

DS-10_{/PLUS}

STREAMING DAC WITH HEADPHONE OUTPUT AND PREAMPLIFIER

+ ANALOGUE INPUT (ON DS-10 PLUS ONLY)

INDEX

PACKAGE CONTENT.....	P. 3
INTRODUCTION AND FEATURES.....	P. 4
TECHNICAL SPECIFICATIONS.....	P. 6
FRONT PANEL.....	P. 7
REAR PANEL.....	P. 8
SELECT FUNCTIONS.....	P. 9
REMOTE CONTROL.....	P. 10
OVERVIEW DS-10 FEATURES.....	P. 11
SELECTABLE PARAMETERS.....	P. 12
CONTROL APP.....	P. 14
NETWORK SETUP.....	P. 20
CONNECTING OTHER SOURCES.....	P. 22
WARRANTY AND SERVICE.....	P. 23
TROUBLESHOOTING.....	P. 24
IMPORTANT SAFETY INFORMATION.....	P. 25

PACKAGE CONTENT

- DS-10/PLUS
- 1 AC cable
- 1 Ethernet cable
- 1 Wi-Fi antenna
- Remote control + battery
- User manual

INTRODUCTION AND FEATURES

A MODERN AUDIO SOURCE FOR THE CONTEMPORARY AUDIOPHILE

The DS-10 is a versatile state-of-the-art streaming DAC designed for the contemporary audiophile and featuring a new generation D/A Converter, UPnP-DLNA Streamer, Line Preamplifier and Headphone Amplifier. The technology of the DS-10 is brilliantly enclosed in a compact-sized aluminium chassis and it's the perfect addition to a modern High-End audio system. Inspired by our acclaimed IS-1000 All-In-One unit, it combines its extended connectivity features with the exceptional high-resolution of the Bluetooth 5.0 - for the first time ever on a High-End audio product - and the impressive headphone double power GAIN output. The DS-10 PLUS is also equipped with an analogue input to become a complete preamplifier for analogue and digital sources, both the analogue line input and the preamp stage operate in a fully analogue way to preserve the purest audio quality (available on DS-10 PLUS only).

HIGH-END DAC AND NETWORK STREAMER

The DS-10 is a Roon Ready device with a quick plug&play set-up and multi-room capabilities. Simply connect it to your network using the Wi-Fi or the Ethernet port and to your power amplifier or active speakers, and get ready to explore the limitless possibilities of high-resolution music. Stream through Roon, Airplay, Tidal, MQA, Qobuz, Spotify and Deezer or access your collection of digital music stored locally on a NAS or a USB flash drive (DSD64 and PCM 24/192 on USB-A/LAN/WLAN, DSD512 and PCM 32/768 on USB-B), controlling the DS-10 with our easy to use GN Control App on your smartphone or tablet (available for free on iOS and Android).

LINE PREAMPLIFIER AND HEADPHONES AMP

The DS-10 is equipped with an on/off switchable High-End Analogue Preamp stage to enable the control of the analogue volume even through web players (when the Preamp stage is activated) and guarantee the best performance ever. The DS-10 also features a professional 6.3mm headphones output with two sensitivity levels (High/Low), a proprietary technology we developed to help get the best out of your headphones. With the additional analogue input (available on the PLUS model only) the DS-10 PLUS becomes the perfect integration between the Gold Note PH-10 phono stage and the PA-10 power amplifier.



INTRODUCTION AND FEATURES

DIGITAL CHAMELEON AUDIOPHILE DAC

The DS-10 has a unique feature that sets it apart from any other DAC, making it the most versatile DAC available today - three different profiles can be selected to fine-tune the performance of the DAC, which adapts to the music it's playing as a chameleon. For the first time ever, the DAC behaviour can be changed to adapt to the music played without modifying the audio signal and thus maintaining the highest audio quality, acting on the deemphasis, the low-pass digital filters and the amount of power applied to the circuits. Such profiles can be selected in real-time during music playback delivering a unique listening experience and ease of use thanks to the clear menu on the TFT display. It's time to enjoy the unprecedented listening pleasure that only the DS-10 can offer you.

EASY TO INSTALL, EASY TO SET UP

The DS-10 is a plug&play DAC that is easy and quick to set up in your system. Once it's connected to your network, it only needs a power amplifier or some active speakers and you are ready to start listening. All the functions available on the DS-10 are fully controlled through the SKC (Single Knob Control) and the dedicated App GN Control.

TOTAL CONTROL OVER YOUR MUSIC

With its large 2.8" TFT display you can quickly check all the functions of the DS-10 and control it using the dedicated App and our SKC (Single Knob Control) located on the front panel, or the Gold Note remote control. Our easy to use GN Control App displays all metadata, cover and other information

registered on the track as well as the real resolution format on your smartphone or tablet (available for free on iOS and Android).

DURABLE DESIGN 100% MADE IN ITALY

Our products are designed to ensure the best experience of use and the DS-10 features a state-of-the-art mechanical structure made of solid machined steel and thick aluminium. The high-quality materials used guarantee low-frequency resonance, feedback vibrational control and low magnetic inertial field.

GOLD NOTE MODULAR DESIGN

Thanks to the unique and innovative Gold Note modular design, the DS-10 can drive PSU-10 EVO, the dedicated external inductive power supply, to enhance its performance even more. If you are after uncompromising quality, check with your local dealer the availability of PSU-10 EVO and arrange a listening session.

