

World-Class high-resolution digital audio

A revolutionary all-in-one hi-res system

Just and speakers for exceptional sound!



NOVAFIDELITY X35

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



Comprehensive feature set

- High-performance dual core ARM Cortex A9 processor running at 1.0Ghz
- ESS ES9018K2M Sabre³² Reference DAC chip built-in
- Two separate high-performance class D amplifiers for left and right channel, 100 watts each
- Isolated power source circuit design for digital and analogue inputs
- Torodial transformer to minimise idle noise
- High speed optical disk drive for quick and accurate CD ripping
- Built-in 7 inch TFT LCD (1024 x 600 pixel) screen for intuitive operation
- DAB+/FM tuner built-in
- Giga fast ethernet (10/100/1000Mbps) built-in
- Support for up to 8TB of storage on 3.5"/2.5" HDD or SSD
- Rugged metal chassis construction with 13mm CNC cut aluminium front panel and knobs
- HDMI out connector for using an external screen to display a large GUI

Extensive compatibility and a versatile feature set

- Support for various file formats including MQA, DSD(64/128/256), DXD(24Bit/352.8Khz), PCM up to 32Bit/384Khz including 24Bit/192Khz HD WAV/ HD FLAC and a full range hi-res audio file formats
- Superb sound quality delivered by the ES9018K2M Sabre³² Reference DAC
- CD ripping with metadata and album cover art provided by Gracenote
- Connect a turntable via the phono input to play vinyl directly, the signal is also mirrored to the digital outputs
- Load your vinyl and cassette tape collections, DAB+/FM radio, internet radio to the X35 MusicDB via the recording function with a hi-res sampling rate of 192Khz
- Play hi-res files (PCM, MQA, DSD, etc) in your PC directly through the X35 via its advanced USB DAC function
- High connectivity through numerous digital and analogue options
- Versatile network functions such as UPnP(DLNA) Server/Client/Media Renderer, Samba Server/Client, FTP Server, Web Server, etc
- Music streaming services (TIDAL, TIDAL MQA, Deezer, Qobuz, Napster, Amazon Music, Highresaudio) and internet radio (Airable)
- Customised remote control App 'NOVATRON MusicX' for iOS and Android
- Customised WebInterface(WebUI) for remote control and MusicDB management by PC
- 'Roon Ready' for use as a Roon end-point





What is the NOVAFiDELITY X35?

The X35 is a highly specified hi-res all-in-one Hi-Fi system, with a premium quality DAC chip and class D power amplifier built-in. It combines CD ripping, music database with extensive metadata and cover art, music server, DAB+/FM tuner, recording function, comprehensive analogue and digital connections, network streaming and an intuitive 7 inch screen. The X35 offers everything required for enjoying high resolution audio, just add speakers!





All-in-one Hi-Fi system

Just add speakers for a great hifi system boasting versatile functions and many features.

Breathtaking sound quality through circuit design technology expertise and high quality components

Equipped with carefully chosen and implemented components, such as the ESS Sabre³² Reference DAC ES9018K2M, two high performance digital amplifiers, TCXO oscillator and a high quality toroidal transformer, including isolated power source circuit design, Novatron's in-house experience and excellence in circuit design presents a product able to deliver an outstanding musical performance.

High performance operating system and custom-designed software

Based on a dual core ARM Cortex A9 processor running at 1.0GHz and custom-designed software, the X35 is designed to fully satisfy all music lovers with fast intuitive operation and versatile features.



Two high performance digital amplifiers for left and right channels, with a total of 200 watts and low harmonic distortion

The X35 features two separate class D amplifiers, one per channel, to offer powerful sound with extremely low harmonic distortion.



Support for various hi-res audio formats

MQA, PCM 384Khz/32Bit, 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, CAF, Ogg Vorbis, PCM, M3U, PLS, etc

DSD	DXD	PCM	flac	HD FLAC (24bit/192KHz)	
	WAV	WMA	M4A	HD WAV (24bit/192KHz)	
	Ogg	M3U	PLS	MP3	APE/CUE
CAF	ALAC	AIFF	AIF		



CD ripping



CD ripping with Gracenote CD metadata and album cover art

Load CDs onto the X35 Music Database as FLAC, ALAC, WAV, AIFF or MP3 files, with metadata and album cover art provided by Gracenote.



Music Database function

The X35 has a well-organised Music Database built-in, which offers useful and intuitive functions such as search, text or cover art display modes and A-Z, Z-A, or origin sort option.

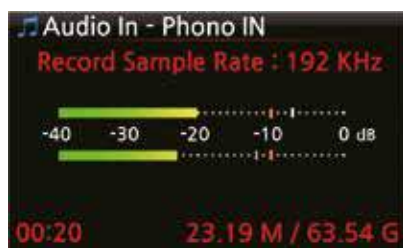




Record vinyl to the X35 as hi-res audio files

🔗 Phono input for turntables

Turntables can be connected directly, enabling users to enjoy their vinyl collection through the X35 and also archive music to high quality digital files. The X35 then offers an intuitive auto cutting feature, for easy organisation and cataloguing of the resulting recordings.



