



# GOLD NOTE DS-1000 MkII High-End DAC and Network Player User Manual

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## GOLD NOTE DS-1000 MkII High-End DAC and Network Player



## PACKAGE CONTENT

- DS-1000 MkII
- 1 Ethernet cable
- 1 AC cable
- 1 Wi-Fi Antenna
- Remote control + batteries (only DS-1000 Deluxe)
- User manual

## INTRODUCTION AND FEATURES

### AUDIO STREAMING JUST BECAME BETTER

It's time to enjoy your music, and with DS-1000 it's as simple as plugging a flash memory like a USB key and letting it play any audio file, or connecting to the web and tuning on digital radio stations.

To play music files at its best and always with top quality high resolution in 24bit 192kHz, the streamer is equipped with a D/A converter featuring one S/PDif coaxial and one TOS optical digital inputs powered by AKM receiver, and a USB port powered by the top class XMOS U6 500MHz DSD for high-speed peripherals.

### MORE TIME FOR MUSIC, LESS TIME TO MAKE IT WORK

A large 3,5" TFT monitor displays all the information in a clear menu that's easy to browse, showing all USB inputs, digital inputs and radio stations.

Thanks to the exclusive SKC – Single Knob Control – the unit becomes a friendly plug-and-play source you can always control even without a remote.

### TOTAL CONTROL OVER YOUR SYSTEM

DS-1000 offers a unique modular design exclusively modeled for Gold Note's 1000 series to expand and grow your system into a complete all-in-one high-end audio source with an optional internal preamp stage and also an analog balanced stereo input. Modularity is also extended to external accessories, perfect to push the performance even further, up to outstanding levels with:

– two unique optional external Class-A tube output stages TUBE-1006 | TUBE-1012. Power Supplies PSU-1000.

The output stage comes from our experience with Favard CD Player and matches the best digital sources available on the market today with a fully balanced, solid-state Dual-Mono PCM1792A. For a no-compromises experience, DS-1000 optionally gets two exclusive balanced Class A tube output stage units: TUBE-1012 – featuring 12 double triode tubes, is a special unit employing 6 transformers, inductive and tube power supply, ultra-low distortion, noise-less and low impedance output.

TUBE-1006 – a simplified 6 tubes unit, able to significantly improve performances. The unit's voltage will always be extremely stable on every audio signal path due to two proprietary Dual-Mono transformers PSU, achieving high-quality audio performances and annulling digital interferences.

To step up the configuration we designed two external superpower supplies:

– PSU-1000 – 1000 Watt inductive unit able to maximize DS-1000's power and provide full galvanic insulation from the AC system and a perfect unit shielding from RFI and EMI troubles.

### UPGRADE WHEN YOU WANT TO

DS-1000 comes with standard digital volume control and can be connected directly into a power amplifier with no need of any preamplifier. Enthusiasts will be able to appreciate the optional high-quality preamp stage, a PGA single resistor for dual-mono volume control. A stereo balanced analog input is also available as an option to allow DS-1000 to be an integrated control unit and drive a power amplifier directly.

### FULLY CONTROLLED VIA IOS AND ANDROID

DS-1000 features easy setup Apple IOS and Android proprietary software for full control via iPhones and iPads as well as smartphones and tablets. The App makes it easy to control even the digital inputs displaying all metadata, cover and information registered on the track as well as real resolution format.

## **ULTRA VERSATILE DESIGN**

DS-1000 plays directly HardDisk and USB memories via two USB A ports avoiding internal built-in memories. Being a net player works in W/LAN and LAN and also with NAS. The unit also integrates a D/A Converter playing all audio formats up to DSD one Integrated preamplifier and balanced analog input are optional.

## **GOLD NOTE TFT DISPLAY AND SKC**

The Gold Note proprietary SKC – Single Knob Control -and TFT display allow intuitive control conveniently with a single knob. The unit is also fully controlled via Wi-Fi.

