

cocktail **Audio X40**

**DSD**  
Direct Stream Digital

**DXD**  
Digital eXtream Definition

**HD** MUSIC  
**32Bit/384Khz**  
High Resolution Audio



qobuz

**simfy**  
music

**RECIVA**  
INTERNET RADIO

# World-Class High-resolution Digital Audio

P o w e r e d b y N O V A T R O N

**DSD**  
Direct Stream Digital

**DXD**  
Digital eXtream Definition

**HD<sup>MUSIC</sup>**  
**32Bit/384Khz**  
High Resolution Audio



## World-Class High-resolution Digital Audio

**Premium DSD DXD Audio DAC featuring native DSD file direct playback,  
Music Server with database, CD Ripper, Network Streamer**

- Playback of DSD64 (2.8224MHz), DSD128 (5.6448MHz), DXD (24bit/352.8KHz), PCM signal up to 32bit/384KHz including 24bit/192KHz WAV/FLAC and full range of hi-res audio file formats
- ES9018K2M Sabre<sup>32</sup> Reference DAC built-in
- XMOS 32Bit/500MIPS digital signal processing unit
- Phono INPUT (Moving Magnet) for turntable
- Load your vinyl and cassette tape collections to the X40 in 192kHz sample rate
- Music Streaming Services like Qobuz, Simfy and Internet Radio.
- UPnP Media Server & Renderer for streaming playback and control remotely via network.
- 5 inch full color TFT LCD for intuitive GUI
- HDMI Out connector for using an external screen like TV as its GUI screen
- Supports up to 3.5" SATA hard disk 4TB, 2.5" hard disk and SSD
- Toroidal transformer minimizing idle noise
- FM Radio Tuner built-in
- Recording with hi-res 24bit/192KHz sample rate
- Provides the customized Web Interface(WebUI) for remote control and MusicDB management
- Works with various free apps available at app stores
- Rugged chassis construction with 12mm thickness aluminum front
- Versatile software functionalities



※ Subscription required for online music services





- SIGNAL GROUND
- POWER SWITCH
- AC IN  
(220 - 240V, 50/60Hz)  
※ 110V version is also available
- ANALOG OUT (Pre-Out)
  - BALANCED : L/R, AES/EBU XLR
  - UNBALANCED : L/R, RCA
- DIGITAL OUT  
TOSLINK, COAXIAL, AES/EBU XLR
- DIGITAL IN  
TOSLINK, COAXIAL
- PHONO IN  
(MM Input)
- ANALOG IN
- FM TUNER
- HDMI OUT(for video only)  
Connect to external screen as bigger GUI screen
- ETHERNET(wired LAN)
- STORAGE DRIVE BAY  
(drawer)
- USB HOST 2.0



# Native DSD file direct playback

Store DSD files in the X40 storage and just play it with the X40 directly.

The X40 supports DSD64 (2.8224MHz), DSD128 (5.6448MHz), DXD (24Bit/352.8KHz) and PCM up to 32Bit/384KHz sample rate including 24bit/192KHz WAV/FLAC.

## • World-Class Premium DSD DAC (Digital to Analog Converter)

The X40 applies ESS Sabre DAC ES9018K2M cooperating with XMOS 32Bit/500MIPS Digital Signal Processor.

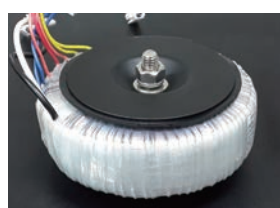


## • SABRE<sup>32</sup> Reference DAC ES9018K2M Patented 32bit Hyperstream DAC

- 127dB DNR
- -120dB THD+N



## • XMOS 32Bit/500MIPS Digital Signal Processing unit



## • Toroidal Transformer

The power supply features toroidal transformer minimizing idle noise.



