain Resolution 1dB Unity Gain at Volume 80</p>
SPDIF Digital Input Levels	<p>Min. input voltage 0.3 V (when terminated with 75 Ω) Input impedance: 75 Ω</p>