Hi-Res **Pure Digital Music**
Server & Player

Most versatile and Powerful Pure Digital Music Server, CD Ripper and Network Streamer

High Performance System Resources

- Dual Core ARM Cortex A9 processor running at 1.0GHz
- DDR-1066 1GByte Main Memory and 8GByte Nand Flash Memory
- High speed internal data processing for backup, copy, etc
- RAID storage for up to 12TB storage expansion

Hi-Res Audio Formats are supported

- DSD64, DSD128, DSD256 are supported via DSD to I²S hardware conversion
- Hi-res 24bit/192Khz WAV, FLAC files are also supported

Convenient Control

- 7 inch TFT LCD(1024x600 pixels) screen for intuitive GUI
- Customized Remote Control App for iOS and Android
- HDMI Out Connector for an external screen as GUI screen

Other Great Features & Functions

- Dedicated USB Audio Class 2.0 Output
- DAB/DAB+ Tuner built-in
- Versatile software functionalities
- CD Ripping capability with CD metadata and album cover art
- Airplay & Google Cast for Audio will let you
  play music in iOS and Android devices via X20

Major Online Muisc Services integrated

- TIDAL, Deezer, Qobuz, Airable are integrated
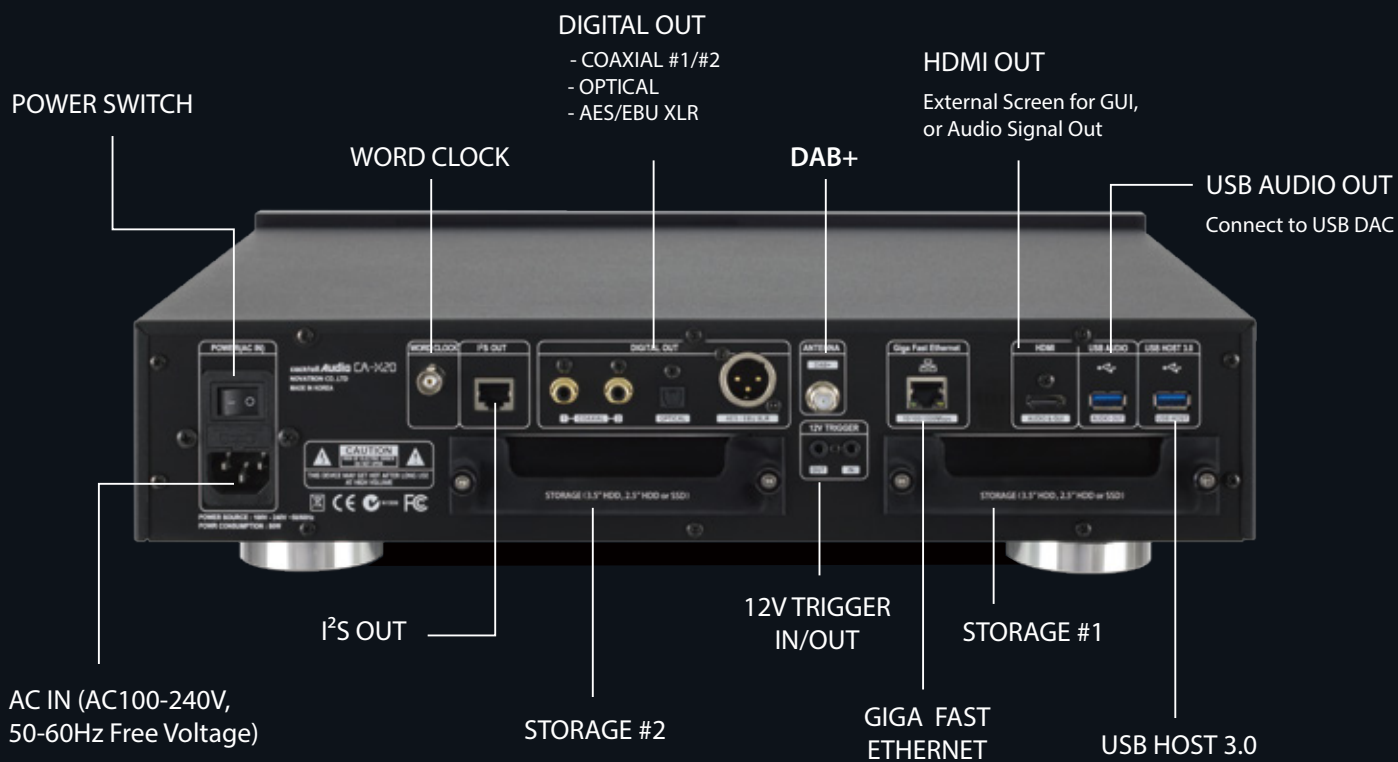- Soptifiy Connect is supported