🔗 Hi-res recording upto 192kHz sample rate

The X35 offers a recording function for internet radio, DAB/FM tuner, analogue in, phono in, AUX in, and all digital inputs. With high quality A-D conversion and sample rates upto 192kHz, recordings can be made and catalogued from a variety of sources.

🔗 Auto/manual cutting of recorded files

An intelligent auto/manual cutting feature allows for easy editing of any recorded file. Once recorded files can be simply sectioned, named and organised for easy future access.

Versatile networking and remote control with a customised App

Connect the X35 to home networks for streaming music to and from other devices, listen to internet based music services and control it remotely using mobile devices with the customised remote control app, 'NOVATRON MusicX' or 'WebInterface'.



Control remotely with mobile devices with the customised remote control App, 'NOVATRON MusicX'



Integrated music streaming services

Access tens of thousands of internet radio stations and online music services such as TIDAL, Deezer, Napster, Qobuz, High Res Audio, Spotify Connect, and Amazon Music.



Control remotely by PC with WebInterface

Control the X35 and manage the music database remotely from PCs with the convenient WebInterface function. Just enter the device IP address in a browser to load the interface.

Support various network protocols like UPnP Server/Client/Renderer, Samba Server/Client

Stream songs to and from other compatible devices in the same network.

AirPlay and Spotify Connect

Play songs from iOS devices and music from Spotify via the X35 wirelessly.

Control the X35 from Roon

The X35 is 'Roon Ready' for control via the Roon application.



⌚ Built-in 7 inch TFT LCD screen for easy navigation and HDMI out for external screens

A generous 7 inch screen allows for easy navigation and control of the X35 GUI. Whilst the HDMI connection can mirror the GUI on a larger external screen or TV and even display a slideshow of photos whilst music is playing.



⌚ DAB+/FM tuner built-in

Enjoy high quality digital radio via a DAB+ tuner or the traditional FM receiver and record any song or broadcast with high quality sound .



⌚ High connectivity

The X35 offers 2x USB 3.0 host, 1x USB2.0 host, GigaFast Ethernet LAN and HDMI out for external screens.



⌚ Multiple inputs and outputs for connecting external devices

- USB audio class 2.0 output
- Digital out (coax, toslink, AES/EBU, HDMI)
- Digital in (coax, toslink, AES/EBU)
- Analogue output and input
- Phono input



⌚ Rugged and durable chassis

The X35 front panel is formed of 13mm thick CNC cut aluminium and has a completely metal chassis. The die-cast aluminium feet provide rigidity along with additional resistance from external vibrations.

⌚ On board storage for use as a music server

3.5"/2.5" SATA hard disk and Solid State Drive(SSD) can be inserted in the X35, up to 8TB capacity. Install any storage easily thanks to a customised storage drive bay.



Multi-functional features

Made possible by custom-designed smart software, developed in-house by Novatron's R&D center



Listing by text or cover art

Display album or song lists by text or cover art by pressing the TEXT/ART key on the remote control



Alarm

The X35 offers an alarm function



Sleep function

Pressing the SLEEP key on the remote control will make the X35 power off automatically after a set time



Clock & Display OFF

Pressing the CLOCK key on the remote control will make the X35 screen show the current time or turn the display off



Jump to song mode

On the 'Now Playing' screen, pressing the CAP/NUM key on the remote control will lead you to 'Jump to Song Mode'. Pressing a numeric key will then jump to that song number



Seek to percent mode

With 'Seek to Percent Mode' pressing a numeric key will seek the location of the playing file as a percentage of the total duration



Auto CD ripping function

When ripping many CDs, the Auto CD ripping function is helpful. Insert a CD into the X35 and the whole ripping process is automated until the CD is ejected



Display mode

Display the Music DB list by album, genre, track, artist, composer, year, mood, etc



Merge multi-albums into one folder (album)

Rip multi-albums into one convenient album folder



Reservation recording

Schedule when the X35 will record internet radio with reservation recording



Auto cutting function

Using this function, easily edit recorded files



Edit recorded files

Edit recorded files by cutting to a new track and adding album/track tag info



ROON ready

Use the 'ROON' application to output to the X35



Audio CD burning

Burn audio CDs with the X35



Audio file format conversion

Convert existing audio files into other formats, (e.g. mp3, FLAC, WAV, MP4) for use on other devices -MP3 player, car stereo, etc



Gapless playback

For listening to mixed compilations seamlessly



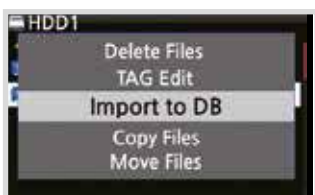
Scroll speed

Control text scroll speed on the screen



HDD format

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



Import & export music

Import/export music to/from the X35 Music DB via USB or over a network



Edit music tag info

Easily add metadata to the library for ease of browsing and searching music, enhancing listening pleasure



