



CD One Signature

METRONOME TECHNOLOGIE

CD One -Signature

CD Integrated

Made in France

Table of contents

- 1 - Important safety instructions
- 2 - Company profile
- 3 - Introduction
- 4 - Unpacking
- 5 - Utilization
- 6 – CD one Signature CD Integrated
 - 6-1 Installation
 - 6-2 Front view
 - 6-3 Back view
 - 6-4 Utilization
 - 6-4-1 Power on
 - 6-4-2 Listening
 - 6-4-3 Display off
 - 6-4-4 Digital and analog outputs
 - 6-4-5 Cleaning
- 7 - Remote control
- 8 - Technical specifications
- 9 - Warranty
- 10 - Certificate of authenticity

1 - Important safety instructions

ATTENTION

- So as to avoid any risk of fire or electrical shock, maintain this unit on a dry place. Do not expose under rain.
- Before connecting and using this product, we recommend you to read attentively and fully the present manual.
- This power supply generates dangerous voltages for the human body, do not introduce any metallic object by aerations of the casket neither on the connectors. Do not dismantle the upper hood if the unit is not unplugged: for all intervention, thank you to contact your retailer.
- Characteristics, specifications and conception of this product can be submitted to modifications without preliminary notification and this to improve the equipment.

2 - Company profile:

METRONOME TECHNOLOGIE is a French company founded in 1987 by Dominique Giner. METRONOME TECHNOLOGIE has developed over the years a wide range of High End products.

Our products are designed by a team around Dominique Giner: CD transport & integrated, Digital to Analog Converters, Integrated and Power Amplifiers, Pre-amplifiers and now Turntable Gaïa.

The main objective for us is twice: one is to access to the best sound that digital and analog components can provide, applying the most advanced technology available and the second is to reconcile aesthetic and technology.

Our CD One Signature CD Integrated is therefore the result of many months of technical research and countless hours of listening.

3 - Introduction :



Congratulations on purchasing the METRONOME TECHNOLOGIE CD One Signature CD Integrated.

If you desire to contact METRONOME TECHNOLOGIE to ask us any information on your purchase or for a technical detail please connect you to our web site:

www.metronome-technologie.com

The Top loaded CD Integrated is made around material selected for their ability to deliver the best sound. The CD One Signature presents an innovative design and an aesthetic way to extract digital information for the best sound from CD media.

Design specificity:

- Single PCB part design dedicated to the reading mechanism, servo, user control and analogue stage outputs.
- Power supply with individual power transformers and complete independent lines power, providing an inter-stage EMI/RFI radiation protection.
- Delrin clamp and stainless-steel shaft for better CD stability and low jitter.
- Continuous ground link from the disk surface to the electrical earth: no CD static charge so no ESD parasitic and better working conditions for electronic and optic components.
- Lighting of the CD surface for better information extraction: no influence of ambient light.
- Professional drive mechanism with proprietary modifications.

4 - Unpacking:

The CD One Signature CD Integrated has been packed in 1 specially designed box.

- Unpack carefully the machine: attention, to lift the unit, it is recommended to have the help of a second person.

- Please preserve carefully packages and protections, they will be able to be useful for the shipment of the unit in case of maintenance. Please note that the warranty will be considered as cancelled if the units are dispatched incorrectly packed.

- Insure you to have read the important safety instructions chapter before to continue.

The box contains:

- CD One Signature CD Integrated,
- Main electrical cord ,
- Accessories:



- A silver Remote Control.
- A DELRIN[®] clamp.

5 - Utilization:

Your Internal Power Supply for CD One Signature CD Integrated is adjusted for a nominal voltage corresponding to your country's electrical network.

If it fails to operate:

- A - Turn off the CD One Signature CD Integrated drive.
- B - Check fuses
- C - If there is no difference, please contact Metronome Technologie factory.

The display on the front panel indicates the state of the unit: when the display is alight, the power supply is operational.

This power supply can be switched on during a long period however for a prolonged absence, we advise you to switch it off, with the switch on the rear panel of the machine.

This power supply is protected by internal electronic circuits and by a general fuse situated in the block near the main chord, beside the switch. To change the fuse, it is imperative to unplug first the main cable, then open the fuse compartment (see photo on paragraph 6-3) with a screwdriver and replace the fuse by an identical model: 1 Ampere slow blow. The machine is delivered with a second fuse.

ATTENTION: Never modify the value of the fuse.

Note: it is possible that after a long period without functioning, the fuse burns out when the power supply is switched on: in fact when the power supply is completely discharged, on switch on, there is a very important current consumption during a brief instant.