## **GOLD NOTE MODULAR DESIGN**

Innovative unique modular design allows a variety of external upgrades, including two Class-A tube output stages and an Exclusive External Inductive Power Supply.

## **TANK MECHANICAL STRUCTURE**

DS-1000 features a great mechanical structure made of solid machined steel and thick aluminum panels to guarantee low-frequency resonance, feedback vibrational control, and low magnetic inertial field

## **OPTIONAL PREAMP AND STEREO ANALOGUE INPUT STAGE**

Two optional integrated preamplifier stage and balanced input to perform a full vertically integrated unit able to drive an audio system on its own.

## **SPECIFICATION**

- DSD Streamer with integrated DSD D/A Converter Frequency response: 5Hz-200kHz +/-0.3dB
- THD – Total Harmonic Distortion: 0.001% max
- Signal to Noise ratio: -125dB
- Dynamic response: 129dB
- Output impedance: 50Ω
- Digital filter: proprietary Zero-Clock circuit enabling three different Master Clock.
- Volume control: switchable On/Off Digital partialized

## **NETWORK**

LAN/WLAN WiFi: 802.11b/g via RJ45 10/100Mbps socket and Antenna playing native and DoP DSD64/128/256 and PCM up to 24bit/192kHz

## **DIGITAL INPUTS**

1 RCA S/PDIF coaxial and 1 TOS-optical asynchronous 24bit/ 192kHz

1 USB-B asynchronous native and DoP DSD64/128/256 and PCM up to 24bit/192kHz

2 USB-A ports for flash memories and HDD (FAT32 only) for native and DoP DSD64 and PCM up to 24bit/192kHz

## **AUDIO OUTPUTS**

Line output level (fixed): stereo RCA @ 2Volt and balanced XLR @ 4Volt

Digital output: S/PDIF, 75Ω RCA 24bit

## **SUPPORTED MEDIA SERVERS**

Minim

Bubble UPnP

all UPnP certified media servers

## **SUPPORTED AUDIO FORMATS**

- AIFF (.aif, .aiff, .aifc)
- WAV (.wav) packed/unpacked
- FLAC, ALAC, MP3
- MPEG-4 – Advanced Audio coding File, .aac, .m4a including Apple lossless.
- WmA – Windows media Audio 9.
- WAX – Windows media audio metafiles.
- ASX – Advanced Stream Redirector (.asx)
- DSD 2.8MHz – mass storage units from USB-A ports and UpNP server
- (IMPORTANT: UpNP server must support DSD streaming in order to stream DSD files).

## **POWER**

- 100-120V / 220-240V, 50/60Hz
- Dual-Mono power supply
- Power consumption: 30W
- Fuse 220/240V 1A F/T
- Fuse 100/120V 2A F/T

## **FINISHES**

Brushed anodized Aluminium available in Black, Silver or Gold

## **UPGRADES**

TUBE-1012: 12 Tubes Class-A output stage with inductive tube power supply.

TUBE-1006: 6 Tubes Class-A output stage. PSU-1000: Inductive external multi transformer super power supply.

