S O t M

Ultimate High Performance Audio

Meet the ultimate breakthrough in audio technology
– the SOtM Network Player & Server
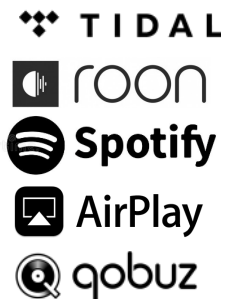
sMS-2000

It's not just a product;
it's a revolution in sound that will transform your listening experience.

scan audio

Streamers

TIDAL
roon
Spotify
AirPlay
qobuz

Web GUI

- Easy system configuration

- Selectable music player applications

- Selectable and configurable USB audio devices

- Network share folder and USB storage device setting

- Roon Ready

- MinimServer

- DLNA audio renderer, OpenHome support

- MPD (Music Player Daemon)

- LMS (Logitech Media Server)

- Squeezelite

- HQPlayer Network Audio Adapter

- Shairport (Airplay)

- LibreSpot (Spotify Connect)

- Multi-zone network playback

- Network share folder and USB storage device setting

How to find your web GUI:

If you have one player:

- Browser on MAC: http://eunhasu.local/

- Browser on Windows: http://eunhasu/

If you have several players:

- http://sotm-audio.com/my/

You can also type the players ip-address directly if you know what ip it is assigned to.

More info

https://www.scanaudio.se/hur-du-kommer-igang-med-din-streamer

https://docs.sotm-audio.com/doku.php?id=en:eunhasu:start

Server/Streamer

sMS-2000 (512gb, i7, 16gb)	160 000:-
sMS-2000 (1Tb, i7, 16gb)	165 000:-
sMS-2000 (4Tb, i9, 32gb	175 000:-
Extra intern lagring, max 6st SSD *	Dagspris
Montering och konfig av extra lagring *	2500:-

A High-Performance Network Server and Streamer for true Audiophiles.

Huvudfunktioner : -

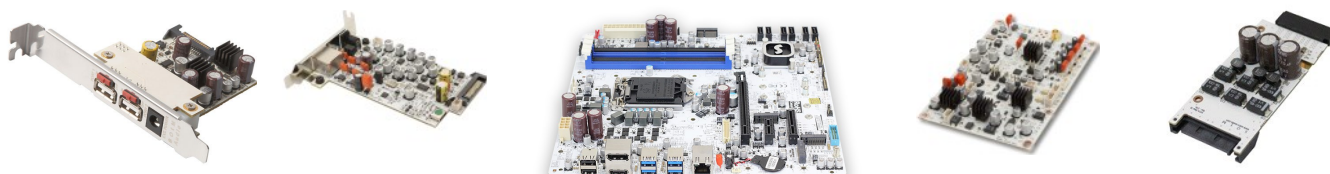Komponenter uttryckligen skapade för ljudåtergivning:

Servern/Spelaren sMS-2000 är uppbyggd runt Eunhasu OS, sMB-Q370 moderkortet, sCLK-EX klockmodul, tX-USBx10G USB host kort och sNI-1G nätverkskort —SOtMs egenutvecklade komponenter med omvittnat hög ljudkvalitet och höga prestanda.

Egenutvecklad nätdel: utrustad med sPM-ATX100, som är en DC-DC omvandlare vilken ger exeptionellt ren spänningsmatning för bästa ljudkvalitet.

Spelaren har stöd för 48TB lagring (interna SSD diskar) och klarar även ännu mer för att kunna hantera stora mängder musik av hög upplösning. Det finns givetvis även stöd för externlagring på exempelvis NAS mm.

Det finns ett brett stöd för olika programvaror för musikserver och uppspelning, vilket innebär en hög grad av anpassning till olika behov. (lista på nästa sida)

sMS-2000 ger de absolut bästa förutsättningarna för uppspelning av digitalt lagrad (och strömmad) musik. Det är också den första musikservern helt byggd på egenutvecklade komponenter, enbart framtagna för detta ändamål.

