



Loving music

Double Smart Matrix

Double sided record ® cleaning machine

User Manual



Made in Germany



Hi-Fi Components **clearaudio electronic** GmbH

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Double Smart Matrix

User manual

Directory

Preface and Important information

1. Contents	4
2. Set up and operation	5 – 6
3. Maintenance	7-8
4. Accessories	8
5. Warranty – information	9 - 10
6. Technical data	11

Dear **clearaudio**-customer,

Congratulations !

Thank you for choosing the *Double Smart Matrix* record cleaning machine, a high quality product made in Germany by clearaudio. The Double Smart Matrix is a unique record cleaning machine, cleaning the record in the most effective way: **both sides at once!**

To achieve the best possible cleaning results with your *Double Smart Matrix* record cleaning machine, please read the instruction and user manual carefully.

We wish you a lot of pleasure and success with your new clearaudio *Double Smart Matrix* record cleaning machine.

clearaudio electronic GmbH

IMPORTANT

Read first before you connect your Double Smart Matrix to any power outlet:

The Double Smart Matrix is available in a version for 230V as well as for 110V. Please make sure that you use the right voltage and connection with the machine. On the back panel of the machine you will find the correct voltage to be used with you *Double Smart Matrix*.



Picture 1: Important warning notice

Use your Double Smart Matrix only with the voltage indicated on the back panel of the machine !

If you dont use the Double Smart Matrix for more than one week, please empty the fluid storage tank completely.

After that we recommend to fill in 100 ml distilled water and afterwards to pump down it.

This guarantees a smooth start-up.

1. Content

The clearaudio *Double Smart Matrix* record cleaning machine is packed in a specially made and approved package including the packing material. We highly recommend you to keep the original packing material in case of any transportation or shipping.

After opening the cardboard, please take out the additional accessories.

Take out the machine with both hands and place it onto a stable and waterproofed surface.

IMPORTANT: Never lift the *Double Smart Matrix* at the platter !

The included warranty and registration card should be filled out and sent back to clearaudio within 4 weeks after purchase of the Double Smart Matrix. This will ensure you the full warranty for extended period of three years.

Please check the content delivered with the machine.



Picture 2: Open package

- 1) Completely installed record washing machine
- 2) Seal – record clamp
- 3) Electrical connecting cable
- 4) Replacement - micro fiber stripes (4 pieces)
- 5) Single Adapter
- 6) Pure Groove Record cleaning fluid 250 ml
- 7) Tube stopper
(attached at the tube)
- 8) Warranty and registration card

In the case of an incomplete supply, please contact immediately the specialised clearaudio dealer, where you purchased the product.

2. Set up and operation

Place the *Double Smart Matrix* on to a clean, dry and stable surface.

The actual surface should be waterproof. Please make sure that the machine is placed safe and secure.

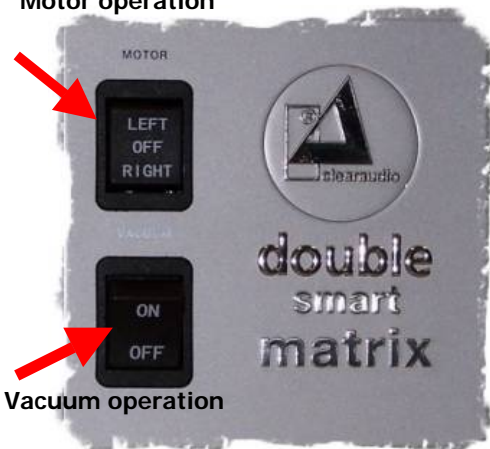
Connect with electricity mains

Important :

Please connect now the settled connecting cable first with the cold equipment socket on the back of your *Double Smart Matrix* and afterwards with the 230V (or for USA 115 V) plug socket.

Now the *Double Smart Matrix* is ready for use and you could begin with the cleaning of the first record!

Motor operation



The operation of the *Double Smart Matrix* is very easy and efficient : There are only two switches built into the front panel. The upper switch operates the left and right movement . The lower one is operating the vacuum "off / on" function. The upper switch is indicated with letters in the front panel : „MOTOR“ and „VACUUM“ is for vacuum operation.

Picture 3: Frontpanel Double Smart Matrix

Clearaudio advice not to take your most valuable record for the first record cleaning trial.

Only after sufficient learning each individual procedure and the entire handling you attain security of avoiding operating errors.

Work procedure:

1. Please place the record on the central spindle part.
2. Tighten clockwise the Seal record clamp.
3. Swift the upper cleaning unit to the record center; with light pressure the attraction force of the magnets starts and the lower cleaning unit will be magnetically moved upward to touch the record surface.
4. The *Double Smart Matrix* machine is cleaning both record sides at once using manual fluid application.
By raising of the plastic bottle over the *Double Smart Matrix*, whereby the bottle must show downward, the cleaning fluid is led into the tube system.