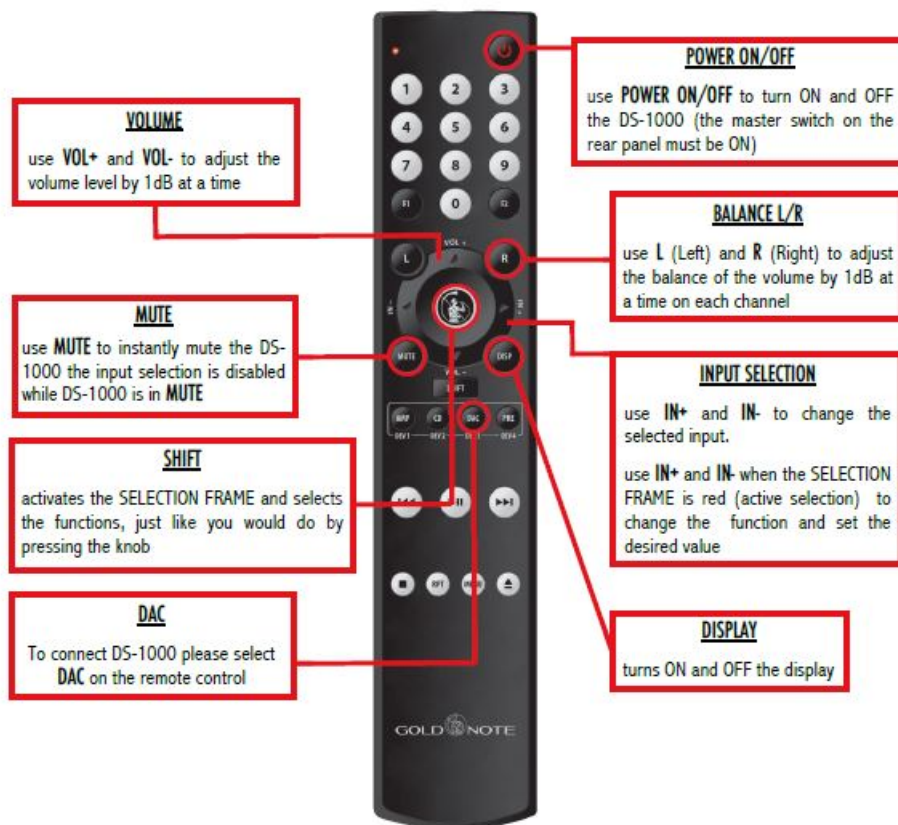
Preamp Stage: a PGA single resistor for dual-mono volume control.

Analogue input: Stereo balanced XLR.

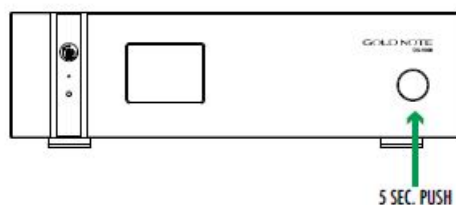
External AC filter: Gold Note Lucca AC distributor. Other: Gold Note Lucca power chord.

## **FRONT AND REAR PANEL**

### **FRONT PANEL**



## OPERATING THE DS-1000

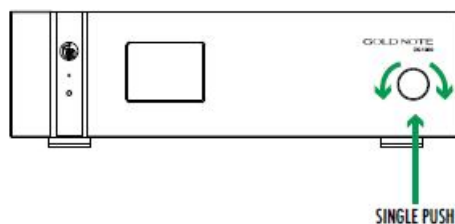


### TURNING DS-1000 ON/OFF

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

### SELECT A FUNCTION

Turn the knob left or right until the desired function is highlighted in white (see fig. 1) then press the knob to select it  
Single Click = Enter/Play 2 Second Long Click = Back to previous/Stop 5 Second Long Click = Standby



Scan the QR code to download the iOS or Android DS-1000 Remote Control App or search for "Gold Note DS-1000 Remote" on App Store or Google Play Store.



## **ANDROID QR CODE**

## **iOS QR COD**

## **IMPORTANT**

To use Gold Note DS-1000 Remote app, the phone/tablet must be connected to the same network of DS-1000