Server/Streamer

OS

Linux(User-proven high-end audio-grade Eunhasu OS)

Audio Player

Roon Server
DLNA audio renderer, OpenHome support
Music Player Daemon(MPD)
Logitech Media Server(LMS)
Squeezelite (LMS player)
Shairport-sync (Airplay II)
LibreSpot (Spotify Connect)
MinimServer
BubbleUPnP Server
HQplayer Network Audio Adapter
HQplayer Embedded will be added
Diretta protocol will be added
Automatic CD ripper (External CD driver required)

Motherboard

The world-best high-end audio-grade motherboard(sMB-Q370)
Intel i7-9700 processor(supports 9th and 8th gen Intel Core processors)
Synchronized by external 10MHz master clock
PCIe 3.0 x16, x4, x1 slot
2 x M.2 M key 2280 connector
2 x M.2 E key 2230 connector
6 x SATA 6Gbps port
1 x Display port, 1 x HDMI port
4 x USB 3.1 gen 2, 2 x USB 2.0 port
1 x Ethernet port
Extra-large passive CPU heat sink with flat heat pipe

Audio Clock

The world-best high-end audio-clock installed(sCLK-EX)
Ultra Low Noise Regulator
Active noise-cancelling circuit
50 Ohm(or 75 Ohm) BNC connector for master clock input

High-End Audio-Grade USB Output

The world-best high-end USB host card installed(tX-USBx10G)
Supports USB 3.1 Gen 2 port(maximum 10Gbps)
External type A and internal type E connectors
External power input jack
USB power on/off switch
USB audio class 2.0 support

Network Interface

The world-best high-end Ethernet card installed(sNI-1G)
External power input jack
Extra onboard Ethernet port
All Ethernet port support WOL(Wake On Lan)
Synchronized by external 10MHz master clock

High-End Audio-Grade Power Supply

ATX power supply(sPM-ATX100)
– Synchronous buck topology
– Superior second-stage ripple noise filter on each output
– ATX power supply compatible
– OVP, UVP, OTP, Short circuit protection
– All output powers synchronized by one clock source

Storage

512GB M.2 SSD for OS(upgradable to 4TB)
One additional M.2 SSD can be installed
Maximum of 6 SATA SSD can be installed

Operating environment

Operating temperature : 0 ~ +30☐
Storage temperature : 0 ~ +40☐
Operating & storage humidity : 10% ~ 90%

Dimensions

445mm x 394mm x 115mm

Weight

10Kg(approx)

*

Extra intern lagring kan monteras en extra SSD (M2) och sex stycken SSD 2,5"

Vi kan leverera servern med önskade diskar monterade och konfigurerade. För detta debiterar vi diskarnas inköpspris samt en kostnad för konfiguration och driftssättning.

Scanaudio samt återförsäljaren ansvarar ej för diskarnas innhåll vid eventuell förlust av data.

Streamer

sMS-200 Neo	10 000:-
sMS-200 Neo uLTRA	22 000:-
sMS-200 Neo uLTRA cLK m BNC	25 000:-
sMS-200 Neo uLTRA Ltd eD m BNC	30 000:-

SOtM Streamer comes in 4 different configurations. All have USB Audio output for highest resolution and compability.

sMS-200 Neo, newest version that supports most streaming platforms. (pic 1)

sMS-200 Neo uLTRA, as above, but with cLK-EX super accurate clock (pic 2,3)

sMS-200 Neo uLTRA , as above, but with cLK-EX super accurate clock and input for external sCLK-OCX10 (pic 2,4)

sMS-200 Neo uLTRA LTD ED , as above, but with cLK-EX super accurate clock and input for external sCLK-OCX10 and improved internal shielding and utra high end capacitors. (pic 2,4)

All versions come with ROON voucher (60days trial and special offer on software)

Supported platforms:

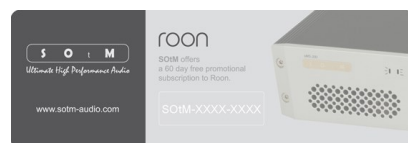Choose between different software in web GUI:

- ROON Client

- LMS (as player and/or Server)

- Spotify Connect

- Airplay device

Also included which makes it able to play Tidal, Qobuz and act as a LINN client and MPD-player

- Bubble Upnp

- Minimserver

This makes it universally compatible and be controlled by a wide range of apps and systems.