Versatile Network Protocols

- UPnP(DLNA) Server/Client/Media Renderer for
  streaming playback and control remotely via network
- Samba Server/Client

High Connectivity & Others

- COAXIAL Out x 2 EA, Optical Out x 1 EA, AES/EBU/XLR x 1 EA
- I²S Out x 1 EA
- Word Clock
- 12V Trigger IN/OUT
- USB Audio Class 2.0 Output for connecting to USB DAC
- USB Host 3.0

Hi-Res Pure Digital Music
Server & Player

DIGITAL OUT
- COAXIAL #1/#2
- OPTICAL
- AES/EBU XLR

HDMI OUT
External Screen for GUI,
or Audio Signal Out

POWER SWITCH

WORD CLOCK

DAB+

USB AUDIO OUT
Connect to USB DAC

I²S OUT

STORAGE #2

12V TRIGGER
IN/OUT

STORAGE #1

AC IN (AC100-240V,
50-60Hz Free Voltage)

GIGA FAST
ETHERNET

USB HOST 3.0

Specification

Model name	cocktailAudio X20			Remarks
Host CPU & Memory	CPU: Dual Core ARM Cortex A9 running at 1.0GHz			
	Main Memory: DDR-1066 1GByte			
	NAND Flash 8GByte			
CD Player	NAND Flash 8GByte			
	Type	Front Loading		
	Supported media	CD, CD-DA, CD-R, CD-RW, DVD-R/RW		
Display	7.0" TFT LCD(1,024 x 600pixels)(* able to connect to ext. screen via HDMI out)			
Interface	Key & Jog(Volume/Scroll), IR Remote Control, Customized Remote App for iOS and Android devices, Web Interface			
Digital out (Variable/Fixed)	COAXIAL x 2	S/PDIF 75ohm RCA, Sample rate: up to 24bit/192KHz		
	TOSLINK x 1	S/PDIF, Sample rate: up to 24bit/192KHz		
	AES/EBU/XRL x 1	110ohm, Sample rate: up to 24bit/192KHz		
	I^2S Out x 1	Sample rate: up to 24bit/192KHz		
	USB Audio x 1	USB Audio Class 2.0 Out(supported up to DSD256)		
	HDMI Out x 1	HDMI Audio Out(*Shared with HDMI Out for external screen)		
	Word Clock Out	up to 192KHz		
Supported Storage	Hard Disk	2.5" SATA, up to 6TB	* Two(2) Storage Decks * RAID System for two storages (4 modes: JBOD, BIG, Raid 0, 1)	
		3.5" SATA, up to 6TB		
	SSD	2.5" SATA, up to 6TB		
Tuner	DAB/DAB+	DAB/DAB+ Tuner built-in		
Connectivity	USB Host	USB3.0(5V/1A) x 1 at rear USB2.0(5V/1A) x 1 at front		
	Network	Wired	Giga Fast Ethernet(10/100/1000Mbs)	
		Wireless(Option)	※ 802.11b/g/n WiFi USB dongle(Option)	
	12V Trigger	Out	Max 200mA, 12V	
		In	Max 12V	
	HDMI Out	Connect to external screen(* Shared with HDMI Audio Out)		
Codec & Format supported	DSD(DSD64, DSD128, DSD256), DXD(24Bit/352.8KHz), HD WAV(24Bit/192KHz), HD FLAC(24Bit/192KHz), APE/CUE, WAV, FLAC, ALAC, AIFF, AIF, AAC, M4A, MP3, WMA, Ogg Vorbis, PCM, M3U, PLS, etc			
Network Protocols Supported	UPnP(DLNA) Server/Client/Media Renderer, Samba Server/Client, FTP Server, Web Server, etc			
Internet Services	Internet Radio	Airable		
	Online Music Services	TIDAL, Deezer, Qobuz, Spotify Connect		
Supported OSD languages	English, German, French, Spanish, Italian, Polish, Dutch, Russian, Traditional Chinese, Korean,(To be added by request)			
Power Source	AC110 - 240V / 50 - 60Hz Free Voltage			
Dimension	Including foot; 441mm(W) x 330mm(D) x 100mm(H)			
Certificate	CE, FCC, EMI, etc			

※ Specification may be changed without notification

NOVATRON

www.cocktailaudio.com
e-mail : nwkoh@novatron.co.kr

cocktailAudio X20