**DSD**  
Direct Stream Digital

**DXD**  
Digital eXtream Definition

**HD MUSIC**  
**32Bit/384Khz**  
High Resolution Audio

**HD FLAC (24bit/192KHz)**

**HD WAV (24bit/192KHz)**

**APE/CUE**

**WAV**

**flac**  
freedownloadcenter.com

**ALAC**

**AIFF**

**AIF**

**AAC**

**M4A**

**MP3**  
AUDIO

**Ogg**

**WMA**

**PCM**

**M3U**

**PLS**



### • High quality Analog Out terminal

The high quality analog out terminal guarantees lossless signal transmission.  
Enjoy ultra high quality sound via Analog Out and Headphone Out of the X40



### • Balanced & Unbalanced Analog Out (Pre-Out)

- Unbalanced RCA, L/R, Pre-Out, Dynamic Range: -120dB THD+N (Max 2Vrms, Stereo), 127dB DNR
- Balanced AES/EBU XLR, L/R, Pre-Out, Dynamic Range: -120dB THD+N (Max 4.5Vrms, Stereo), 127dB DNR

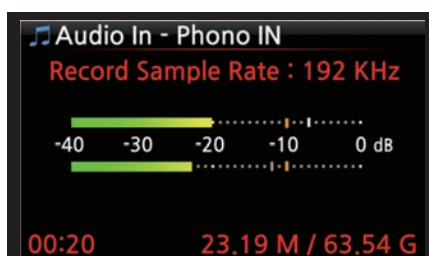


### • Headphone Out

6.35mm jack, 500mW+500mW at 1KHz, 32 ohm, 0.1% THD

# Load your vinyl to the X40 in Hi-Res digital audio file

Load your vinyl and cassette tape collections to the X40 in 192KHz sample rate and even edit them after recording



## • Phono IN (MM Input)

Connect turntable to the X40 Phono IN directly to play or record. Load your vinyl collections to the X40 in 192KHz, 96KHz or 48KHz sample rate and even edit them after recording



## • Hi-res digital output / input (24bit/192kHz)

# HDMI Out connector for external screen as GUI screen

Connect to your TV to view bigger GUI or a slideshow of photos while listening to your tracks



## • HDMI OUT for external screen

Connect external big screen through HDMI out



## • Aluminum CNC cutting

Front panel is based on 12mm thickness aluminum by CNC cutting.  
Volume knob and button are all aluminum by CNC cutting



## • FM Radio Tuner



# Networking

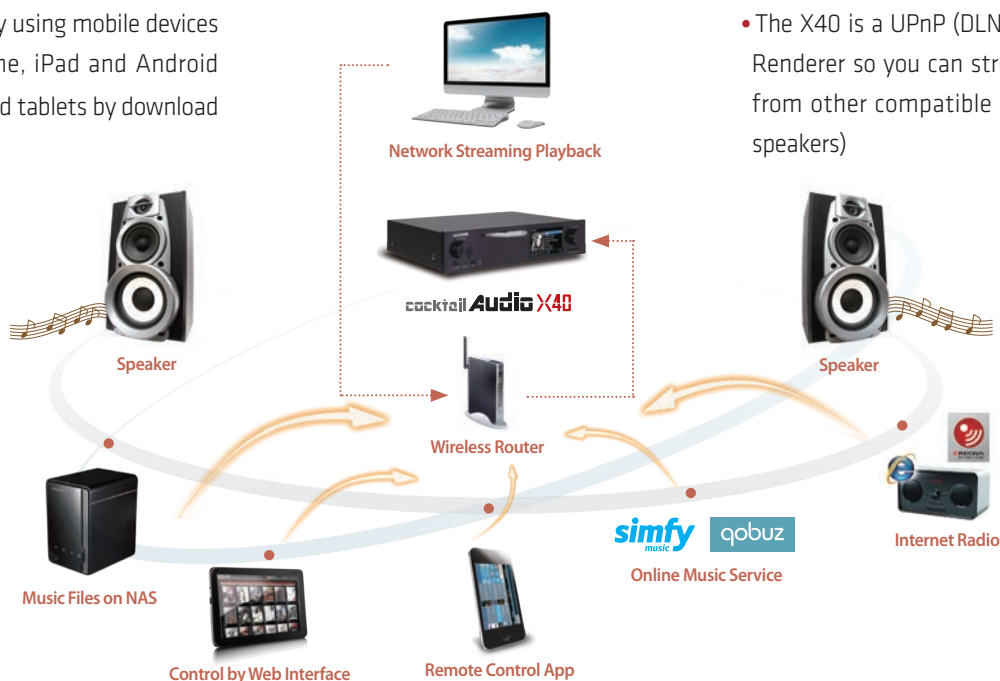
Connect the X40 to your network to stream music to and from other devices, listen to cloud based music services and control remotely using mobile devices