Software is upgraded continuosly to provide for new functionality.

Power supply

sPS-500	9 000:-
sPS-500 w Y-cable	11 000:-
Y-cable 30cm	2 500:-
Other cable lengths/ materials	On Request

sPS-500 is an universal upgrade to any equipment that require an DC power supply wich is supposed to handle audio.

It is a great improvement over standard "wall wart" powersupplies in terms of quiet backgrounds and vastly improved sound stage .

- 7Vdc, 9Vdc, 12Vdc, 19Vdc selectable output voltage
- Eliminate noise generated by powered devices
- 50W output power for NAS, fanless audio PCs and others
- Support worldwide AC input voltage
- Output short and over temperature protection

As standard it powers one device at set voltage.
With a special order Y-cable, 2 units can be powered (same voltage)

Standard cable length is 30cm to minimise losses. Other lengths can be ordered.
Cable output connector is 5,5/2,1mm and 9mm length which is the most common. Other connectors on request.

Same formfactor as most SOtM units.

SOtM USB regenerator

tX-USB hubEX	**6 000:-**
tX-USB uLTRA	**16 500:-**
tX-USB uLTRA cLK	**19 500:-**

tX-USB uLTRA is a unit that improves the sound of any USB-audio connection.

Which to choose?
1. tX-USB hubEX — If you stream from a Laptop or PC/MAC
2. tX-USB uLTRA — If you stream from a Laptop or PC/MAC, but want even better precision & timing
3. tX-USB uLTRA cLK — If you stream from a Laptop or PC/MAC, but want even better precision & timing and plan to use or use a central Master Clock for Ultimate fidelity

This makes a really great improvment if you are using any type of computer based USB-output as most of them are not created for audio. Even some dedicated servers, that are based on NUC-machines benefit greatly if you put a tX.USB Ultra between the source and the DAC.

You can even get an improvement between SOtM streamers and DACs, although their USB connections are optimised to sound great.

The cLK version includes an external connector for connecting a central, extremely accurate clock, sCLK-OCX10.
Using a Master Clock will enhance performance.

Another way to furter improve sound is to connect a separate power supply, like a sPS-500.

Phono stage

sPQ-100   12 000:-

 sPQ-100 är ett så kallat RIAA-steg, dvs en förstärkare som förstärker och korrigerar signalen från en skivspelares pickup till en signal på linjenivå som kan hanteras av en förförstärkare eller integrerad förstärkare.

Varför behöver man ett RIAA-steg?

De förstärkare som har en "Phono"-ingång så är den ofta inte av optimal kvalitet, eller så saknar många av de förstärkare denna typ av ingång om den tillverkats de senaste 25åren (efter CDns intåg)

Vill du satsa seriöst på att spela vinylskivor med en bra skivspelare och en högklassig MM el MC pickup är detta en viktig del av anläggningen. Dessutom kan RIAA-stegen placeras i skivspelarens absoluta närhet och minimera risken för brum och störningar.

sPQ-100 har givetvis de traditionella inställningarna för ett RIAA-steg, dvs Val mellan MM/MC pickup, inställning för kapacitans (MM) och impedans (MC) och grad av förstärkning.

Men utöver det finns det justeringar för att anpassa RIIA-kurvan och därmed klangen för din pickup. Där finns också tydligt markerat vilka inställningar som är standard förr RIAA-kurvan.

 Detta är SOtMs första rent analoga produkt och den hjälper dig att gräva fram det bästa ur vinylskivans spår.

○ MM/MC cartridge selection
○ Input impedance/capacitance selection
○ Bass boost level selection
○ Bass turnover frequency selection
○ High frequency roll off frequency selection
○ Total gain selection

Wide input voltage range

A way to even furter improve sound is to connect a separate power supply, like a sPS-500.

Master Clock

sCLK-OCX10   55 000:-

The sCLK-OCX10 is a master clock generator that produces a high purity 10 MHz clock signal.

In digital audio devices, the clock signal acts as the heart of the product, a higher purity clock brings more accurate and better sound quality. However, the higher purity clocks also requires higher costs, therefore, a high-purity 10MHz clock, like a master clock, is not installed inside of the audio device but connected to the internal clock and synchronized by a master clock as the way to improve sound quality.

