

**GRAND
MASTER**
Instruction Manual

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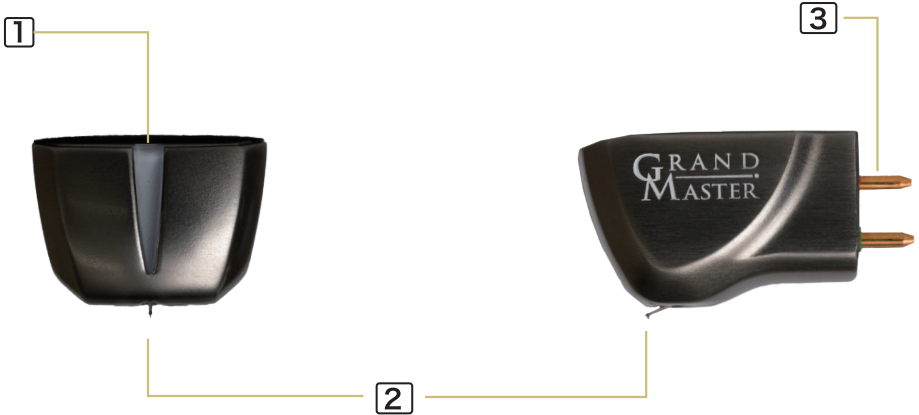
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Supplied items

If any items missing, please contact our authorized dealer or DS Audio.

- Grand Master cartridge
- Grand Master needle cover
- Cartridge screw (M2.6)
- Grand Master Equalizer unit
- Grand Master Power Unit
- DC cable 50cm (7pin) x 2
- DC cable 50cm (5pin)
- DC cable 90cm (7pin) x 2
- DC cable 90cm (5pin)
- power cable
- instruction manual

Names and functions (Grand Master Cartridge)

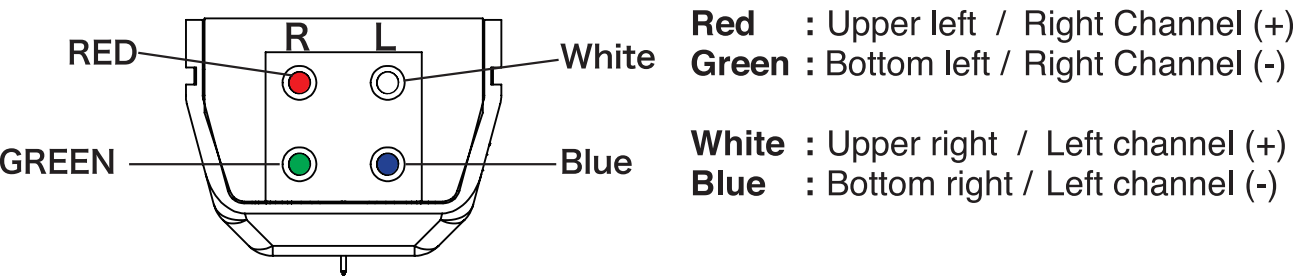


- 1 Power indicator LED**
LED indicates power is on when it is lit. When Equalizer is turned on, yet LED is not lite,check the Cartridge connection and Equalizer connection
- 2 Cantilever / Stylus**
Adjust the Stylus pressure carefully as recommended.
Other settings should follow as those for MM / MC cartridge.
- 3 Output pins**
Connect Output pins as described in “Output pin connection”.

⚠ Precautions

- 1. Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.
- 2. Operational temperature should be 20degreeC to 26degree C. Warming up is recommended in winter time.
- 3. This optical cartridge is Amplitude proportional signal read out. It required our designated equalizer. Outputs from the equalizer should be connected to CD / AUX terminals of your amplifier. Do not connect to Phono terminals.