## Shareplay

Play songs from iOS devices on the X40 wirelessly with 'Shareplay'

- Control remotely using mobile devices including: iPhone, iPad and Android smartphones and tablets by download free UPnP Apps



- The X40 is a UPnP (DLNA) Media Server & Renderer so you can stream music to and from other compatible devices (e.g. WiFi speakers)

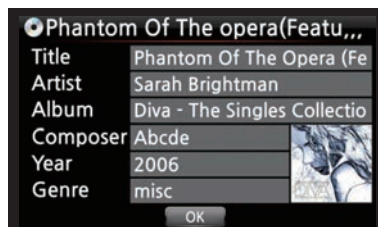
- Use the cocktailAudio Web Interface to control the X40 and manage the Music DB remotely

- Manage your files (Copy, move or delete) over a network thanks to support for Samba

- Access music streaming services: Qobuz, Simfy and Internet Radio

# CD Ripping

Load all your CDs onto the X40 in FLAC, ALAC, WAV, MP3 or Ogg file format with CD tag info and album cover art



## • Built-in Music Database

The X40 has a well-organized Music Database built-in. Display all songs by album, artist, genre, composer or title and even search



## • Up to 4TB internal storage

The X40 supports up to 4TB 3.5" and 2.5" SATA HDDs (Hard Disk Drives) and also SSDs (Solid State Drives)



| Storage Drive Bay |



| 3.5inch HDD |



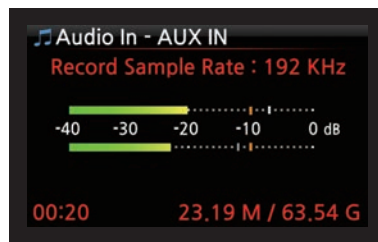
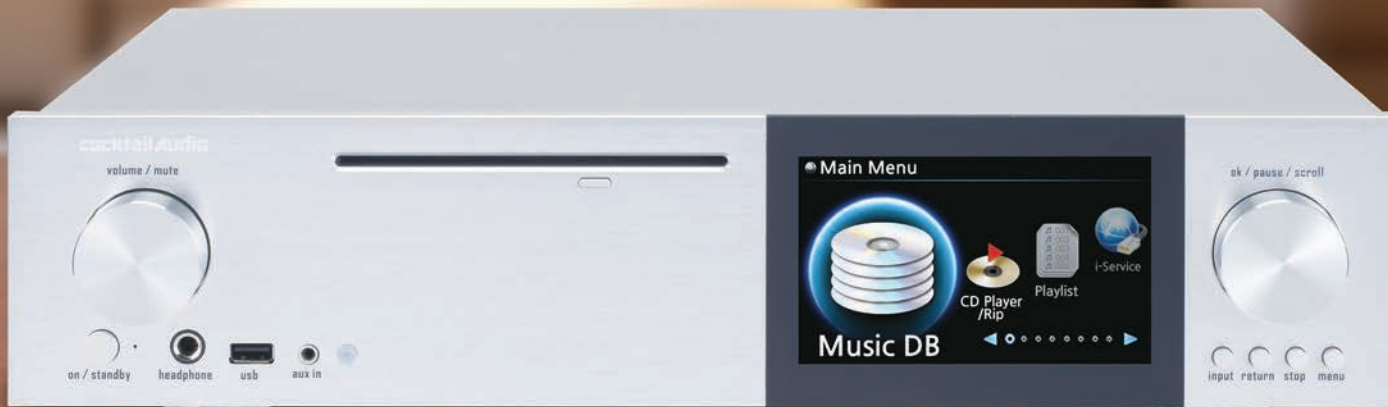
| 2.5inch HDD |