The sCLK-OCX10 is a specially designed product for high end audio equipment which brings all the benefits of master clocks that have been used primarily in recording studios and high performance audio. It could be the paramount digital device for audiophiles who want the best sound quality. It can be used with devices equipped with a BNC connector for their master clock input. For SOtM products, 10MHz master clock input connectors can be optionally added to products with the sCLK-EX installed such as the sMS-1000SQ, the sMS-200ultra, and the tX-USBultra can be used with the sCLK-OCX10.

As many audiophiles know, the clock signal is an angled square digital signal, but the sCLK-OCX10 produces a pure analog sine wave of 10 MHz, and this sinusoidal clock signal is the method adopted for the best clock performance because it produces significantly less noise than the angled square digital clock signal. In order to implement this, the sCLK-OCX10 consists of only analog circuitry which contains 10 years of know-how of SOtM, it derives high analog sound that is different from other master clocks on the market which output angled square digital clock signals.

A way to even furter improve sound is to connect a separate power supply, like a sPS-500.

BNC Cables

aBNC-050 / aBNC-075

50cm	1 500:-
1m	2 000:-
2 m	3 500:-
3m	5 000:-

This Cable is for connecting the sCLK-OCX10 with the units that is to be controlled by the Masterclock.
Its Availible in 50cm & 1m Lenghts and optimised for 50ohm impedance. (can be ordered for 75ohm matching)

Network Switch

sNH-10G (silver)   14 000:-

sNH-10G uLTRA (black)   30 000:-
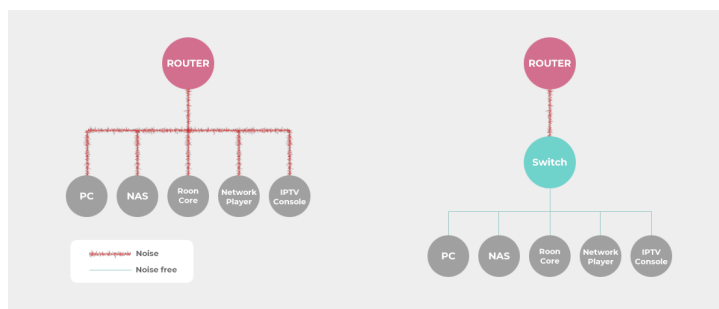

Any audio system involving network distributed sources will be degraded by the involved network equipment.

This means that many people percieve sources like CD and Vinyl to have more "soul" and warmth than streaming or music stored on local hard drives. (Even with sources that are'nt destructivly compressed).

SOtM's switches are optimised for audio reproduction as opposed to traditional data transmission (that isn't time critical in the same way). Shortly, a switch optimised for audio have a much lower noise floor, and the clock cir-

cuit is much more precise.
That means that a switch works as "filter" and clense the datastream, and the better clock reduces any jitter in the data stream.

The switch has 8 RJ45 traditional network ports for gigabit transmission. I has also 2 ports for attaching fibre converters to fully disconnect the switch from the rest of the network electrically.

The sNH-10GH also comes in an "uLTRA" version. Tha means that it is equipped with SOtMs high end clock circuit cLK-EX. that gives the switch even higher performance. The uLTRA version also has a separate clock input.

Connecting the clock input to sCLK-OCX10 will boost performance, especially if you connect all your SOtM gear to the master clock

A way to even furter improve sound is to connect a separate power supply, like a sPS-500.

LAN Cables

dCBL-CAT7e

~1m	5 000:-
1m	6 000:-
2m	7 500:-
3m	9 000:-
4m	11 000:-
5m	13 000:-

There are numerous network cables for high-end audio on the market that come in a variety of prices, from hard-to-reach prices to affordable ones that are easily accessible. There are good reasons to spend a lot on cables that are as good as their price, but the reality is that there are cables that are somewhat inferior. For this reason, no matter how expensive the cable is, sometimes it is difficult to experience the effect you imagined or expected.

In general, two or three network cables are used to configure a network audio system, and if a system is a bit more complicated, at least 5 to 10 network cables are required. Also, there are situations when the system requires a network cable several meters in length, so you must invest even more.

