## SCD-025 Mk.II

SIGNATURE CD PLAYER



## The SCD-025 Mk.II: Deconstructed and recreated to achieve a peerless performance from your most precious CDs.

The SCD-025 Mk.II has a distinguished heritage, originally inspired as it was by the MP-D201 thus creating the most analogue-sounding red-book CD-player in existence.

Not content to locate the ideal drive for our SCD-025 Mk.II, we stripped it down to its basic mechanical and electronic parts and rebuilt it from the ground up. In doing so, we reduced the number of errors incurred when reading the digital information stored on discs, thus greatly reducing the amount of work required from the drive's correction system.

The principal reason for the upgrade was the introduction of a new USB interface, but we seized the opportunity to overhaul several aspects of the technology.

On the digital front, we threw everything we had at the project. From the start of the development process, we had decided to use sample-rate conversion in order to avoid 'jitter'. However instead of using a standard solution, we chose the DSP based module from Anagram Technologies, moving up from a Q5 module to a Q8.

Firstly, this conferred a higher degree of flexibility, since this module is programmable and can be upgraded to meet newer standards as they emerge.

Secondly, we achieve a sample rate of 384KHz where the current limit on standard solutions is 192KHz. The higher the sample rate the higher the bandwidth. Anagram Technologies has designed a master clock module to fully support their sample rate conversion modules, so the choice was easy if expensive.

"As a pure piece of audio design the SCD-025 is beautifully put together, but the the way that it so naturally brings digital music to life – whether from a CD or another digital source – is profoundly engaging. It is quite simply the best single-box CD player/DAC that I have heard to date."

## Chris Thomas - Hi-Fi + Magazine

The analogue stage employs our highly-regarded topology directly derived from our amplifiers. It is a discrete coupling using zero feedback, ultra linear transistors and high precession resistors. The resulting open loop bandwidth stands at 2.5MHz and gives a very linear phase response – one of the prime elements of correct musical harmony.

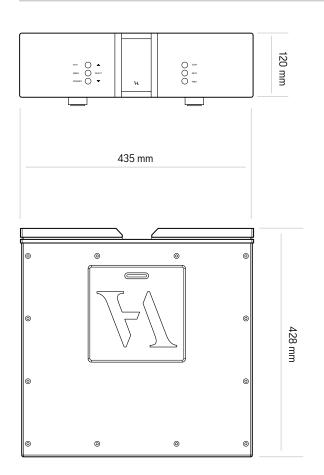
The power supply is split into four different and completely separate supplies – one each for the drive and digital audio part and two for the analogue stage (left and right).

With the SCD-025 Mk.II, we are bringing great musical performances into the digital domain.