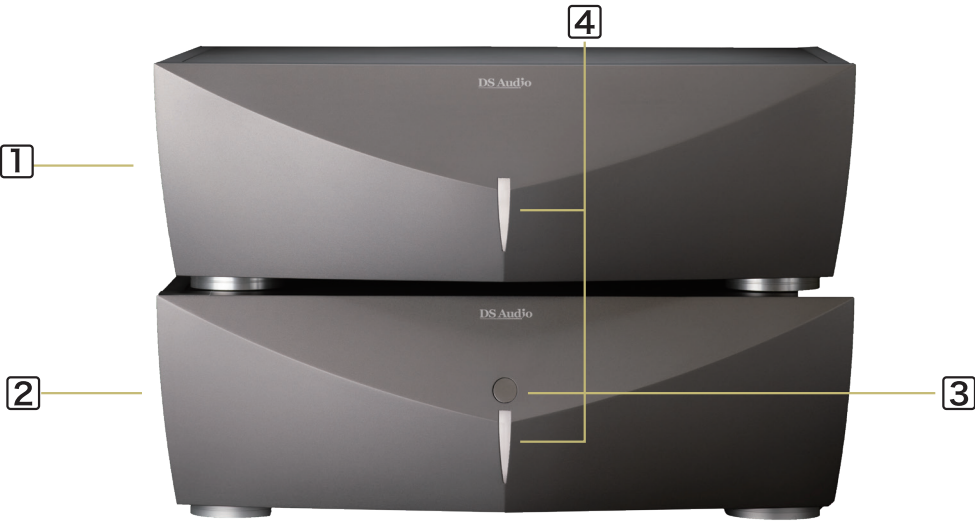
“Output pin connection”



◀ Stylus Replacement ▶

Stylus replacement is available at DS Audio. Please consult our authorized dealer for its cost and time.

Names and functions (Grand Master Equalizer)



1

Grand Master Equalizer unit

Connect to the power unit with the DC cable provided. It will not work unless it is connected to the power unit.

2

Grand Master Power Unit

Connect to the equalizer unit with a DC cable. It will not work unless it is connected to the equalizer unit.

3

Power Switch Power On / Off button

4

POWER indicator

The LED lights up when the power is on.

5

Power inlet terminal

Connect to the power outlet with the supplied AC power cable.

6

Input terminal & GND terminal

Connect the ground wire from the analog player to the GND terminal.
L / R channel lines of your turn table player are connected to those terminals.
Make sure that each channel is connected to the same channel, while Optical cartridge is taking power out from those lines, Misconnection may damage the cartridge.

7

Power unit & equalizer unit connection terminal

Connect the power unit and the equalizer unit with the included DC cable.
There are two sets of DC cables, one with a length of 50 cm and the other with a length of 90 cm.
Use a DC cable with an appropriate length according to the setting distance.

DC Input (out put) 7-pin DC cable for connecting L and R,

Use a 5-pin DC cable to connect DC Input (out put) C.

Never turn on the power until you connect the DC cable.

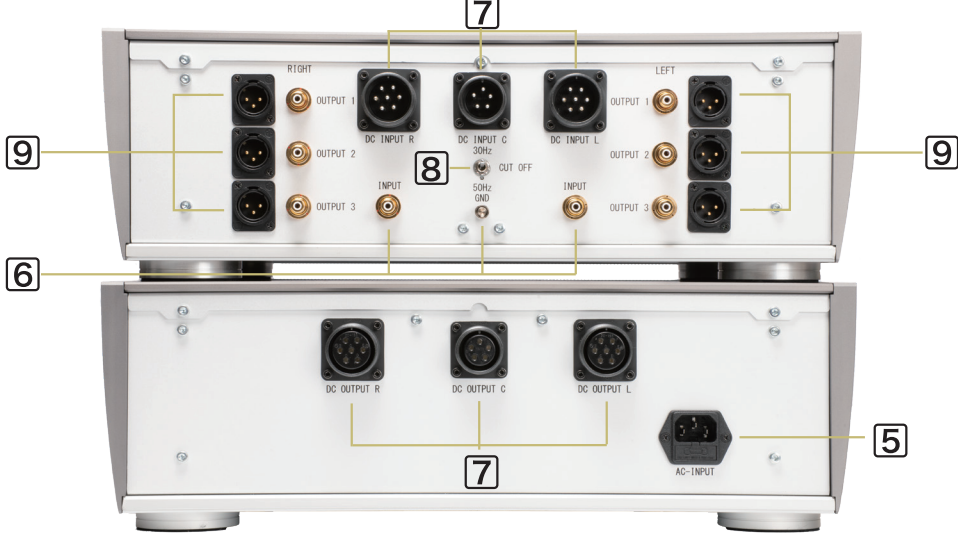
Please wait about 1 minute after turning on the power until the power stabilizes.