TECHNICAL SPECIFICATIONS

D/A Converter AKM AK4493 PCM up to 32bit/768kHz and DSD512 native
Frequency response: 20Hz-20kHz +/-0.1dB
THD – Total Harmonic Distortion: 0.001% max
Signal to Noise ratio: -125dB
Dynamic range: 120dB
Output impedance: 50Ω
Preamp Stage Volume Control: enabled/disabled by remote

DIGITAL INPUTS

1x RCA coaxial PCM asynchronous up to 24bit/192kHz
2x TOS-optical PCM asynchronous up to 24bit/192kHz
1x AES/EBU XLR PCM asynchronous up to 24bit/192kHz
1x USB-A port to feed USB flash memories, FAT32/NTFS formatted playing DSD64 and PCM up to 24bit/192kHz
1 x USB-B asynchronous up to DSD512 and PCM up to 32bit/768kHz

ANALOGUE INPUT (DS-10 PLUS ONLY)

3.5mm mini jack

AUDIO OUTPUTS

DAC: Stereo RCA @1Volt and balanced XLR @2Volt
PREAMP: stereo RCA, balanced XLR; 1 headphone 6,3mm Jack on the front panel double gain

POWER

Multiple Transformer proprietary power supply
Power consumption: 30W
100-240V, 50/60Hz
Fuse 2A F

EXTERNAL POWER SUPPLY

PSU-10 EVO:
external inductive multi transformer power supply (optional)

NETWORK CONNECTIVITY

LAN/WLAN (WiFi): 802.11b/g via RJ45 10/100Mbps socket
Bluetooth: High Definition 5.0 (44/16)

HIGH QUALITY STREAMING

Tidal, Qobuz, MQA, vTuner, Spotify, Deezer
Airplay, Roon Ready

SUPPORTED AUDIO FORMATS (NETWORK)

PCM 24bit/192kHz:
AIFF (.aif, .aiff, .aifc)
ALAC
WAV (.wav) packed/unpacked
FLAC
MP3
DSD64: DSF, DFF
Apple Lossless
OGG
Monkey's

IMPORTANT: UpnP server must support DSD streaming in order to stream DSD files.

SUPPORTED MEDIA SERVERS

All UPnP / DLNA / Roon

DIMENSIONS AND WEIGHT

200 W x 80 H x 260 D mm
Weight: Kg. 4 net - Kg. 5 boxed

FINISHES

Brushed Aluminium available in Black, Silver or Gold

REMOTE CONTROL

Multifunctional remote control

APP

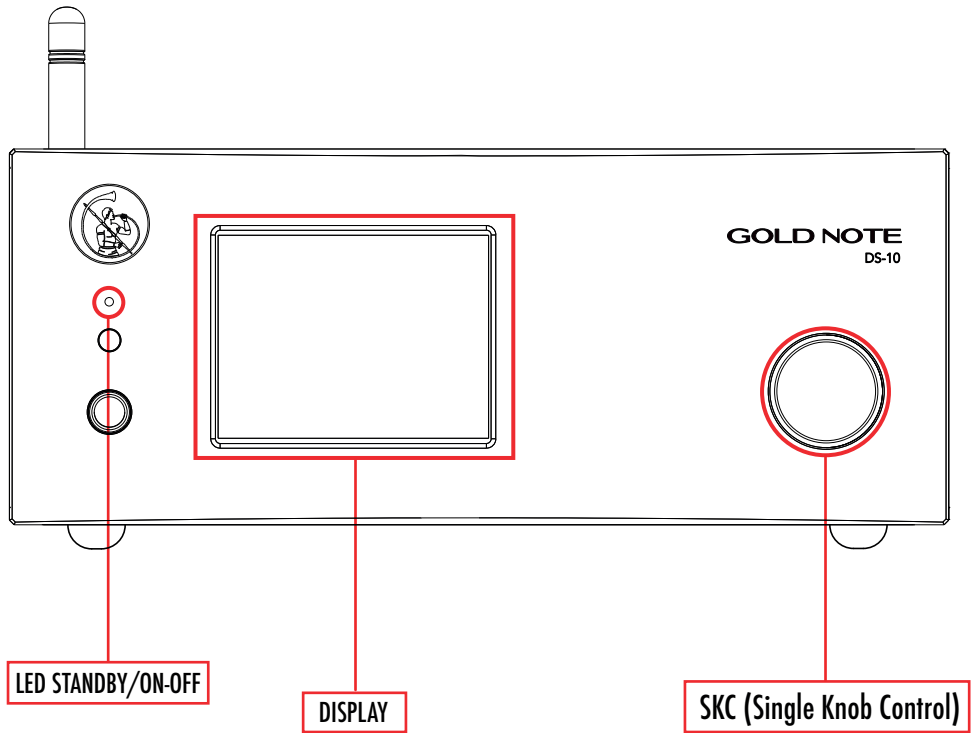
GN Control

FRONT PANEL

FRONT PANEL OVERVIEW

DS-10 is an innovative D/A Converter, Streamer with a High-End headphone amplifier and Bluetooth 5.0. Everything has been designed to provide the best experience and thanks to the exclusive SKC (Single Knob Control) the unit becomes a friendly plug-and-play source that can be fully controlled even without the remote.

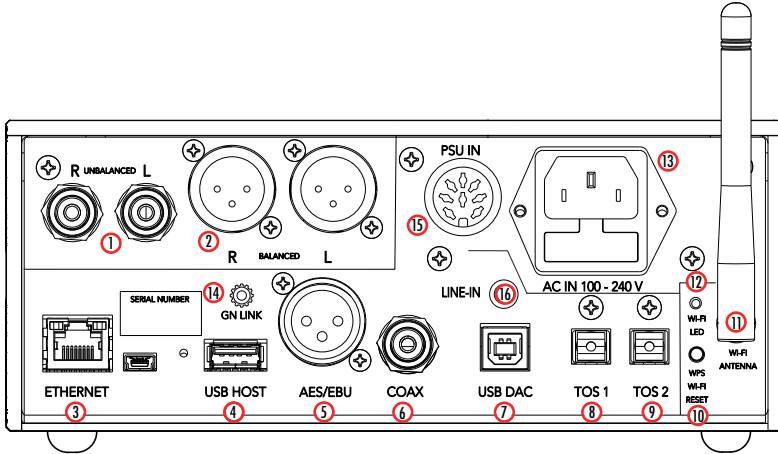
All the information and features are easy to read and access on the display at any time, so you will also have complete control over the system.



REAR PANEL

REAR PANEL OVERVIEW

DS-10 features a wide selection of connections to offer the best versatility and become the core of a real High-End system that will deliver audio in true audiophile quality.