OUTPUT         XLR analogue         RCA analogue           Available         1 (L+R)         1 (L+R)           Impedance         80Ω         80Ω           Frequency response         +800kHz         +800kHz           Signal to noise ratio         >110dB @ 1kHz         >110dB @ 1kHz           THD + noise         <0.01%         <0.01%           DRIVE           Drive mechanism         Phillips CD Pro 2LF (significantly modified by VA)           DIGITAL TECHNOLOGY           Master clock         24.576 MHz +/- 5 ppm           Samplerate converter         Engineered Q8           DAC         2x AD1955 - mono mode           DIGITAL AUDIO INPUTS         USB         AES/EBU & S/PDIF           Available         1x USB B         1x XLR & 1x RCA           Impedance         75 / 110Ω         Sample rate         384kHz + DSD128         192kHz           Resolution         24bit         24bit           DIGITAL AUDIO OUTPUT         Standard         1x XLR (AES/EBU) / 1x RCA (S/PDIF)           Sample rate         192kHz           Resolution         45W           POWER CONSUMPTION           Standby         <1W           Operati			
Impedance	OUTPUT	XLR analogue	RCA analogue
Frequency response +800kHz +800kHz  Signal to noise ratio >110dB @ 1kHz >110dB @ 1kHz  THD + noise <0.01% <0.01%  DRIVE  Drive mechanism Phillips CD Pro 2LF (significantly modified by VA)  DIGITAL TECHNOLOGY  Master clock 24.576 MHz +/- 5 ppm Samplerate converter Engineered Q8  DAC 2x AD1955 - mono mode  DIGITAL AUDIO INPUTS USB AES/EBU & S/PDIF Available 1x USB B 1x XLR & 1x RCA Impedance 75 / 110Q  Sample rate 384kHz + DSD128 192kHz  Resolution 24bit 24bit  DIGITAL AUDIO OUTPUT  Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W Operation 45W  DIMENSIONS  Height 135mm (including feet) Width 435mm Depth 428mm	Available	1 (L+R)	1 (L+R)
Signal to noise ratio >110dB @ 1kHz >110dB @ 1kHz  THD + noise <0.01% <0.01%  DRIVE  Drive mechanism Phillips CD Pro 2LF (significantly modified by VA)  DIGITAL TECHNOLOGY  Master clock 24.576 MHz +/- 5 ppm Samplerate converter Engineered Q8  DAC 2x AD1955 - mono mode  DIGITAL AUDIO INPUTS USB AES/EBU & S/PDIF Available 1x USB B 1x XLR & 1x RCA Impedance 75 / 110Q  Sample rate 384kHz + DSD128 192kHz  Resolution 24bit 24bit  DIGITAL AUDIO OUTPUT  Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm	Impedance	80Ω	80Ω
THD + noise < 0.01% < 0.01%  DRIVE Drive mechanism Philips CD Pro 2LF (significantly modified by VA)  DIGITAL TECHNOLOGY Master clock 24.576 MHz +/- 5 ppm Samplerate converter Engineered Q8  DAC 2x AD1955 - mono mode  DIGITAL AUDIO INPUTS USB AES/EBU & S/PDIF Available 1x USB B 1x XLR & 1x RCA Impedance 75 / 110Q  Sample rate 384kHz + DSD128 192kHz  Resolution 24bit 24bit  DIGITAL AUDIO OUTPUT  Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W Operation 45W  DIMENSIONS  Height 135mm (including feet) Width 435mm Depth 428mm	Frequency response	+800kHz	+800kHz
DRIVE Drive mechanism Philips CD Pro 2LF (significantly modified by VA)  DIGITAL TECHNOLOGY Master clock Samplerate converter Engineered Q8 DAC  DIGITAL AUDIO INPUTS USB AES/EBU & S/PDIF Available 1x USB B 1x XLR & 1x RCA Impedance 75 / 110Q Sample rate 384kHz + DSD128 192kHz Resolution 24bit  DIGITAL AUDIO OUTPUT Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF) Sample rate 192kHz Resolution 24bit  POWER CONSUMPTION Standby <1W Operation 45W  DIMENSIONS Height 135mm (including feet) Width 428mm	Signal to noise ratio	>110dB @ 1kHz	>110dB @ 1kHz
Drive mechanism       Phillips CD Pro 2LF (significantly modified by VA)         DIGITAL TECHNOLOGY         Master clock       24.576 MHz +/- 5 ppm         Samplerate converter       Engineered Q8         DAC       2x AD1955 - mono mode         DIGITAL AUDIO INPUTS         Available       1x USB B       1x XLR & 1x RCA         Impedance       75 / 110Ω         Sample rate       384kHz + DSD128       192kHz         Resolution       24bit       24bit         DIGITAL AUDIO OUTPUT         Standard       1x XLR (AES/EBU) / 1x RCA (S/PDIF)         Sample rate       192kHz         Resolution       24bit         POWER CONSUMPTION         Standby       <1W         Operation       45W         DIMENSIONS         Height       135mm (including feet)         Width       435mm         Depth       428mm	THD + noise	<0.01%	<0.01%
Drive mechanism       Phillips CD Pro 2LF (significantly modified by VA)         DIGITAL TECHNOLOGY         Master clock       24.576 MHz +/- 5 ppm         Samplerate converter       Engineered Q8         DAC       2x AD1955 - mono mode         DIGITAL AUDIO INPUTS         Available       1x USB B       1x XLR & 1x RCA         Impedance       75 / 110Ω         Sample rate       384kHz + DSD128       192kHz         Resolution       24bit       24bit         DIGITAL AUDIO OUTPUT         Standard       1x XLR (AES/EBU) / 1x RCA (S/PDIF)         Sample rate       192kHz         Resolution       24bit         POWER CONSUMPTION         Standby       <1W         Operation       45W         DIMENSIONS         Height       135mm (including feet)         Width       435mm         Depth       428mm	DDIVE		