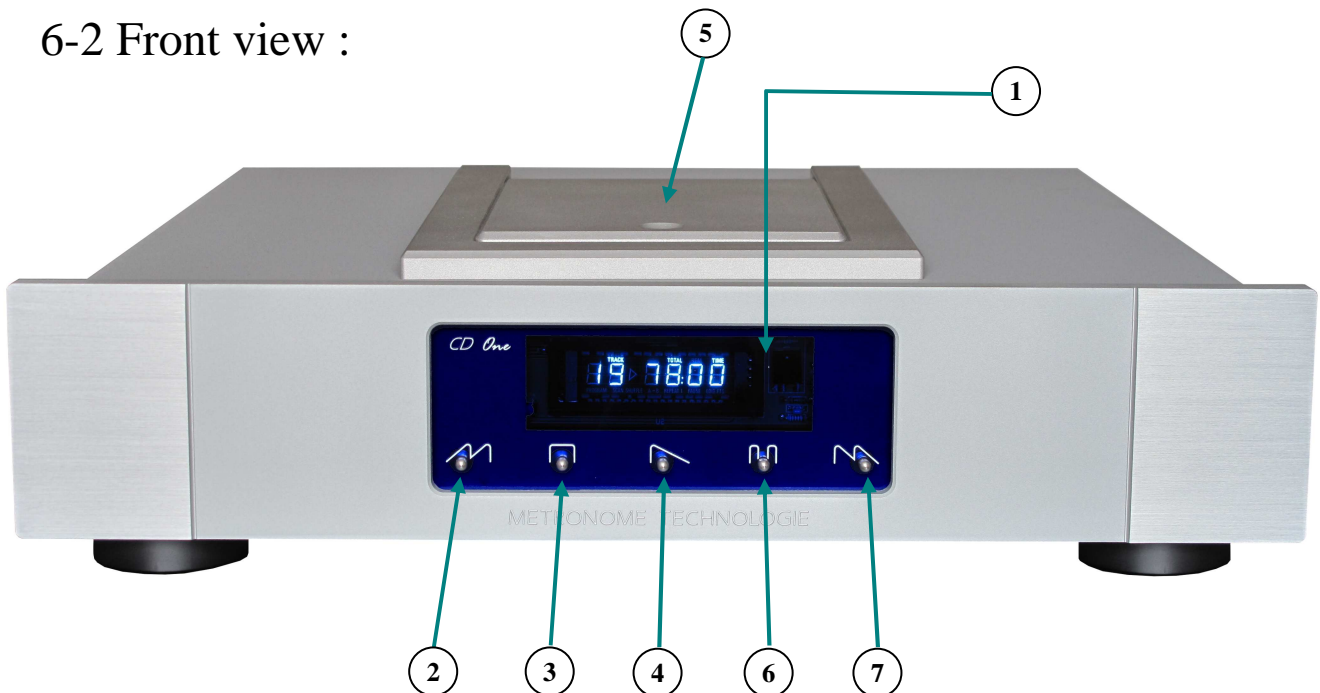
6 – CD One Signature CD Integrated:

6-1 Installation:

Install the CD One Signature CD Integrated on the hi-fi unit or a stable and strong support. Do not install directly on a carpet or an inflammable material. Do not put any object on the top and take care to put the clamp on its support when you don't use the drive.

Connect the output(s) on respective converter(s).

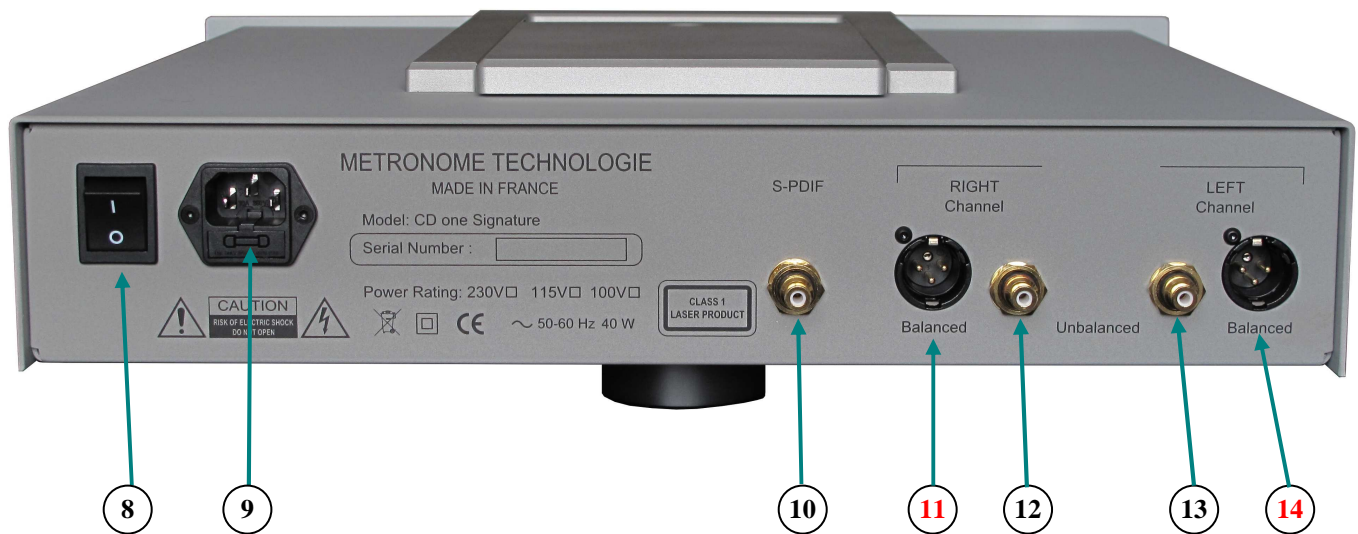
6-2 Front view :