ANALOG LINE OUTPUT

- ① RCA unbalanced
- ② XLR balanced

DIGITAL INPUT

- ④ USB HOST (A type)
- ⑤ AES/EBU balanced
- ⑥ RCA COAX
- ⑦ USB-B type
- ⑧ TOS 1
- ⑨ TOS 2

POWER AND OTHERS

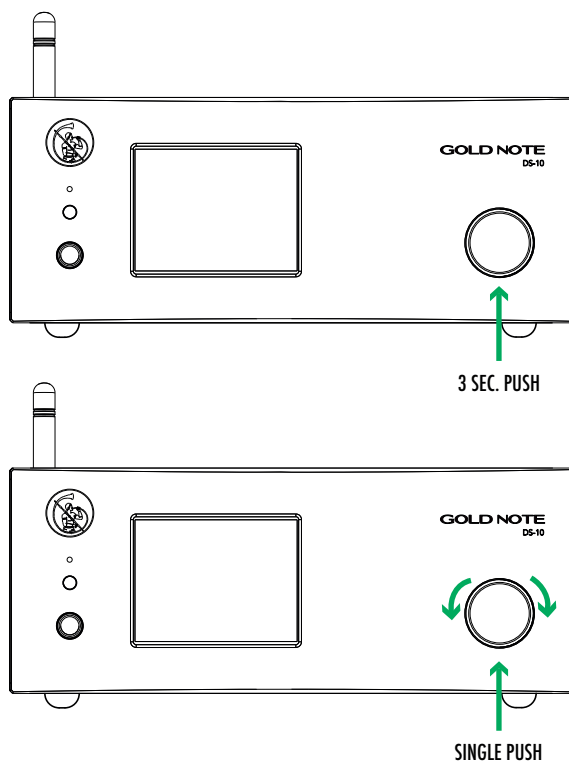
- ③ Ethernet
- ⑩ WPS Wi-Fi reset
- ⑪ Wi-Fi Antenna*
- ⑫ Wi-Fi led
- ⑬ AC plug IEC standard
- ⑭ GN Link connector
- ⑮ PSU IN
- ⑯ LINE-IN (only on DS-10 PLUS)

* **PLEASE NOTE:** the antenna must be mounted

SELECT FUNCTIONS

TURNING ON/OFF DS-10

To turn on/off the unit, press and hold the knob for 3 seconds.



HOW TO SELECT THE FUNCTIONS

1. press the knob once to activate the SELECTION FRAME
2. turn the knob left or right until the desired function is highlighted by in white then press the knob to select it
3. the frame will turn red: now you can turn the knob to change the function
4. press the knob again when the desired value is set to confirm and exit the selection

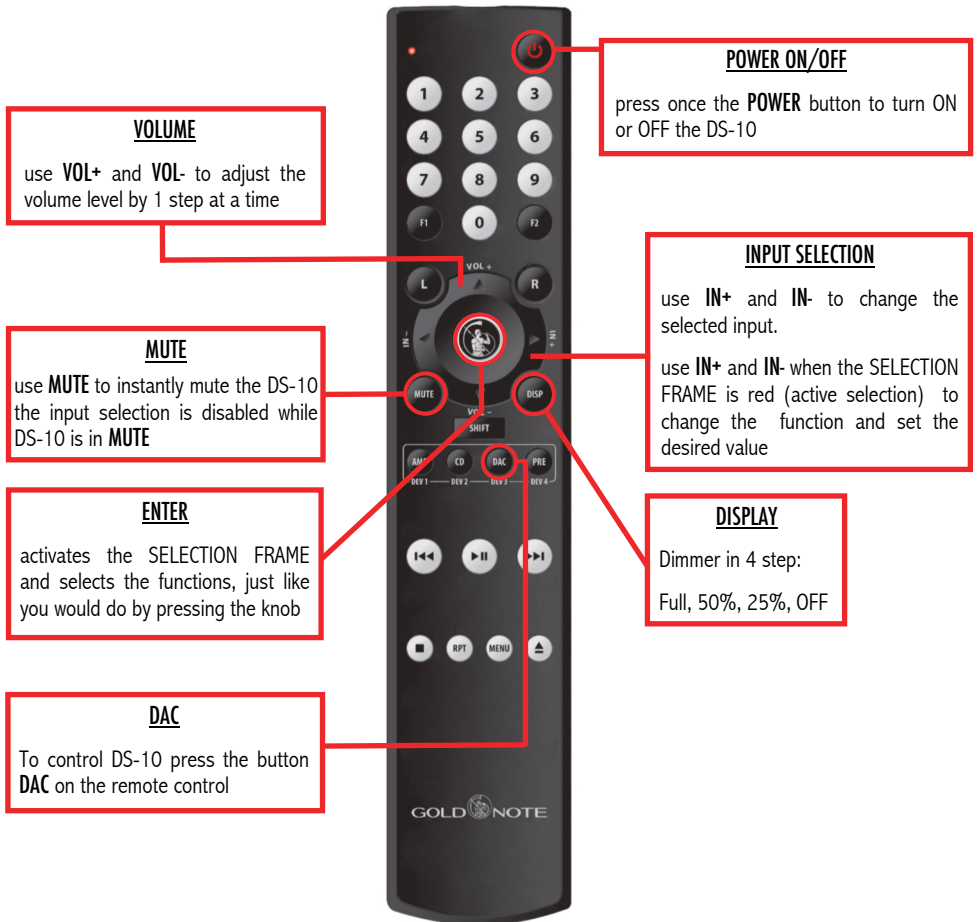
REMOTE CONTROL

USING THE REMOTE CONTROL

DS-10 is supplied with a Gold Note remote control to help you conveniently operate the DAC without even touching the knob located on the frontal panel.

With the remote control you can fully access every function just like you would when using the knob.