| 2.5inch SSD |

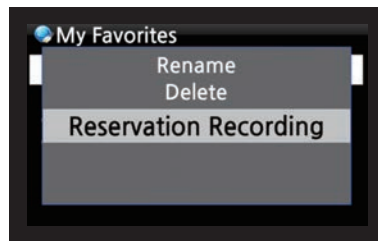


# The useful functions



## • Record in 192KHz sample rate

Record from Analog IN, AUX IN, FM Radio and iRadio to high quality digital file like 192KHz sample rate



## • Reservation Recording

Schedule when you want the X40 to record iRadio with reservation recording



## • Edit recorded files

Edit recorded files cutting by unit of track or adding album tag info



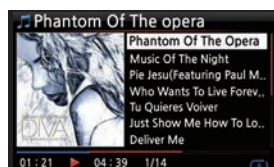
## • Audio file format conversion

Convert existing audio files into other formats, (e.g. MP3, FLAC, WAV, M4A) for use on other devices - MP3 player, car stereo, etc





## • Gapless Playback



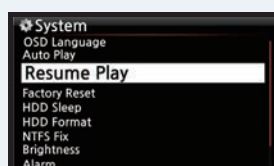
## • Section Repeat

Set specific section to play repeatedly



## • Photo Slideshow

Photo slideshow while listening to your tracks



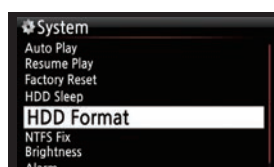
## • Resume Play

After booting up, resume playing automatically where it was last stopped.



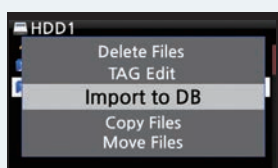
## • Scroll Speed

Control text scroll speed on the screen



## • HDD Format

Easy solution to format hard disk with Linux file system or NTFS

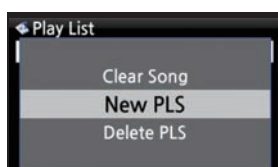


## • Import & Export your music

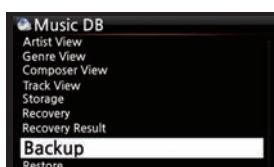
Import/Export music to/from the X40 Music DB via USB or over a network



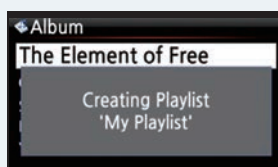
## • Edit music tag info



## • Make Playlist

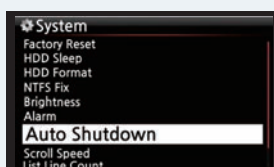


## • Music DB backup & Restore



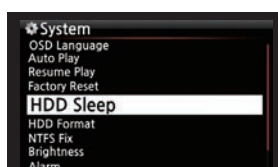
## • Make 'My Playlist'