## **REMOTE CONTROL**

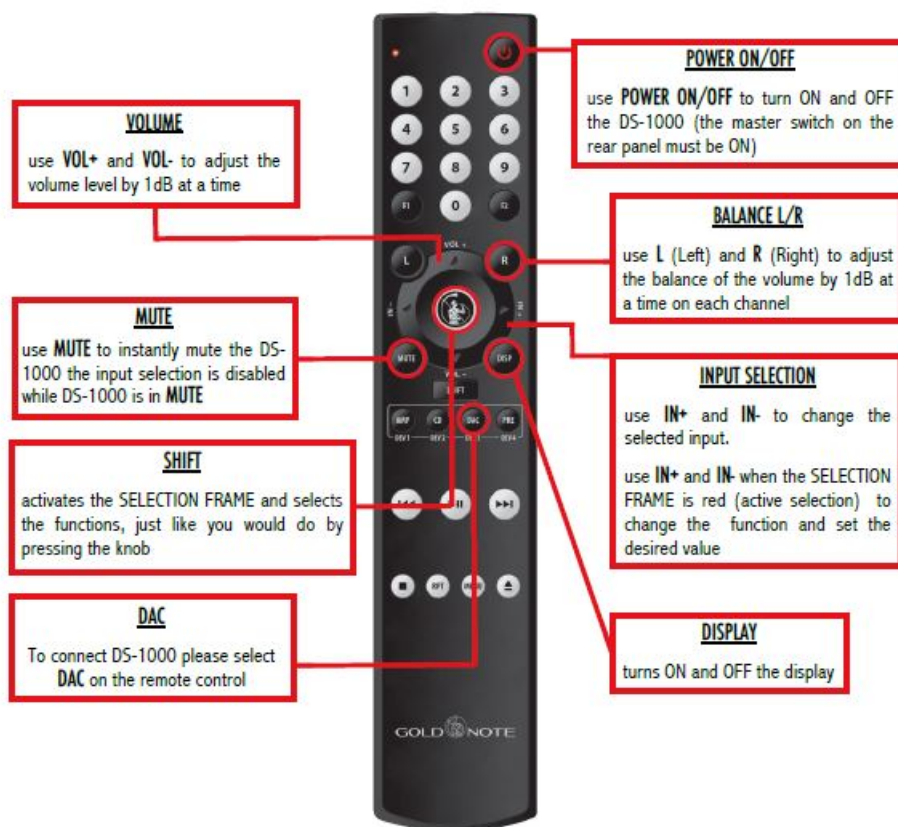
### **REMOTE CONTROL (OPTIONAL)**

DS-1000 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.

## **VOLUME CONTROL**

To enable or disable the digital volume control:

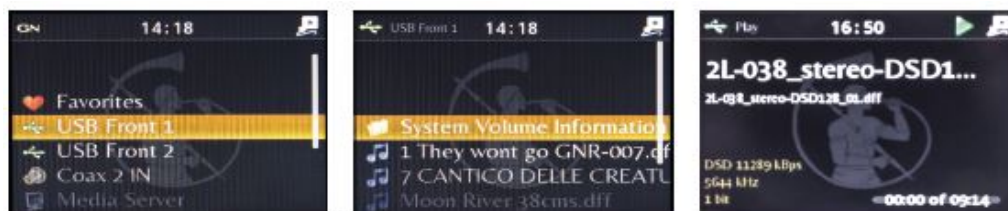
1. select DAC from the remote
2. enter the sequence 0 – 1 – 7 – 4 on the remote
3. the display will show “VOLUME CONTROL ENABLED” or “VOLUME CONTROL DISABLED”



## FUNCTIONS

### PLAYING MUSIC VIA USB

To browse an USB HDD plugged into DS-1000, simply select the USB port in use (1 or 2) and the DS-1000 will display the content of the memory automatically showing the audio files.



### ADDING FAVORITES

It's possible to mark a file as a "favorite" using the App available on iOS and Android.