Connection example

The power unit is equipped with a discharge circuit to discharge the electricity accumulated in the electrolytic capacitor.
Do not disconnect the connection cable for 5 minutes after turning off the power to ensure proper discharge.
If the connection cable is pulled out within 5 minutes after turning off the power, do not reconnect the connection cable until spontaneous discharge (about 1 hour).

3



8

Low cutoff switch

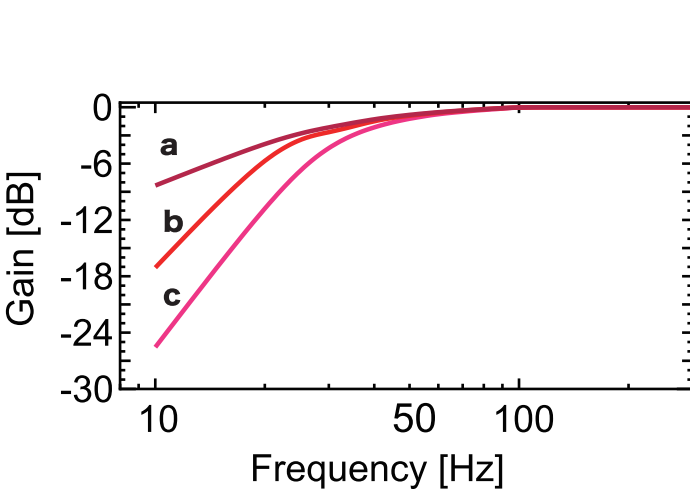
You can select the cutoff of the low frequency range below 30Hz or below 50Hz.
Refer to the graph below for the low-frequency roll-off graph when each is selected.

9

RCA output and XLR output (balanced output 2nd hot)

* Connect outputs 1 to 3 to line level input terminals such as AUX terminals.

* You can select from a total of 6 types of patterns so that you can select the output that best matches your system. These 6 types of outputs differ only in the low cutoff curve.



a, 30Hz switch selected OUT PUT1 output (LINE output)

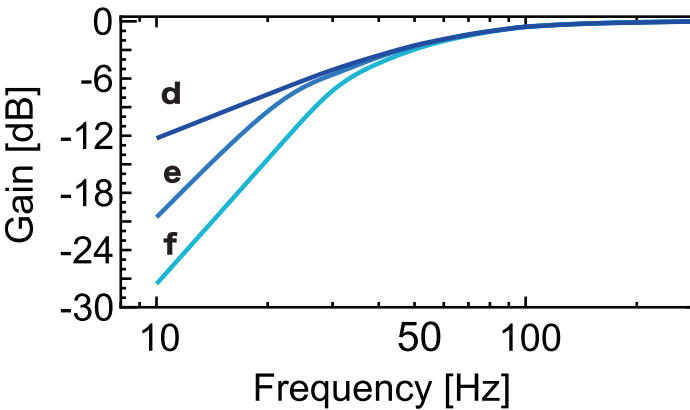
It is equipped with a cutoff analog filter from 30Hz to 6db/oct.

b, 30Hz switch selected OUT PUT2 output (LINE output)

Equipped with a cutoff analog filter from 30Hz to 6db/oct and 25Hz to 12db/oct.

c, 30Hz switch selected OUT PUT3 output (LINE output)

The analog filter of the cutoff of 35Hz to 12db/oct, 30Hz to 6db/oct, and 25Hz to 12db/oct is installed. Please use when you do not want to move the woofer or when there is a lot of warp in the record.



d, 50Hz switch selected OUT PUT1 output (LINE output)

It is equipped with a cutoff analog filter from 50Hz to 6db/oct.

e, 50Hz switch selected OUT PUT2 output (LINE output)

Equipped with a cutoff analog filter from 50Hz to 6db/oct and 25Hz to 12db/oct.

f, 50Hz switch selected OUT PUT3 output (LINE output)

The analog filter of the cutoff of 35Hz to 12db/oct, 50Hz to 6db/oct, and 25Hz to 12db/oct is installed. Please use when you do not want to move the woofer or when there is a lot of warp in the record.