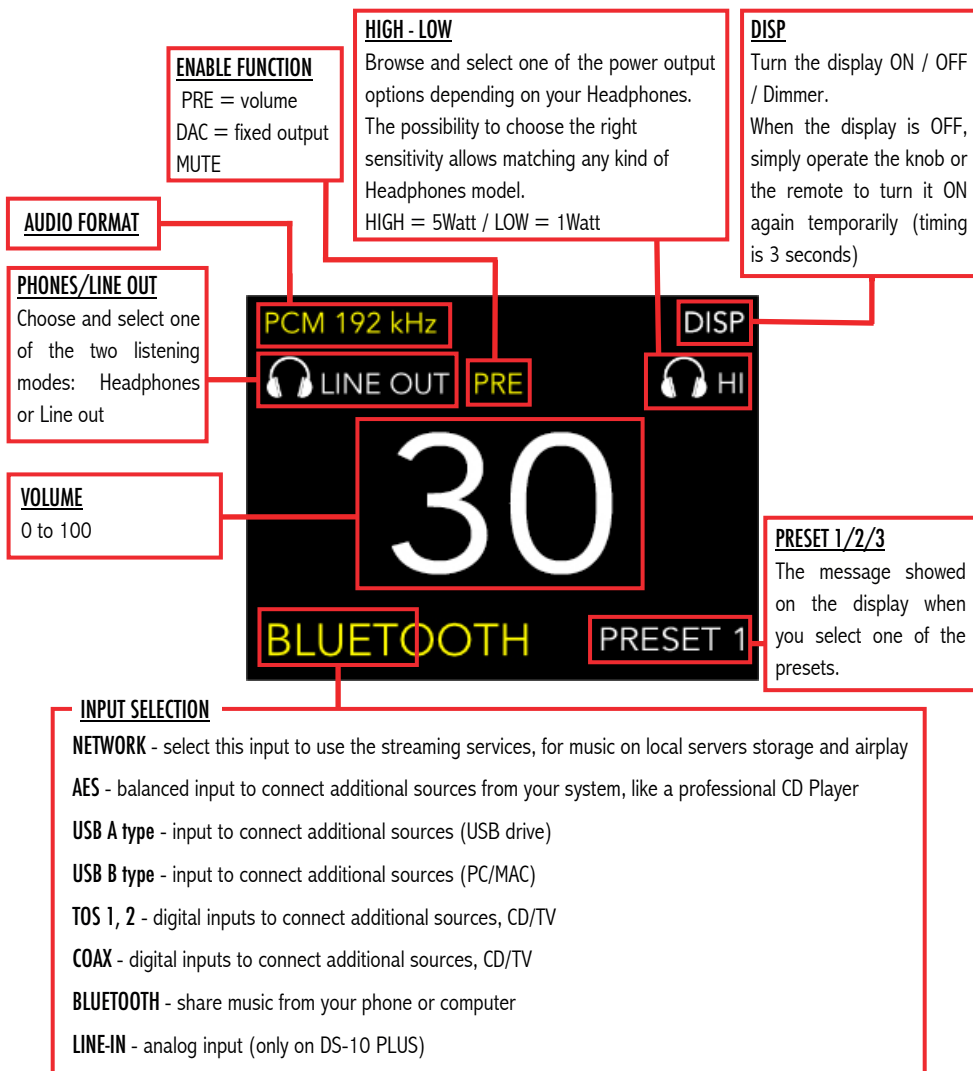
The GN remote control can be used to control more than one unit. To control each unit the correct mode must be selected on the remote.



OVERVIEW DS-10 FEATURES

FEATURES AND FUNCTIONS

DS-10 was developed using proprietary technologies and features designed to offer the best audiophile sound quality but also to achieve ease of use and versatility in order to always deliver a great performance with a large variety of loudspeakers.



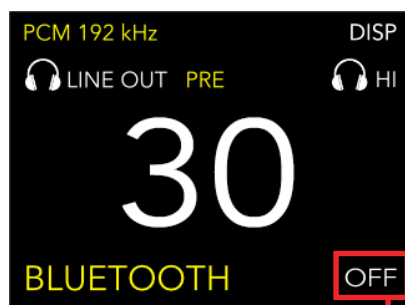
SELECTABLE PARAMETERS

THE CHAMELEON DAC

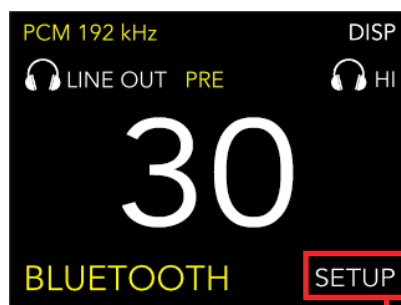
Thanks to its 192 different setup options, DS-10 has the ability to completely blend in with different music genres, giving the listener the opportunity to adapt the behaviour of the unit to the music playing, to one's stereo system and most of all to the listener's taste.

The combination of Equalisation Curve (low pass filter), De-emphasis curve and Power give each device its character and specific sonic profile as well as being the means by which a digital-analogue converter affects the sound.

Other than the DACs on the market, equipped with only one sonic profile, DS-10 allows modifying and storing these parameters in real time through 3 presets.



OFF
DS-10 is in standard mode
(factory setup)



SETUP
Push the rotary knob on the front panel
or the Enter key on the remote control
to access the PRESET menu

ACCESS THE PRESET MENU

To access the PRESET menu one can either use the remote control or the rotary knob on the front panel of the DS-10.

- **By remote control:** use the left and right arrow keys to browse the functions visible on the display. Select the word SETUP and push the ENTER key (central key with GN logo) to confirm and access the PRESET menu.

- **By rotary knob:** turn the knob to browse the functions, select the word SETUP and push the knob to confirm and access the PRESET menu.

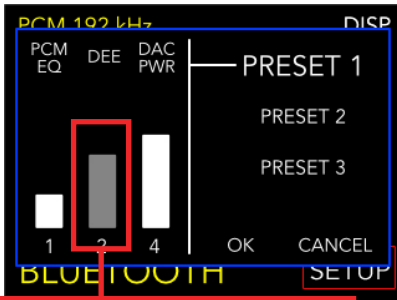
SELECTABLE PARAMETERS

CUSTOMISE YOUR LISTENING

It's really easy to select a PRESET and modify its parameters:

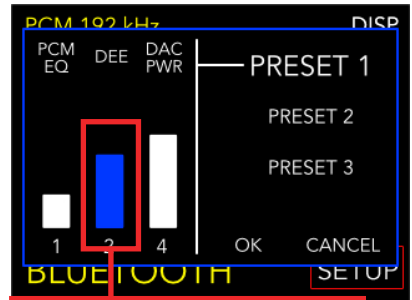
- **By remote control:** use the left and right arrow keys to browse the menu, push the ENTER key to select a parameter. When the selected parameter turns grey it can be changed: use the arrow keys to increase or decrease its value. Press the ENTER key to confirm the selected value. Repeat this operation for all parameters. Select the word OK and press ENTER to save the changes. Select the word CANCEL to undo the changes and return to the main screen.