### USING DS-1000 AS A DAC

To use DS-1000 as a D/A converter, simply select COAX IN or TOS IN from the main menu. The same function will be accessed when selecting USB Host IN, turning DS-1000 in a USB Digital to analog converter. Once the correct input is selected DS-1000 will display the frequency sample (FS) of the source. Apple devices will recognize DS-1000 as a DAC automatically. Windows devices require specific drivers, please download them from our website at [www.goldnote.it/ds-100](http://www.goldnote.it/ds-100)





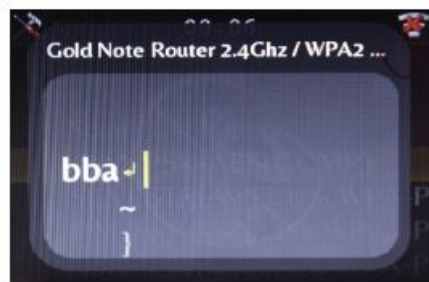
## PLAYING MUSIC FROM NETWORK

Select “Settings” from the main menu, then “Network” to access the connection setup. Select your type of connection between “Wired” and “Wireless” and then choose the correct network setup for DS-1000. “Automatic (DHCP)” is the suggested choice for a home network while setting a static IP address is possibly available. DS-1000 will then ask you to apply the new settings, confirm pressing the knob. Once the network setup is completed the unit restarts automatically upon necessary confirmation. DS-1000 is compatible with every UpNP servers but we suggest to use Universal Media Server or JRiver for the best results.



## SETTING THE SECURITY KEY FOR WI-FI

When setting DS-1000 to use wireless networks, the unit will restart and ask to scan for available networks or to insert manually a net ID. Type the Wi-Fi password using the knob: rotate the knob to select a character; press the knob once to confirm the selection and move to the next character input; press and keep pressed the knob to delete the last character selected. Once the password has been typed, confirm it selecting the symbol Enter



## SETTING A STATIC IP ADDRESS AND WIRED CONNECTION

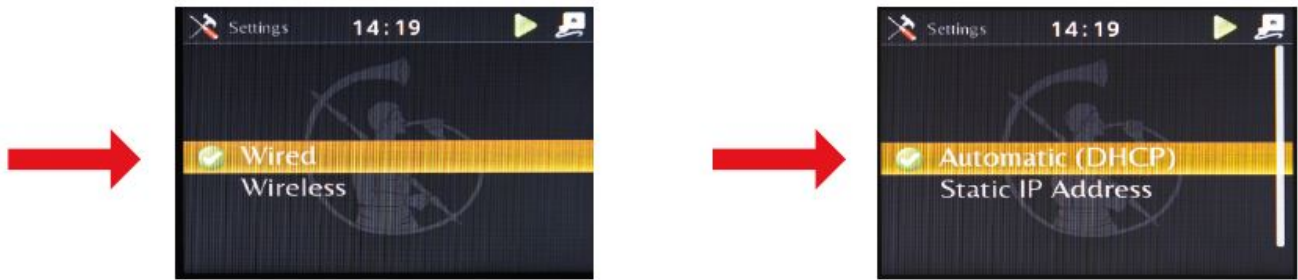
In order to correctly set a static IP address on DS-1000 information related to your network setup will be necessary so please read carefully the Manual of your router. Please make sure you have the following pieces of information:

- IP address: the specific IP address of DS-1000 in the network
- Subnet Mask: usually 255.255.255.0
- Default Gateway Address: the IP Address of your router

## DNS Selecting Static IP Address:



1. select Wired
2. select Static IP Address & alternative: we recommend to use the Google DNS, primary = 8.8.8.8, alternative = 8.8.4.4



### Enter Router IP Address

Set the required parameters following the procedure until the process is completed.

### Enter Subnet Mask

Set the required parameters following the procedure until the process is completed.

### Enter Default Gateway Address

Set the required parameters following the procedure until the process is completed.



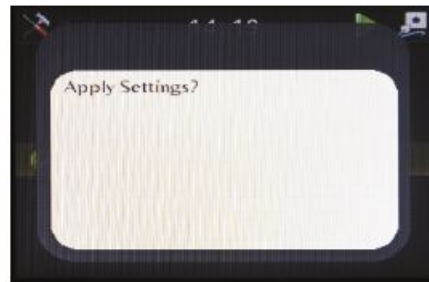
### Enter DNS primary and alternative

Set the required parameters following the procedure until the process is completed.