On the front of the CD One Signature CD Integrated:

- ① Display & IR : To show various information like the number of the track in the course of reading, its state of advance of reading, the repeat functions (1 or all) and pauses ; Infrared Receptor for remote control
- ② Previous track: To select the previous track on the cd.
- ③ Stop: To stop the reading of cd.
- ④ Play: To start the reading of cd.
- ⑤ Drawer: Must be opened to introduce the CD.
- ⑥ Pause: To stop the reading of cd during few seconds.
- ⑦ Next track: To select the next track on the cd

6-3 Back view:



On the back of the CD One Signature CD Integrated:

- ⑧ Power entry connector & fuse compartment: To plug the electrical network cable and change fuses if broken.
- ⑨ Power switch ON/OFF: Push down to switch on the power supply and push up to switch off .
- ⑩ RCA S/PDIF: S/PDIF digital output *
- ⑪ UNBALANCED RIGHT: Right unbalanced output
- ⑫ BALANCED RIGHT: Right balanced output
- ⑬ BALANCED LEFT: Left balanced output
- ⑭ UNBALANCED LEFT: Left unbalanced output
- ⑪ & ⑭ Available with CD One Balanced Version

* Note: all outputs marked by a star need to go to an external converter

6-4 Utilization:

6-4-1 Power on:

Now you can switch on the CD One Signature. To do this, push switch [8] on lower position. If the CD One Signature's drawer is open, the display indicates "OPEN". The CD One Signature CD Integrated can be switched on during a long period however for a prolonged absence, we advise you to switch it off, with the switch [8] on the rear panel of the machine.

6-4-2 Listening:

Put a CD into the CD One Signature CD Integrated, attentions don't forget the clamp. After closed drawer, the CD will initialize by reading the T.O.C. of CD, so it indicates number of tracks and total time and then stops waiting for a user order. You can begin the listening by a press on switch [4] on the board of CD One Signature CD Drive. For other function please refer to paragraph 6-2. Note that you can drive the CD One Signature with the remote control (refer paragraph 7).

6-4-3 Digital and analog outputs:

With the CD One Signature you have 1 digital output & 4 analog outputs:

- Output [10] is S/PDIF format output.
- Output [12] & [13] are right and left unbalanced 24 Bit/96 Khz sampled outputs.
- Output [11] & [14] are right and left balanced 24 Bit/96 Khz sampled outputs.

6-4-4 Cleaning:

To clean your CD One Signature CD Integrated, use a **SOFT CLOTH** with no abrasive cleaning product.

6-4-5 Technology:

- **Power supply:** The power supply is integrated into the drive and has separate and independent regulations for the different sections of the drive.

- **CD One Signature CD Integrated:**

- The CD One Signature has an internal DAC 24 Bit / 192Khz. The converter chip has been selected for its high audio quality. This chip is one of the most precise DAC available today. The analog stages are developed with very special operational amplifiers, because they work with class A polarization, high bandwidth and slew rate. The output impedance is low so there is no lose in high frequency. The user has the possibility to drive unbalanced or balanced pre-amp.

- The digital output is totally independent and the user hasn't the possibility to choose the Sample Frequency fixed to 44.1 KHz .

7 - Remote Control:

Remote control

On the top of the CD One Signature's Remote Control:



Please unpack carefully the remote control.

Please preserve carefully packages and protections, they will be able to be useful for the shipment of the unit in case of maintenance.

For cleaning the remote control, please use a sweet and no abrasive cloth. Never use any solvent or chemical product.

For finger prints, only use a window-pane cleaning product.

This remote will operate with 2 batteries CR2025 (included).