Make playlists

Make playlists for different moods and occasions. Burn playlists to CD or export audio files for listening on other devices



Music DB backup & Restore

Protect the music library with easy and convenient back up settings



Make 'My Playlist'

An on-the-go playlist feature, for cueing songs whilst listening



Auto shutdown

Schedule when the X35 will power off



HDD Sleep

Go into sleep mode as set



USB keyboard

Use an USB keyboard to edit song tag information easily



Section repeat

Set specific sections to play repeatedly



Resume play

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

Model name	NOVAFIDELITY X35		
Host CPU & memory	CPU: dual core ARM Cortex A9 running at 1.0GHz		
	Main memory: DDR-1066 1GByte		
	EMMC 8GByte		
CD drive	Type	Front loading	
	Supported media: CD, CD-DA, CD-R, CD-RW, DVD-R/RW		
Display	7.0 inch TFT LCD (1024 x 600 pixels) (*able to connect o ext. screen via HDMI out)		
Interface	Key & Knob, IR remote control, customised remote App for iOS & Android devices and Web Interface (WUI)		
Amplifier	Rated output : 100W + 100W @ 1Khz, 8 ohm, 0.1% THD (Total 200 watts) Dual digital amplifiers built-in separately for left and right		
Analogue out (Sabre ES9018K2M DAC)	Pre-out (L & R RCA)	Dynamic range: 127dB (max 2Vrms, stereo) THD+N: 0.0004%	
	Headphone out	6.35mm jack on the front, 100mW+100mW@1Khz, 600 ohm, 0.1% THD	
Digital out (fixed/variable)	Toslink x 1	SPDIF, sample rate: up to 24bit/192Khz	
	Coaxial x 1	SPDIF, 75ohm RCA, sample rate: up to 24bit/192Khz	
	AES/EBU XLR x 1	110ohm, sample rate: up to 24bit/192kHz	
	USB audio x 1	USB audio class 2.0 output	
	HDMI Out x 1	HDMI audio out (*shared with HDMI out for external screen)	
Analogue input	Line in x 1	L & R RCA at the rear, default 2Vrms (controllable 1~4Vrms)	
	Aux in x 1	3.5mm phone jack on the front, default 1Vrms (controllable 0.5~2Vrms)	
	Phono in x 1	MM input, default 7.5mVrms (controllable 3.75~15mVrms)	
Digital input	Coaxial x 1	Sample rate: up to 24bit/192Khz	
	Toslink x 1	Sample rate: up to 24bit/192Khz	
	AES/EBU XLR x 1	Sample rate: up to 24bit/192Khz	
Tuner	DAB+/FM radio		
Connectivity	USB host	USB3.0(5V/1A) x 3 (rear), USB2.0(5V/1A) x 1 (front)	
	Network	Wired	GigaFast ethernet (10/100/1000Mbps) LAN
		Wireless (optional)	*802.11b/g/n WiFi USB dongle (optional)
	HDMI Out	Connect to external screen (*shared with HDMI audio out)	
Supported storage	Hard disk drive (HDD)	2.5" SATA, up to 2TB	Bigger storage capacity will be supported by firmware update as maximum available storage size increases on the market
		3.5" SATA, up to 8TB	
	Solid state drive (SSD)	2.5" STAT, up to 4TB	
Supported audio codecs & formats	MQA, DSD64, DSD128, DXD(24Bit/352.8Khz) HD FLAC (24bit/192KHz), HD WAV (24bit/192KHz), APE/CUE, CAF, WAV, FLAC, ALAC, AIFF, AIF, AAC, M4A, MP3, WMA, Ogg, PCM, M3U, PLS, etc		
Network protocol supported	UPnP (DLNA) Server/Client/Media Renderer, Samba Server/Client, FTP Server, Web Server, etc		
Supported OSD languages	English, German, French, Spanish, Italian, Polish, Czech, Dutch, Traditional Chinese, Russian, Danish, Korean (To be added by request)		
Network protocol supported	UPnP (DLNA) Server/Client/Media Renderer, Samba Server/Client, FTP Server, Web Server, etc		
Internet services	Internet radio	Airable	
	Online music service	TIDAL, Deezer, Qobuz, Napster, Spotify Connect, Amazon Music and Highresaudio	
Isolated power managment	Toroidal Transformer	For audio signal management	
	500W internal SMPS	For digital CPU managment	
Power source	220V area	AC 220V - 240V, 50/60Hz	
	110V area	AC 110V - 120V, 50/60Hz	
Mechanical	Material	Front	13mm thick CNC cut aluminium
		Knob	CNC cut aluminium
		Body	Metal
	Dimension	Without foot	441mm(W) x 330mm(D) x 100mm(H)
With foot		441mm(W) x 330mm(D) x 111mm(H)	
Certificate	CE,FCC, EMI, etc		

* Specification may be changed without notice.