DIGITAL TECHNOLOGY  Master clock  Samplerate converter  Engineered Q8  DAC  2x AD1955 - mono mode  DIGITAL AUDIO INPUTS  USB  AES/EBU & S/PDIF  Available  1x USB B  1x XLR & 1x RCA  Impedance  75 / 110\(\Omega\$)  Sample rate  384kHz + DSD128  192kHz  Resolution  24bit  24bit  DIGITAL AUDIO OUTPUT  Standard  1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate  192kHz  Resolution  24bit  POWER CONSUMPTION  Standby  45W  DIMENSIONS  Height  135mm (including feet)  Width  435mm  Depth  428mm		Philips CD Pro 21 E (cignifi	captly modified by VA)
Master clock 24.576 MHz +/- 5 ppm   Samplerate converter Engineered Q8   DAC 2x AD1955 - mono mode   DIGITAL AUDIO INPUTS USB AES/EBU & S/PDIF   Available 1x USB B 1x XLR & 1x RCA   Impedance 75 / 110Ω   Sample rate 384kHz + DSD128 192kHz   Resolution 24bit 24bit    DIGITAL AUDIO OUTPUT  Standard  1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate  192kHz  Resolution  24bit  POWER CONSUMPTION  Standby   <1W  Operation  45W  DIMENSIONS  Height  135mm (including feet)  Width  435mm  Depth  428mm	Drive mechanism	Fillips CD FIU ZLF (Sigilii	cantry mounted by VA)
Samplerate converter  DIGITAL AUDIO INPUTS  Available  1x USB B  1x XLR & 1x RCA  Impedance  75 / 110\Omega  Sample rate  384kHz + DSD128  192kHz  Resolution  24bit  24bit  DIGITAL AUDIO OUTPUT  Standard  1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate  192kHz  Resolution  24bit  POWER CONSUMPTION  Standby  45W  Operation  435mm  Depth  428mm	DIGITAL TECHNOLOGY		
DIGITAL AUDIO INPUTS  VSB  AES/EBU & S/PDIF  Available  1x USB B  1x XLR & 1x RCA  Impedance  75 / 110Ω  Sample rate  384kHz + DSD128  192kHz  Resolution  24bit  24bit  DIGITAL AUDIO OUTPUT  Standard  1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate  192kHz  Resolution  24bit  POWER CONSUMPTION  Standby  <1W  Operation  45W  DIMENSIONS  Height  135mm (including feet)  Width  435mm  Depth  428mm	Master clock	24.576 MHz +/- 5 ppm	
DIGITAL AUDIO INPUTS  Available  1x USB B  1x XLR & 1x RCA  Impedance  75 / 110\Omega  Sample rate  384kHz + DSD128  192kHz  Resolution  24bit  24bit  DIGITAL AUDIO OUTPUT  Standard  1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate  192kHz  Resolution  24bit  POWER CONSUMPTION  Standby <iw (including="" 135mm="" 428mm<="" 435mm="" 45w="" depth="" dimensions="" feet)="" height="" operation="" th="" width=""><th>Samplerate converter</th><th>Engineered Q8</th><th></th></iw>	Samplerate converter	Engineered Q8	
Available         1x USB B         1x XLR & 1x RCA           Impedance         75 / 110Ω           Sample rate         384kHz + DSD128         192kHz           Resolution         24bit         24bit           DIGITAL AUDIO OUTPUT           Standard         1x XLR (AES/EBU) / 1x RCA (S/PDIF)           Sample rate         192kHz           Resolution         24bit           POWER CONSUMPTION           Standby         <1W           Operation         45W           DIMENSIONS           Height         135mm (including feet)           Width         435mm           Depth         428mm	DAC	2x AD1955 - mono mode	
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Impedance         75 / 110Ω           Sample rate         384kHz + DSD128         192kHz           Resolution         24bit         24bit           DIGITAL AUDIO OUTPUT           Standard         1x XLR (AES/EBU) / 1x RCA (S/PDIF)           Sample rate         192kHz           Resolution         24bit           POWER CONSUMPTION           Standby         <1W           Operation         45W           DIMENSIONS           Height         135mm (including feet)           Width         435mm           Depth         428mm			
Sample rate 384kHz + DSD128 192kHz  Resolution 24bit 24bit  DIGITAL AUDIO OUTPUT  Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm		1x USB B	
Resolution 24bit 24bit  DIGITAL AUDIO OUTPUT Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF) Sample rate 192kHz Resolution 24bit  POWER CONSUMPTION Standby <1W Operation 45W  DIMENSIONS Height 135mm (including feet) Width 435mm Depth 428mm	<u> </u>		· · · · · · · · · · · · · · · · · · ·
DIGITAL AUDIO OUTPUT  Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm	· · ·		
Standard 1x XLR (AES/EBU) / 1x RCA (S/PDIF)  Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm	Resolution	24bit	24bit
Sample rate 192kHz  Resolution 24bit  POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm	DIGITAL AUDIO OUTPUT	_	_
Resolution 24bit   POWER CONSUMPTION   Standby <1W   Operation 45W    DIMENSIONS  Height  135mm (including feet)  Width  435mm  Depth  428mm	Standard	1x XLR (AES/EBU) / 1x RCA	A (S/PDIF)
POWER CONSUMPTION  Standby <1W  Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm	Sample rate	192kHz	
Standby <1W Operation 45W  DIMENSIONS Height 135mm (including feet) Width 435mm Depth 428mm	Resolution	24bit	
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Operation 45W  DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm			
DIMENSIONS  Height 135mm (including feet)  Width 435mm  Depth 428mm			
Height         135mm (including feet)           Width         435mm           Depth         428mm	Operation	45W	
Width         435mm           Depth         428mm	DIMENSIONS		
Width         435mm           Depth         428mm	Height	135mm (including feet)	
Weight 26kg	Depth	428mm	
	Weight	26kg	



## SCD-025 Mk.II DEVICE OVERVIEW





Material: Aluminium for body parts Dimensions (H x W x D):  $135 \times 435 \times 428$  (mm) Weight: 26kg







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