4

Caution

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment. To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.



WARNING



Do not operate this equipment when it is broken

When it is broken, do not turn the power on.
Unplug the AC power line and keep the switch turned off.
Turning the power on may cause fire or smoke.
Do not open the cabinet to avoid electrical shock.



Do not make any changes or modification

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.



Keep away from water/moisture

To reduce the risk of fire or electrical shock, keep this apparatus away from water / moisture.



No liquid nearby

To reduce the risk of fire or electrical shock, do not place drinks/any liquid nearby for precaution.



Do not open the cabinet

Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.



PRECAUTION



Place this apparatus firmly

Avoid placing this apparatus on unstable table.
Do not tilt the apparatus.



Away from heat and dust

Avoid placing this apparatus in dusty place / high temperature



Connections to other devices

When connecting this apparatus, please refer to the setup manual of connecting devices

Trouble shooting

Should any problem persist after you have checked those symptoms, please consult our authorized dealer nearest to you.

Symptom	Cause	Corrective action
No Power	No AC power	Check the power cord connected securely Plugs are dirty. Clean the plugs with a dry soft cloth periodically.
No sound	Loose connection	Connect signal plugs firmly. Plugs are dirty. Clean the plugs with a dry soft cloth periodically.
Hamming noise	Loose Ground connection Plugs are dirty	Connect ground line firmly. place it away from noise source such as transformer / motor

Specifications

Grand Master

Grand Master CR

Output Signal level	70mV and more(at cartridge output)
Channel Separation	27dB and more
Needle Pressure	2.0g ~ 2.2g(2.1g is Recommended)
Canti-lever	Diamond
Stylus	Micro Ridge Stylus
Weight	7.7 g
Body Material	Super Duralumin
Cantilever holder material	Stainless

Grand Master EQ Equalizer unit

Rated output voltage	700mV (When Grand Master Cartridge is connected)
Input terminal	RCA Terminals
Output Terminal	RCA Terminals×3 ,XLR output ×3
Size	452W×152H×486D (mm)
Impedance	120 Ω(RCA) 120Ω(XLR)
Weight	25.1kg

Grand Master EQ Power unit

Size	452W×152H×486D (mm)
Weight	29.8kg

Warranty

WARRANTY

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call your Cartridge dealer regarding this product.

Model No. Grand Master

Serial No. _____

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture.

IMPORTANT SAFETY INSTRUCTIONS

-SAVE THESE INSTRUCTIONS

-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

LIMITED WARRANTY

DS Audio warrants this product against defects in material or workmanship for the time periods as stated below. Pursuant to this Limited Warranty, DS Audio will, at its option, (1) repair the product using new or refurbished parts or (2) replace the product with a new or refurbished product.

For the purposes of this warranty, "refurbished" means a product or part has been returned to its original specifications. In the event of a defect, these are your exclusive remedies.

For a period of one (1) year from the original date of purchase of the product, DS Audio, at its option, repair or replace with new or refurbished product, product determined to be defective.

This limited warranty covers only the hardware components packaged with the product. It does not cover technical assistance for hardware.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the DS Audio authorized service facility specified.

Any parts or product replaced under this limited warranty will become the property of DS Audio.

This limited warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reasons, including but not limited to product issues due to commercial use, acts of God misuse, limitation of technology, or modification of any part of product.

This limited warranty is invalid if the factory-applied serial number has been altered or removed from the product.

This limited warranty is valid with the official receipt of our authorized dealer which indicating the date of your purchase.