- **By rotary knob:** turn the knob to browse the menu, push the knob to select a parameter. When the selected parameter turns grey it can be changed turning the knob to increase or decrease its value. Press the knob to confirm the selected value. Repeat this operation for all parameters. Select the word OK and press the knob to save the changes. Select the word CANCEL and press the knob to undo the changes and return to the main screen.



GREY COLOR

The parameter is selected and ready to be modified.



BLUE COLOR

The changes made are confirmed. You can select and modify a different parameter or save the changes made to the PRESET



PRESET 1-2-3

The changes made to the PRESETs remain stored even if the DS-10 is turned OFF.
To use a PRESET previously modified simply select it on the display and push the knob or the ENTER key on the remote control to confirm the selection.

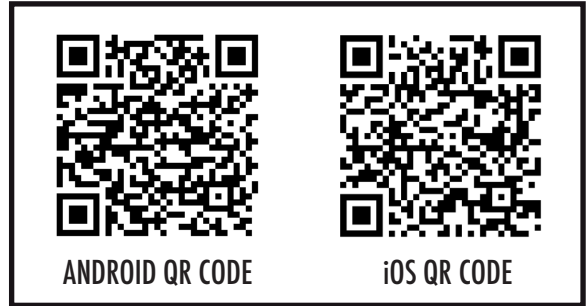
CONTROL APP

DOWNLOAD THE CONTROL APP

Scan the QR Code to download the iOS or Android Control App or search “GN Control” on App Store or on Google PlayStore.

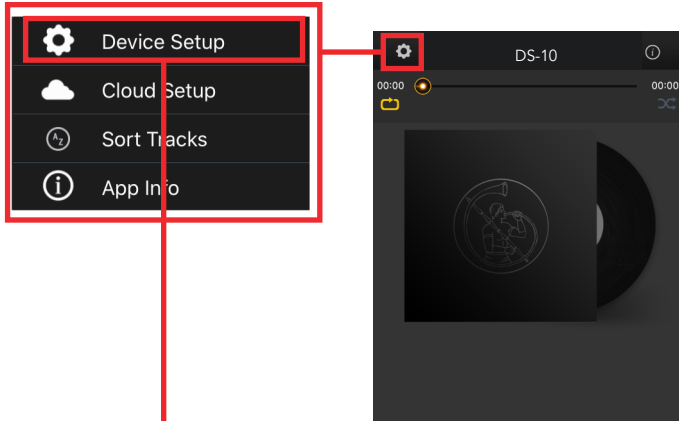
IMPORTANT

To use Gold Note App, the phone/tablet must be connected to the same network of DS-10.



CONTROL APP

DEVICE SETUP



WIFI NETWORK SELECTION — Connect the device to a different Wi-Fi network

DEVICE NAME CHANGE — Rename the device on the network

LAN STATIC IP ADDRESS SETUP

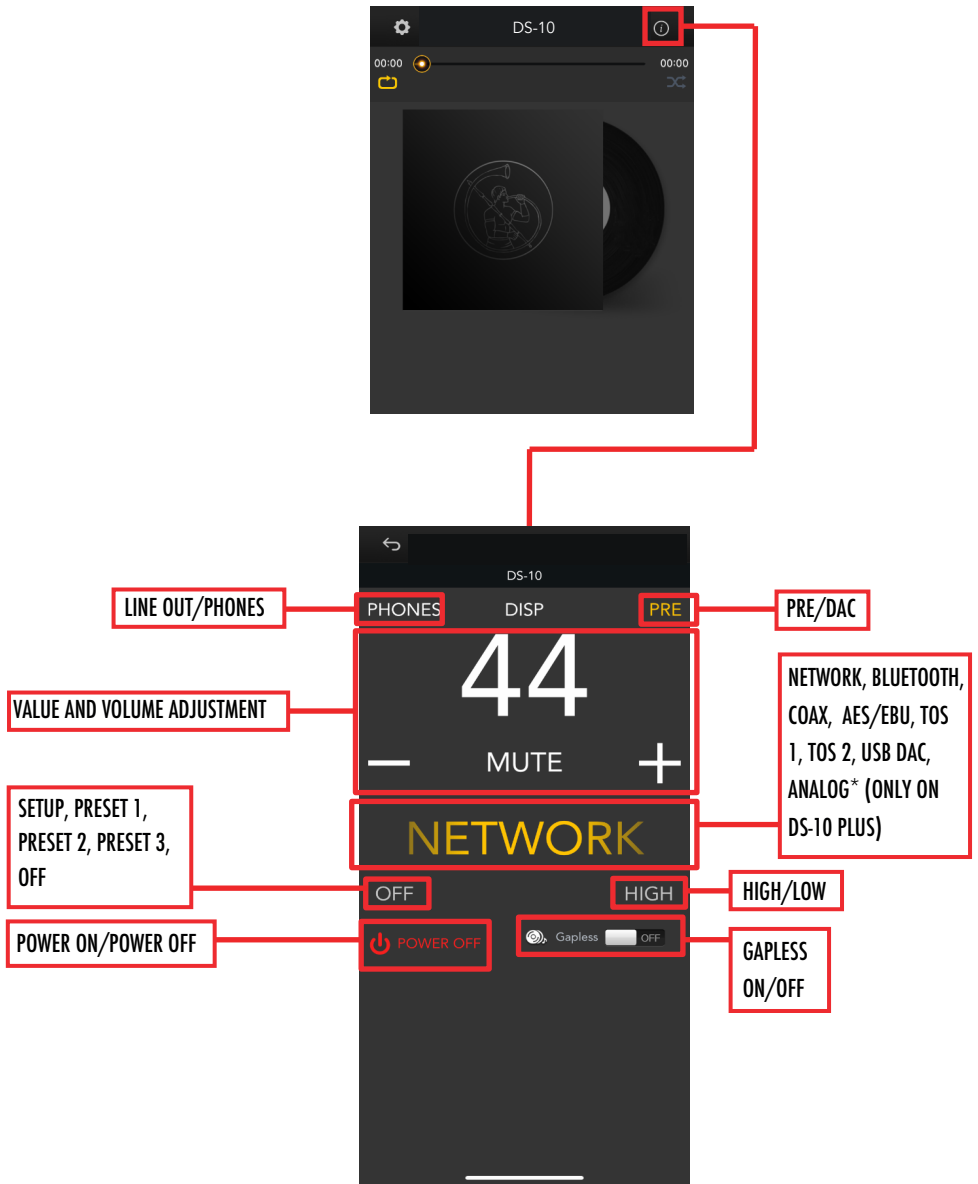
WIFI STATIC IP ADDRESS SETUP

FIRMWARE UPDATE — If there is a new firmware update available, the app notifies it