In all these cases, if you use good and expensive cables for all network paths, you will be able to get great results, but obviously there will be a lot of cost following. For beginners who have limited
experience with a network audio system, it may be a bit difficult to choose an expensive network cable from the start.

So we recommend using the dCBL-CAT7e, which guarantees audio performance beyond the price for any network audio systems.

The dCBL-CAT7e is a high-end performance cable that is easy to access in the price range developed to be used not only for the main network cable for connection to the network player device, which is the most important in the connection of a network audio system, but also for the connection between all network devices.

We proudly announce that the dCBL-CAT7e has the best price and performance, and it will be a solution to the network audio system in various cases.

LAN Cables

dCBL-CAT7u

~1m	7 000:-
1m	8 000:-
2m	9 000:-
3m	11 000:-
4m	13 000:-
5m	15 000:-

dCBL-CAT7u is a new network cable that is an upgraded version of the dCBL-CAT7. If you have already experienced significant sound quality improvement from the previous version, the dCBL-CAT7, the dCBL-CAT7u is the Ultra version of the dCBL-CAT7, so you can expect more than that.

 The main reason is that the dCBL-CAT7u is tuned and born in an ultra-high-performance network audio system that connects a sCLK-OCX10 and 3set of sNH-10G in series with the dCBL-CAT7 and an iSO-CAT6. The sound of such a system is very precise and precise enough to express the subtle nuances of the performer as well as the slightest airiness of the background. The dCBL-CAT7u is probably the only ethernet cable tuned to perfection in such a perfectionist system.

 If you connect the dCBL-CAT7u to this system, between a network player and the third sNH-10G which is the last stage of the system's Ethernet connection, it provides a clear improvement in sound transparency and textures.

 It serves as a medium that makes it more clear what the performer is expressing and what the sound really is, and that allows the listener to get closer to the music that the performers want to express. It is not comparable with the simple change of cables or preferences of sound.

 In addition, for perfect sound implementation, the inside of dCBL-CAT7u consists of 4 differential transmission cables, and each of which is shielded with an aluminum compound foil shield. They are then covered with a copper braided shield to be very resilient against noise. Also, the maximum frequency for signal transmission is 1600MHz, which supports Category 7A standards and fully supports 10/100/1000Base-T and 10GBase-T Ethernet standards.

 Audiophiles who run network audio systems will find it difficult to say that they are truly enjoying their network audio system without experiencing the dCBL-CAT7u. The dCBL-CAT7u will be the one you've been dreaming of to configure the perfect ultra-high-end network audio system.

LAN-Filter

iSO-CAT7   6 000:-

iSO-CAT7 Special Ed.   12 500:-

 The iSO-CAT7 is a product that improves the performance of the iSO-CAT6, which was used as a necessity for all audio systems that use LAN ports. Although the iSO-CAT6 may seem like a small and simple accessory, it has received good reviews from many users for its definite effect. One of users praised it as "the best audio accessory I have ever used in my life".

 The iSO-CAT7 is a further improved LAN isolating filter that easily surpasses the performance of the iSO-CAT6 and has been developed after numerous tests to realize the sound performance required for Ultra high-end audio. Through this test process, specially selected parts to shape and refine the audio were chosen and each of the four Ethernet signal lines embedded in the Ethernet cable are separated and shielded to reduce interference between each signal line as much as possible to lead to a definite improvement in sound quality.

 If you listen to music using the iSO-CAT7 in your system, connecting it to the network player which, is the most important part in the network audio system, you will be able to understand what it means to refine digital sound closer to analog sound. This is not just simple improvements in specific parts of the music, but clear changes in sound that causes the illusion of reconstructing sound of the entirety of the music or listening to another recording of the same music.

 The moment you add the iSO-CAT7 to your system and feel the higher level of sound, it won't be easy to stop playing music with its novelty.

Key Feature
Support 10/100/1000Base-T, 10GBase-T
LAN signal filter
LAN signal isolator

The Special Edition comes with 3 different Lan Cables for you to tune your favourite sound. 1,5m each

M t O s

Ultimate High Performance Audio

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