N1

AVAILABLE
1/3/2023

OVERVIEW

The flagship Melco N1 has been researched and developed from the ground up, incorporating a brand new aluminium chassis (3mm thick, larger fully populated main board, higher performance CPU and larger internal flash memory). These aspects add up to increased performance whilst retaining the most important goal: unrivalled sound quality.

The N1 improves on the fantastic N1ZS and N10 Melco music library products, incorporating the technologies learnt and developed to the next level.

FEATURES

- Specially selected 3.84 TB SSD drive for audio performance
- High-quality positive-click front panel buttons
- Crystal-clear, easy-read, low-noise OLED display
- 5x USB 3.0 ports for easy back up, expansion and DAC connectivity
- Easy music importing from flash, CD or HDD drives
- IEC mains inlet with true electrical ground to define the source component as ground point
- External 10MHz clock connection (BNC)

SPECIFICATIONS

Music storage
1 x specially selected 3.84 TB SSD

Network connectivity
LAN Port-Gigabit Ethernet (1000Base-T),
Dedicated PLAYER port, Gigabit Ethernet (1000Base-T),
SFP Port (1000 mbps MAX)

USB connectivity
USB 2.0 port USB DAC-dedicated
USB 3.0 port USB DAC-dedicated USB 3.0 backup port
USB 3.0 expansion port
USB 3.0 port for music importing and CD drives, USB 3.0 front panel port for importing and DACs
USB player file support: DSF, DFF, FLAC, WAV, ALAC, AIFF and AAC

USB player sample rate support
16-32 bit (PCM) to 384 kHz:- auto downsample to suit connected DACs
Gapless PCM support
1 bit (DSD) to 11.3 MHz Quad DSD Markerless DSD support
DSD to 32 bit PCM conversion selectable Gapless DSD support
OLED displays player sample rate

Power supply
AC 230 V

Size 440 x 82 x 353mm
Weight 14 kg

PRODUCT SPECIFICATIONS

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N10/2

OVERVIEW

The N10/2 is a two-box solution designed to improve sound quality by separating the unit's power supply from the sensitive 'head' unit.

A half-width design, like the entry-level N100, the N10/2 offers easy placement in the home, but with the sound quality benefits of the enhanced N10 solid aluminium chassis and upgraded internals, plus the linear power supply.

Furthermore, the N10/2 is available in two distinct varieties: a 5 TB HDD or a premium 3.84 TB SSD version.

FEATURES

- Half-width design benefitting from an external power supply for improved sound quality
- The 'head' unit has both newly designed internal electronics hardware and new operating software, with an improved PCB
- Solid aluminium casework (including the end cheeks) for freedom from vibration
- Complex and rigid vibration-reducing internal chassis
- Crystal-clear, easy-read low-noise OLED display
- 2x rear USB 2.0 ports for easy backup/expansion and USB DAC connectivity
- Dedicated Player and LAN ports for improved sound quality

SPECIFICATIONS

Music storage
N10/2-S38 1 x 3.84 TB specially selected SSD on Melco HS-S2 isolation platform
Model: N10/2-S38B-E (Black, AC230V) • N10/2-S38-E (Silver, AC230V) • N10/2-S38B-EA (Black, AC120V) • N10/2-S38-EA (Silver, AC120V)

N10/2-H50 1 x 2.5-inch specially selected HDD 5TB on Melco HS-S2 isolation platform
Model: N10/2-H50B-E (Black, AC230V) • N10/2-H50-E (Silver, AC230V) • N10/2-H50B-EA (Black, AC120V) • N10/2-H50-EA (Silver, AC120V)

Network connectivity
LAN Port-Gigabit Ethernet (1000Base-T), PLAYER port Gigabit Ethernet (1000Base-T), DHCP server in isolated mode

USB connectivity
USB 2.0 Front panel x 1
USB 2.0 Rear panel x 2
Assignable as DAC, backup, import, expansion

USB player sample rate support
16-32 bit (PCM) to 384 kHz:- auto downsample to suit connected DACs
Gapless PCM support
1 bit (DSD) to 11.3 MHz Quad DSD
Markerless DSD support
DSD to 32-bit PCM conversion selectable
Gapless DSD support
OLED displays player sample rate

Power supply
Pre-set 220-240 V AC or 110-120 V AC dependent on locality
Low-noise, linear power supply

Size 215 x 61 x 269 mm (W H L)
Weight head unit approx. 3.5 kg
Weight power supply approx. 5.0 kg

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N50

OVERVIEW

Stepping up from the half-width entry-level N100, the N50-H60 (6TB HDD) bridges the gap with exceptional performance and pricing. The next step is to the N50-S38 (3.84 TB SSD) which is Melco's first full-width library to benefit from an advanced SSD (solid state) hard drive.