The image shows a screenshot of the 'GOLD NOTE DS-10' settings screen. At the top, there are two menu items: 'WiFi Network Selection' and 'Device Name Change', both with right-pointing chevrons. Below these is a section titled 'Device Information' containing several rows of data: 'WiFi SSID' (not connected), 'LAN IP' (192.168.3.34), 'WiFi IP' (with a gear icon), 'LAN MAC' (98:5E:1B:00:65:50), 'WiFi MAC' (70:F1:1C:20:54:EC), 'F/W' (goldnote_1cu_Badmrsv v3.8.0), and 'S/N' (CDM212107190181). At the bottom of the screen, a message states 'Firmware is the latest version.' Red boxes highlight the 'WiFi Network Selection' and 'Device Name Change' items, the gear icon next to 'WiFi IP', and the 'Firmware is the latest version.' message. Red lines connect the text labels on the left to these specific elements on the screen.

CONTROL APP

CONTROL PANEL

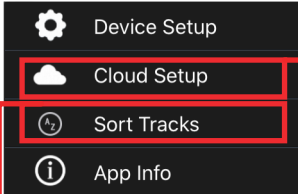


CONTROL APP

CLOUD SETUP AND SORT TRACKS

In **CLOUD SETUP** you will be able to turn **ON/OFF** all the streaming services available on DS-10 as:

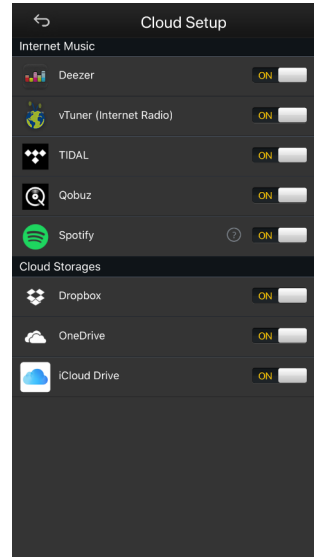
TIDAL, QOBUZ, MQA, VTUNER, SPOTIFY, DEEZER. You will also be able to turn **ON/OFF** the cloud storage services as: **DROPBOX** and **ONEDRIVE.**



CLOUD SETUP

enable and disable:

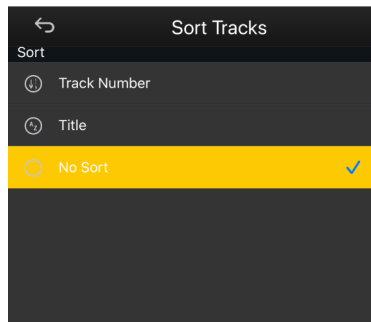
- STREAMING SERVICES
- CLOUD SERVICES



SORT TRACKS

Music tracks in a folder can be sorted by track number and track name.

It can be applied even for each folder.



CONTROL APP

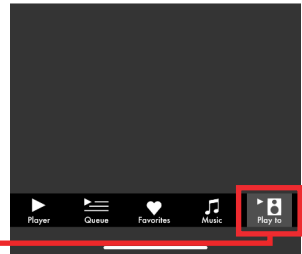
PLAY TO AND MUSIC

PLAY TO

Select the "Play To" tab and then select DS-10.

Please be sure that the DS-10 is connected to the same network the mobile device is using.

If the App doesn't show the DS-10 it is most likely due to the fact the mobile device is connected to a different network than the DS-10.



MUSIC

In the "Browser" tab choose the source of the music:

STREAMING SERVICES

Tidal | Qobuz | MQA | vTuner | Spotify | Deezer

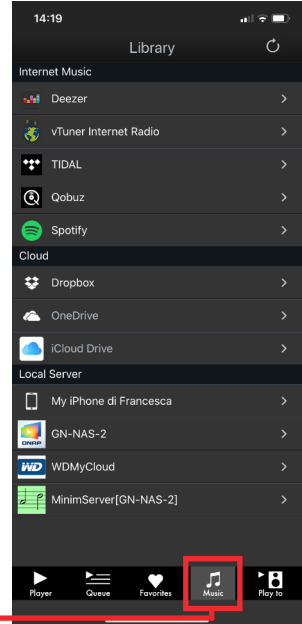
CLOUD STORAGE SERVICES

Dropbox | OneDrive

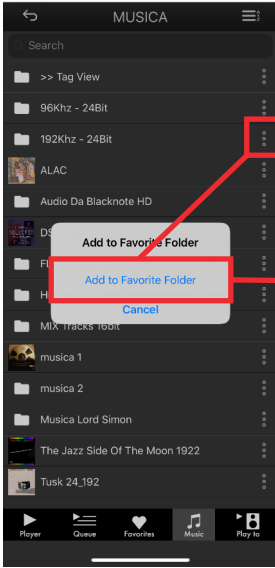
LOCAL SERVERS

Network NAS and UPnP/DLNA services

USB flash drives are listed as "DS-10 Server"



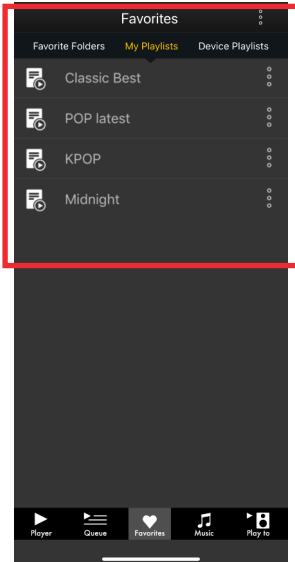
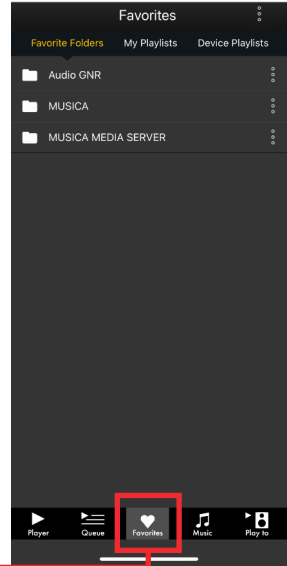
MUSIC AND FAVORITES



FAVORITES

Use this button to add folders and tracks to your Favorites list. The folder/tracks will be then listed in the Favorites tab.