- Direct access to the disk tracks by pressing on [0] to [9] keys.
- **PLAY TRACK** function by pressing on the key: ▷
- **NEXT TRACK** function by pressing on key: ▷▷
- **PREVIOUS TRACK** function by pressing on key: ◁◁
- **PAUSE** function by pressing on key: ||
- **STOP** function by pressing on key: □
- **REPEAT** function by pressing on key [REP]: Pressing this key once time, the drive will play the disk indefinitely. Pressing a second time the key, the drive will play the current track indefinitely; and by pressing one more time, the drive will operate on normal play mode.
- **DISC** function by pressing on key [DISC], the tray will open. This function is available on electric tray drives only.
- **STANDBY** function by pressing on key [I], the drive will enter on standby mode. If you have to keep the drive for a long time without use, it is better to switch off the machine with the main switch.

Note: For a correct function of the remote, we recommend a 40° max angle of incidence with the receptor.

8 - Technical Specifications:

- **PICKUP MECHANISM:**

- CDM 12 PRO II V6.8

- **DIGITAL OUTPUT: 1 output**

- RCA S/PDIF 75 OHMS
 - Output sample Frequency: 44.1 KHz

- **ANALOG OUTPUT:**

- Unbalanced: 2.5 V RMS @ 0dB - 600 Ohms - Connector RCA
 - Balanced: 2.5 V RMS @ 0 dB - 600 Ohms -Connector XLR
 - Total Harmonic Distortion: -95dB Max
 - Gain Error: 0.12dB Max
 - Frequency bandwidth: 10 Hz 50 KHz +/- 0.1 dB
 - Signal/Noise Ratio : more than 95 dB
 - Phase rotation : +/- 1°

- **INTERNAL POWER SUPPLY:**

- Voltage: 100 VAC +/- 10% - 50/60 Hz - Japan
 - Voltage: 120 / 240 VAC +/- 10% - 50/60 Hz – Other countries
 - Consumption : 40 VA Max

- **CASKETS :**

- Dimension CD Transport : W x H x D : 425 x 120 x 420 (dim en mm)
 - Weight CD Transport : 15 Kg – 30 lbs

9 - Warranty

METRONOME TECHNOLOGIE Sarl warrants the components of your METRONOME TECHNOLOGIE product for a 2 years period from the purchase date

In the event of failure of your product, METRONOME TECHNOLOGIE will repair, readjust and, should the occasion arise, replace the units providing that all the clauses contained in the warranty are met.

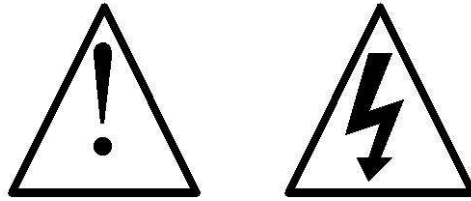
In order to initiate service of any kind, it is necessary to obtain first distributor or dealer authorization and then, ship the unit prepaid.

Any of the following conditions shall avoid the warranty:

- 1 – Operations not in accordance with this manual.
- 2 – Abuse, accident or unauthorized modifications as determined by METRONOME TECHNOLOGIE S.A.R.L. exclusively.
- 3 – Removal, defacing or falsifying of the serial numbers.
- 4 – Shipping without the complete factory cartons.

METRONOME TECHNOLOGIE S.A.R.L. shall not be liable for any accidental damages regarding operation, failure, trouble-shooting or repair of your CD One Signature CD Integrated.

Warning: Potential Shock Hazard



TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This product uses high voltage. There are no operator serviceable parts inside. Refer servicing to qualified personnel only. Observe all warnings and instructions marked on the product. Use only a grounded outlet.

Do not install or use this product near water or when you are wet. Install the product securely on a stable surface.

During operation the vacuum tubes (if any) become hot: do not touch.

Information

Marking by the “CE” symbol indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.

SAFETY INSTRUCTIONS

Before operating your METRONOME TECHNOLOGIE equipment, please read all instructions and precautions carefully and completely.

1. **ALWAYS** disconnect your entire system from the AC mains before connecting or disconnecting any cables, or when cleaning any component.
2. A **three-conductor AC mains power cord** which includes an earth ground connection must be used. To prevent shock hazard, all three connections must **ALWAYS** be used.
3. **Original AC main power cord** is recommended for use with this product.
4. **NEVER** use flammable or combustible chemicals for cleaning.
5. **NEVER** operate this product with removed cover.
6. **NEVER** wet the inside of this product with any kind of liquid.
7. **NEVER** pour or spill liquids directly onto this unit.
8. **NEVER** block air flow through ventilation slots or heat-sinks.
9. **NEVER** bypass any fuse.
10. **NEVER** replace any fuse with a value or type other than those specified.
11. **NEVER** attempt to repair this product: contact your retailer.
12. **NEVER** expose this product to extremely high or low temperatures.
13. **ALWAYS** unplug sensitive electronic equipment during lightning storms.

Certificate of conformity

We hereby certify that your

Metronome Technologie

Model : CD One Signature CD Integrated

*Has been produced in our factory located in
France.*

*Every possible quality control measure was
taken to ensure that your have acquired the
most perfect and reliable product.*

Dominique GINER