The 3.84 TB SSD drive at the N50's heart, brings the benefits of solid state storage and playback to discerning music lovers wanting a full-width (43 cm) solution to complement existing audio devices.

Based on the original N1A library, the new N50 brings contemporary features and the latest Melco expertise to a classic design aesthetic.

FEATURES

- Specially selected HDD and SSD drive for audio performance
- High-quality positive-click front panel buttons
- Crystal-clear, easy-read, low-noise OLED display
- 3x USB 3.0 ports for easy back up, expansion and DAC connectivity
- Easy music importing from flash, CD or HDD drives
- IEC mains inlet with true electrical ground to define the source component as ground point
- Internal power-line noise filter
- New PCB, layered rigid SSD mounter and feet

SPECIFICATIONS

Music storage
1 x specially selected 6TB HDD
1 x specially selected 3.84 TB SSD

Network connectivity
LAN Port-Gigabit Ethernet (1000Base-T), Dedicated PLAYER port, Gigabit Ethernet (1000Base-T), DHCP server in isolated mode

USB connectivity
USB 2.0 port USB DAC-dedicated
USB 3.0 backup port
USB 3.0 expansion port
USB 3.0 port for music importing and CD drives
USB 3.0 front panel port for importing and DACs
USB player file support: DSF, DFF, FLAC, WAV, ALAC, AIFF and AAC

USB player sample rate support
16-32 bit (PCM) to 384 kHz:-auto downsample to suit connected DACs
Gapless PCM support
1 bit (DSD) to 11.3 MHz Quad DSD
Markerless DSD support
DSD to 32 bit PCM conversion selectable
Gapless DSD support
OLED displays player sample rate

Power supply
100-120 VAC, 220-240 VAC

Size 436 x 62 x 352 mm
Weight 7 kg

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N100

OVERVIEW

The award-winning N100 is the starting point to Melco ownership. The half-width design is easy to place anywhere in the home, and despite its compact dimensions, there's a choice of 2 TB or 5 TB storage capacities, enough for even the most avid music collector.

Easy to set up and use, the N100 benefits from simple front panel buttons to navigate the internal menus, plus music playback can be controlled with Melco's free iOS app when connected to a DAC.

FEATURES

- Crystal-clear, easy-read OLED display
- Half-width design is easy to locate anywhere in the home
- Available in 2 or 5 TB storage capacities
- Aluminium front and top panel with brushed finish
- Easy operation from the front panel buttons (+ app control)
- 2 mm-thick steel sheet chassis to minimise vibration
- Dedicated 'PLAYER' and 'LAN' ports for better sound quality
- 3x USB 2.0 compatible with USB DACs, USB CD drives and USB storage (HDD or Flash memory)
- Fanless design

SPECIFICATIONS

Music storage
1 x 3.5-inch specially selected HDD 2TB/5TB on Melco's HS-S2 isolation platform

Network connectivity
LAN Port-Gigabit Ethernet (1000Base-T),
PLAYER port, Gigabit Ethernet (1000Base-T),
DHCP server in isolated mode

USB connectivity
USB 2.0 Front panel x 1
USB 2.0 Rear panel x 2
Assignable as DAC, backup, import, expansion

USB player sample rate support
16-32 bit (PCM) to 384 kHz: auto downsample to suit connected DACs
Gapless PCM support
1 bit (DSD) to 11.3 MHz Quad DSD
Markerless DSD support
DSD to 32-bit PCM conversion selectable
Gapless DSD support
OLED displays player sample rate

Power supply
Universal power adapter 100-240 V AC 48 W

Size 215 x 61 x 269 mm (W H L)
Weight 3 kg

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S10

OVERVIEW

The S10 is Melco's flagship data switch and comprises a 'head' unit and a power unit, separating the sensitive data-carrying areas of the design from the power supply.

The two-box approach echoes that of the N10/2 library, and offers the least compromise when it comes to ultimate sound quality.

The S10's head unit is based on a heavily upgraded S100 network switch, and benefits from a greatly improved power management section, better aluminium casework and a rigid steel screened chassis.

The rear panel connections include different-speed RJ45 Ethernet ports: 4x 100 MB and 4x 1 GB, plus 2x 1 GB SFP.