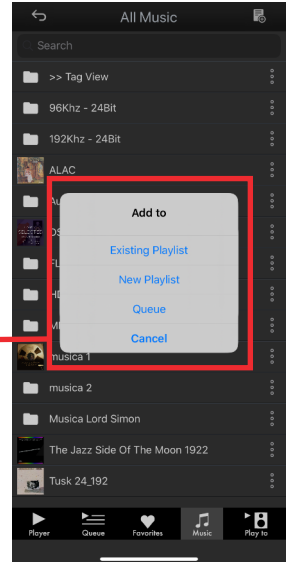
You can find the Favorites tab in the bottom menu.



MY PLAYLISTS

New playlists can be created using this button when you are in the My Playlist screen. Use this tab to manage your playlists, rename or delete them.

You can create a new playlist also while browsing music on Streaming services and local servers. If you don't want to create a new Playlist, simply add the tracks to the playback **Queue**.

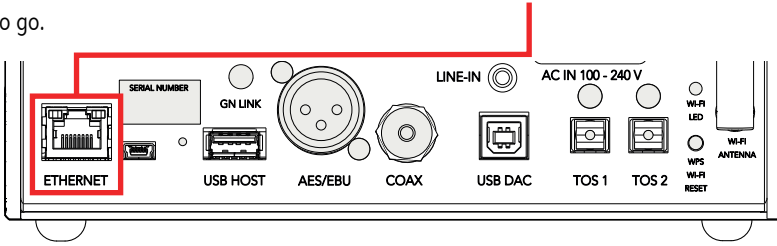


NETWORK SETUP

WLAN CONNECTION

DS-10 supports both Wired LAN and Wi-Fi connection.

To use a Wired LAN connection simply plug the cable into the Ethernet port on the rear panel and you are ready to go.



WI-FI MODULE OFF WHEN CONNECTED VIA LAN

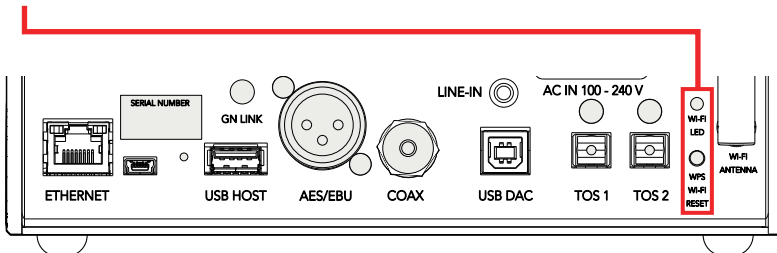
Connecting the DS-10 via LAN automatically turns off the Wi-Fi module.

You can check the Wi-Fi status at anytime by looking at the LED light on the rear panel -the LED is blue when the Wi-Fi is active, and is off when the Wi-Fi module is not active.

WI-FI CONNECTION VIA WPS

The easiest way to connect DS-10 to your network via Wi-Fi is to use the WPS (Wi-Fi Protected Setup) function available on DS-10 and your router:

- 1- press and hold for about 10 seconds the Wi-Fi Reset button on the rear panel of DS-10 and release it when the blue led start flashing fast
- 2- press the WPS button on your router (please refer to the instruction manual)
- 3- wait until DS-10 automatically connect to your network
- 4- the blue led will turn ON when the DS-10 is connected and ready

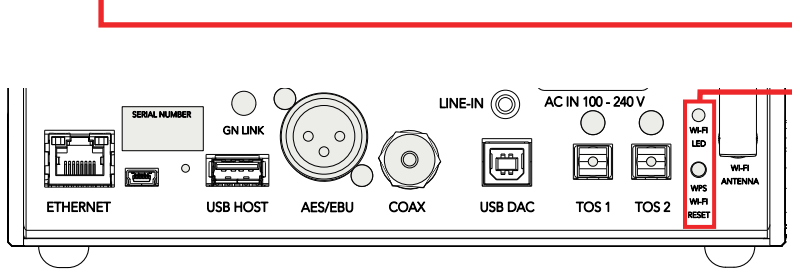


NETWORK SETUP

DS-10 WIFI AP MODE

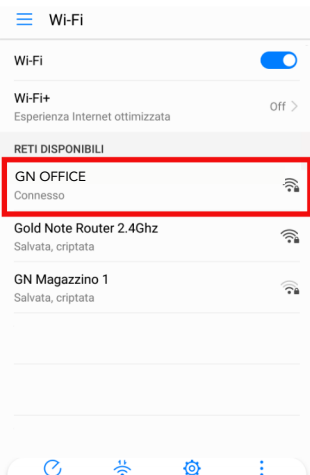
In case your router doesn't support the WPS function or you can't access it, use the Wi-Fi Access Point Mode:

1 - Press and hold for 5 seconds the WPS Wi-Fi Reset button on the rear panel of DS-10 and release it and wait when the blue led start flashing slow DS-10 will create its own wireless network.