This is virtual playlist



## • Auto Shutdown

Schedule when you want the X40 powered off



## • HDD Sleep

Go into sleep mode as set



## • USB Keyboard

Use an USB keyboard to edit song tag info easily

# SPECIFICATION

Model name	CA-X40			Remarks	
Host CPU & Memory	Embedded 700Mhz MIPS				
	Main Memory (4Gbit, DDR2 800Mhz)				
	Firmware Memory (4Gbit)				
CD Player	Type	Front Loading			
	Supported media	CD, CD-DA, CD-R, CD-RW, DVD-R/RW			
Display	5" TFT LCD (800x480 pixel)				
	External screen to be connected through HDMI connector				
Interface	Remote Control, PC, iOS & Android devices with customized Web Interface (WUI) or various free UPnP Tablet & Smartphone Apps				
ANALOG OUT	Balanced (Pre-out)	AES/EBU XLR, Dynamic Range : -120dB THD+N (Max 4.5Vrms, Stereo), 127dB DNR		DAC IC : ES9018K2M SABRE <sup>32</sup>	
	Unbalanced (Pre-out)	RCA L/R, Dynamic Range : -120dB THD+N (Max 2Vrms, Stereo, 127dB DNR			
	Headphone Out	6.35mm jack, 500mW+500mW@1Khz, 32 ohm, 0.1% THD			
DIGITAL OUT	Toslink x 1	Sample Rate : up to 24bit/192Khz		Max 0dB, Volume controllable	
	COAXIAL x 1	SPDIF 75ohm RCA, Sample Rate : up to 24bit/192Khz			
	AES/EBU XLR x 1	110ohm, Sample Rate : up to 24bit/192Khz			
DIGITAL INPUT	Toslink x 1	Sample Rate : up to 24bit/192Khz			
	COAXIAL x 1	Sample Rate : up to 24bit/192Khz			
PHONO IN	MM Input	Sensitivity 7.5mV			
ANALOG INPUT	LINE IN x 1	L & R RCA at the rear, 2V rms			
	AUX IN x 1	3.5mm Phone Jack on the front, 800mV rms			
TUNER	FM Radio	Tuning Range (FM 87.5 - 108MHz) FM Antenna input Impedance : 75ohm unbalance		RDS is supported	
Connectivity	3 x USB Host ports		Front	1x USB Host	
			Rear	2x USB Host	
	Network	Wired	Ethernet (10/100Mbps) LAN		
		Wireless (Optional)	※ 801.11b/g/n WiFi USB dongle (Optional)		
HDMI OUT (video only)	Connecting to external big screen like TV for GUI display and photo slide show				
POWER SUPPLY	Audio Power Supply		Toroidal Transformer, Power 75W		
	Standby Power Supply		5V/1A SMPS		
Supported Storage	Hard Disk	2.5" SATA, up to 4TB	Removable storage tray (drawer) is provided.		
		3.5" SATA, up to 4TB			
	SSD	2.5" SATA, up to 4TB			
Supported audio Codec & format	DSD64 (2.8224MHz), DSD128 (5.6448MHz), DXD (24Bit/352.8KHz), up to 32Bit/384KHz PCM signal including HD FLAC (24Bit/192KHz), HD WAV (24Bit/192KHz), APE/CUE, WAV, FLAC, ALAC, AIFF, AIF, AAC, M4A, MP3, WMA, Ogg Vorbis, PCM, M3U, PLS, etc				
Network Protocol supported	UPnP (DLNA) Server/Client/Media Renderer, Samba Server/Client, FTP Server, Web Server, etc				
Internet Service	Internet Radio	Reciva Internet Radio			
	Online Music Service	Qobuz, Simfy ※ Subscription required			
Supported OSD Lang.	English, German, French, Spanish, Italian, Polish, Czech, Dutch, Traditional Chinese, Russian, Danish, Korean, etc (To be added by request)				
Power Source	AC 220V - 240V, 50/60Hz (For Europe) ※ 110V version is also available.				
Mechanical	Material	Front	12mm thickness aluminum by CNC cutting		
		Knob	Aluminum by CNC cutting		
		Chassis	Metal		
	Dimension	without foot	435mm(W) x 325mm(D) x 88mm(H)		
		with foot	435mm(W) x 325mm(D) x 98.5mm(H)		
Certificate	CE, FCC, EMI, etc				

※ Specification to be changed without notification

Distribuito in esclusiva in Italia da POLARIS AUDIO SRL - Roma

**Internet:** [www.cocktailaudio.it](http://www.cocktailaudio.it)

**Telefono:** 06-91.650.8973

**NOVATRON**

**cocktailAudioX40**