FEATURES

- Two SFP ports allow for the connection of compatible optical fibre components, such as Lumin
- A 1.5 MB of buffer capability to deal with erratic external connectivity, for a stable and resilient data stream
- Audiophile techniques in the power supply with a bank of audio-grade capacitors to ensure the lowest noise environment
- A rigid steel chassis with full aluminium casework

SPECIFICATIONS

Connectivity
Ports
4 x 100Mb/E RJ45
4 x 1000Mb/E RJ45
2 x Fibre SFP/LC

Power
Dedicated 12 V toroidal separate power supply

Size 215 x 61 x 269 mm (W H L) x 2
Weight 13 kg

Model name
Silver: S10P-E (Head unit:S10-X Power unit:PU10-12V-E (AC230V) / PU10-12V-EA (AC120V) DC cable:OP-S10)

Black: S10PB-E (Head unit:S10-XB Power unit:PU10-12VB-E (AC230V) / PU10-12VB-EA (AC120V) DC cable:OP-S10)

S100/2

OVERVIEW

The second generation S100/2 data switch creates an ideal low-noise environment for networked music libraries to operate in, helping to deliver the best possible sound performance.

Compared to an ordinary IT data switch, the S100/2 offers extraordinary architecture, with 2x 100 Mb RJ45 ports for the best audio quality and 6x 1 Gb ports for PC connectivity, and other high-traffic-flow devices, such as the Roon Core processor.

The second generation S100/2 also gains an improved power circuit board with a carefully selected AC adapter.

FEATURES

- 2x SFP ports for compatible optical fibre components such as Lumin
- 1.5 MB buffer capability for stable and reliable data
- Improved power circuit board and audiophile supply implementation with a bank of audio-grade capacitors to ensure the lowest noise
- Power supplies are external to the switch, giving good isolation and allowing for future upgrades
- Mechanical stability contributes to system performance: the S100/2 is built on a rigid steel chassis

SPECIFICATIONS

Connectivity

Ports
2 x 100 Mb/E RJ45
6 x 1000 Mb/E RJ45
2 x fibre SFP/LC

Power
12 V 1 amp 5.5 mm x 2.1mm coax

Size 215 x 61 x 269 mm (W H L)
Weight 2.5 kg

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D100

OVERVIEW

The D100 is a highly advanced Japanese-technology optical drive that reads optical discs, such as CDs, with great precision.

Using a D100 to 'rip' CD collections onto a Melco library or hard drive, allows for optimum data transfer in archive quality. The D100's Melco-branded circuit board is further audiophile-optimised to deliver the highest performance ripping from CD.

The D100 can even be used as a high-precision CD transport into a USB DAC.

FEATURES

- Half-width design to match N100 and N10 libraries
- 2 mm-thick under-chassis support for high rigidity
- 3.5 kg (almost 3x that of standard IT drives)
- Melco's Highly Stable Storage System to securely hold the drive mech
- Dedicated PCB for capacitors and power supply
- High-quality clock-generator for better signal transmission
- HOST USB (type B) for N1 or PC to read the disc data
- DEVICE USB (type A for USB DAC playback)

SPECIFICATIONS

Optical disc support
CD (CD-DA disc-read only)
DVD/BD (DVD/BD data disc read only)

USB ports
USB 3.0 Type A x 1 'TO DEVICE'
USB 3.0 Type B x 1 'TO HOST'

Compatible equipment
Melco N1, N10 and N100 series
Windows 10 PC, Mac High Sierra OS

Power supply
DC 12 V (48 W AC adapter)

Size 215 x 61 x 269 mm (W H L)
Weight 3.5 kg
Model Name D100-C (Silver), D100-CB (Black)

C100

OVERVIEW

The Melco C100 Ethernet cable provides the very best quality cabling solution for Melco libraries and other ethernet audio-enabled devices.

The C100 has been carefully tested and matched with all Melco libraries to ensure no loss of quality. It also benefits from asymmetric drain wire grounding, where one end of the cable features a ground point. Unwanted noise, either external or from connected devices, travels in one direction to the ground end, not interfering with delicate signal transmission.

The opposite (non-grounded) end of the cable features an innovative 'floating' shield, which is not attached to the connector plug, meaning unwanted noise cannot transfer to connected audio devices downstream.

FEATURES

- Wide bandwidth construction rated at 600 MHz
- Asymmetric drain wire grounding (ground at one end)
- Innovative 'floating' shield at the opposite end
- Gold-plated connectors
- Precision 100 ohm-accurate and rigid mechanical alignment connectors. Ensures stable performance without the possibility of mechanical misalignment. Unbreakable latch for precise alignment
- Individual screening of each data pair
- Double screening overall
- Lengths include: 1 m, 2 m, 3 m, 5 m and 10 m
- The C1AE has a wideband transmission speed, 6 times that of CAT 5e, 2.4 times of CAT