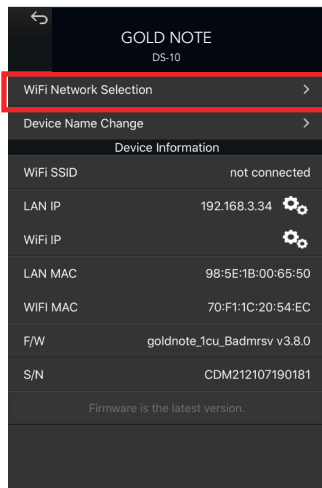


- 2** - turn ON the Wi-Fi on your mobile device and scan the networks to find GOLD-NOTE_XXX
- 3** - connect to GOLD-NOTE_XXX using "password" as password
- 4** - open the App and go into DEVICE SETUP > Wi-Fi Network Selection
- 5** - here are listed the wireless connections available, select the one you want to use with DS-10
- 6** - DS-10 is now connected to the selected Wi-Fi network
- 7** - connect your mobile device to the same network used by DS-10

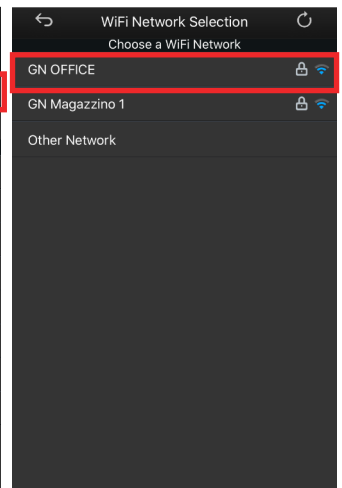
mobile device screen



in App screen



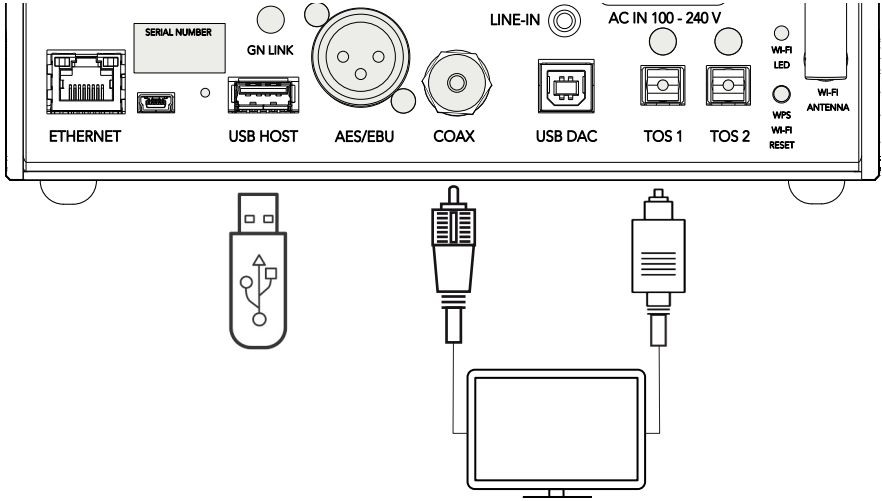
in App screen



CONNECTING OTHER SOURCES

CONNECTING SOURCES VIA DIGITAL INPUT

You can connect digital sources to DS-10 using the digital inputs located on the rear panel.



WARRANTY AND SERVICE

WARRANTY

To validate the warranty is necessary to register the unit on the Gold Note internet web site within 15 days from the purchase on the appropriate area of the web site: www.goldnote.it/warranty

If the unit is not registered correctly or has been purchased from a different country of the purchaser home address the unit will not be covered by any warranty and the registration will be refused.

The warranty does not cover in any case: Tubes, Phono Cartridge Stylus and Batteries.

SERVICE

Every GOLD NOTE product is the result of meticulous technological research, and consequently their correct functioning is guaranteed. In spite of this it is possible that problems may emerge which non-specialist users cannot resolve.

In this case, contact your dealer to be advised on how the fault can be solved.

Do not return any object directly to the factory or to the distributor without being authorised to do so.

In such cases both GOLD NOTE and the distribution agents decline responsibility of any kind.

For more information please visit www.goldnote.it/service

PLEASE NOTE

Descriptions and technical characteristics may vary at any time and without notice.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The GN remote control doesn't control the DS-10	The GN remote control can be used to control more than one unit. To control each unit the correct mode must be selected on the remote.	Select DAC mode on the remote. The button "DAC" is located in the upper part of the remote. See page 10 for more information.
The App can't find the DS-10 in the network	The DS-10 is not connected to the network.	Make sure the DS-10 is connected to the WLAN or LAN either with the Ethernet cable or the Wi-Fi. See page 20 for more information.
		Make sure the RF antenna is correctly installed. It may be impossible to use the DS-10 with the Wi-Fi if the RF antenna is not installed.
		When using Wi-Fi, make sure the DS-10 is connected to the correct WLAN. Don't forget to put in the password to complete the connection if required by your network setup.

If you have any questions contact us at:

service@goldnote.it

For spare parts visit the official **Gold Note** store at:

www.akamaiaudio.it

IMPORTANT SAFETY INFORMATION



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION!

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER ONLY TO QUALIFIED GOLD NOTE SERVICE PERSONNEL FOR SERVICE



WARNING
FIRE OR SHOCK HAZARD



WARNING!

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

Do not disassemble any part of the product.

Do not use any part of the product for other purposes.

For service and problems of any kind, contact qualified Gold Note personnel.

Protect the product from rain, humidity and keep away from heat sources, electric and electronic motors etc.

The power Chord supplied must be used only on this unit.

Gold Note does not have responsibility for any improper use of this unit.

This appliance has a serial number located on the rear panel.

Please record the model and serial number and retain them for your records.

Serial Number: _____

Model: _____

IMPORTANT SAFETY INFORMATION

- 1.** Follow the instructions and store them
- 2.** Heed all warnings
- 3.** Do not use this apparatus near water
- 4.** Clean only with a dry cloth
- 5.** Do not install near heat sources such as radiators, heat registers, stoves or other apparatus
- 6.** Do not defeat the safety purpose of the polarised or grounding-type plug: a polarised plug has two blades with one wider than the other.

A grounding type plug has two blades and a third grounding prong.

The wide blade or the third prong are provided for your safety.

If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 7.** Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 8.** Only use attachments/accessories specified by the manufacturer.
- 9.** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- 10.** Unplug this apparatus during lightning storms or when unused for long periods of time.

- 11.** Refer all servicing to qualified service personnel only.

Servicing is required when the apparatus has been damaged in any way (such as when the power cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture) and in any case when the apparatus does not operate normally or has been dropped.



 [goldnote_italy](https://www.instagram.com/goldnote_italy)

 [Gold Note Audio](https://www.facebook.com/GoldNoteAudio)

 [Gold Note](https://www.youtube.com/GoldNote)

Akamai S.r.l.
service@goldnote.it
www.goldnote.it