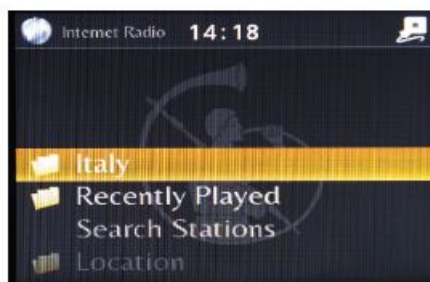
### Proxy server and save Settings

Set the required parameters following the procedure until the process is completed.



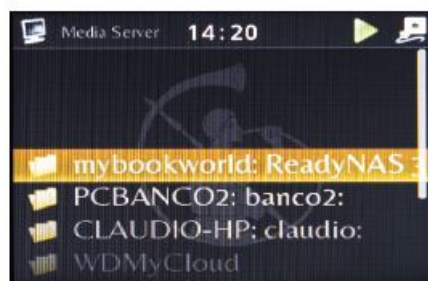
## Internet Radio

Select "Internet Radio" to browse the available radio stations and listen to your favorite ones.



## NETWORK PLAYER

DS-1000 will display all the UpNP units available via network when "Media Server" is selected. Choose the desired server to browse directories and audio files.



## UPDATING DS-1000 SOFTWARE

To update the software DS-1000 must be connected to the Internet. Select "Settings" and then "Software Update" to launch the process.



## OTHER SETTINGS

From "Settings" you will also be able to set other parameters:

**TIME:**

DS-1000 can be set to time zones, daylight savings, and can display the time.

**PLAYBACK:**

access this function to set your favorite play mode (repeat, shuffle and slideshow for image files).

**GENERAL:**

“Reset Settings” will reset DS-1000 to the initial setup “Info” will display the current software version installed and the hardware on the unit.

**OPTIONAL UPGRADE**

TUBE-1012: Class-A 12 Tubes output stage with inductive tube power supply

TUBE-1012: Class-A 12 Tubes output stage with inductive tube power supply



TUBE-1006: Class-A 6 Tubes output stage

TUBE-1006: Class-A 6 Tubes output stage



PSU-1000: Dual-Mono 1000Watt Super External Power supply

## PSU-1000: Dual-Mono 1000Watt Super External Power supply



### PREAMP STAGE:

A PGA single resistor for dual-mono volume control which allows the DS-1000 to be matched directly to power amplifiers or active speakers.

### ANALOGUE INPUT:

Stereo balanced XLR input to connect an external analogue unit such as a phono stage to the DS-1000.

## WARRANTY AND SERVICE

- 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](http://www.goldnote.it/warranty)
- If the unit is not registered correctly or has been purchased from a different country of the purchaser's 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 that non-specialist user 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 authorized 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](http://www.goldnote.it/service)

### PLEASE NOTE

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

## IMPORTANT SAFETY INFORMATION

### 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!

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:

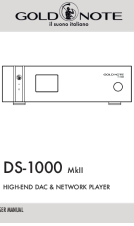
1. Read these instructions and store them.
2. Heed all warnings.
3. Follow the instructions.
4. Do not use this apparatus near water.
5. Clean only with a dry cloth.
6. Do not block the ventilation openings and install in accordance with the manufacturer's instructions.
7. Do not install near heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
8. 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 the replacement of the obsolete outlet.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. 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.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. 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  
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Gold Note


**Akamai S.r.l.**

[info@goldnote.it](mailto:info@goldnote.it)  
[www.goldnote.it](http://www.goldnote.it)

## Documents / Resources

 <p>DS-1000 MkII HIGH-END DAC &amp; NETWORK PLAYER</p> <p>USER MANUAL</p>	<p><a href="#">GOLD NOTE DS-1000 MkII High-End DAC and Network Player</a> [pdf] User Manual DS-1000 MkII, High-End DAC and Network Player</p>
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## References

-  [Gold Note | Il Suono Italiano](#)
-  [Gold Note | Product registration](#)