5. You can see filling both transparent inlet tubes with cleaning fluid. With moderate pressure on the plastic bottle the surface wetting of both record sides takes place.

Before you start the record rotation, the micro fibre stripes should strongly soaked and something record cleaning fluid should be on the record surface.

6. Now you already start the rotation of the record over the switch "MOTOR". Now it is important, that both sides of the record are smooth covered with the fluid – if not, you can reach it by further easy pressing of the plastic bottle.
7. A normal wash procedure needs over 3 - 5 revolutions to each right and left direction.
8. The most important step, the actual cleaning happens during vacuum procedure. Before the vacuum is switched in "on" position the bottle with the liquid must be put back to the platform again (see picture 3). Otherwise the developing negative pressure would suck the liquid again from the bottle.



Picture 4: Liquid must be put back to the platform

9. If the record on both sides is completely dry, switch than the vacuum switch on position "off" - without interruption of the rotating motion. Swift the upper cleaning unit off the plate, and put the cleaning arm outward into the resting position. Thus the magnetic attraction is separated, so that also the lower and upper cleaning unit releases the record.
10. At the end of the cleaning procedure the anti-static brusharm treatment should be always swifted to the position contacting both record surfaces to that the electrostatic loading of the LP is taken away.



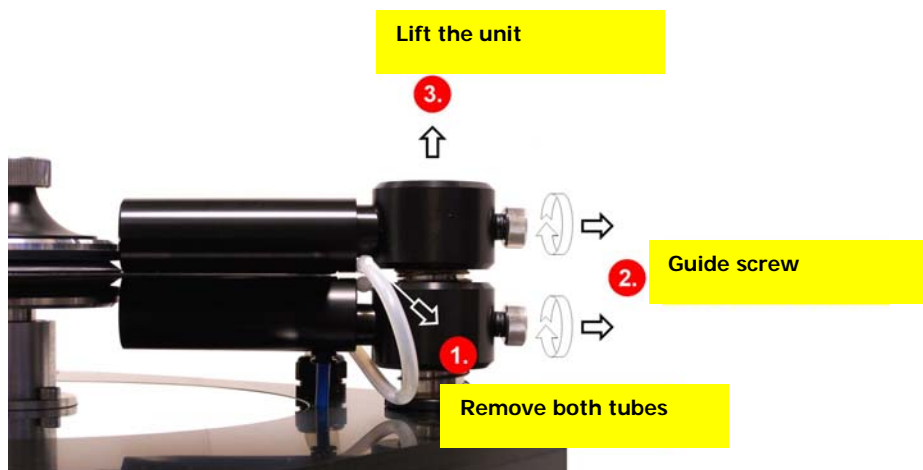
Picture 5: Throwing the brusharms

11. Swift the anti-static brusharm unit from the outside over the rotating to the center and after 2-3 full revolutions swift the arm again outward back into the stand by position. In order to swift the anti-static brusharm, press the brush first easily downward. In the outside positions (disk center & stand by position) this engages then easily.

12. The fluid storage tank must be emptied, after approx. 50 records were washed.
Please see page 7/8.
13. Place a sufficient large container on the floor, pull the tube on the back approx. 30 cm.
Removes now the tube stopper and emptying the fluid.

3. Maintenance

3.1 Demounting and mounting of the cleaning units



Picture 6: Cleaning unit I

Demounting:

To exchange the microfabric and for cleaning the fluid storage tank you have to remove the cleaning unit.

1. First remove both tubes from the cleaning unit (Picture 6/ No.1)
2. Unscrew the two bolts (Picture 6/ No. 2)
3. Now you can lift off the cleaning units (Picture 6/ No. 3)

Mounting:

For the mounting of the cleaning units please follow the procedure in reversed order.

3.2 Emptying and cleaning of the fluid storage tank

How to empty the fluid storage tank

Please place a bin on the ground and pull the tube on the back panel of the Double Smart Matrix approx. 30 cm. After removing the stopper from the tube the used fluid can flow out into the bin.

Important

**Don't forget to seal the tube with the stopper again after emptying the fluid storage tank!
See picture 6. Never use fluid that have been used before again!**

Cleaning the fluid storage tank

To guarantee a smooth use, we recommend to clean the fluid storage tank after approx. 50 records have been washed.

Therefore After removing the upper cleaning unit you can fill in a cleaning fluid over the high-grade steel. We recommend a mixture of acetic-cleaner and water (2 spoons of acetic-cleaner of 0,5 liter warm water).

Important:

**If you cleaning the fluid storage tank, never switch the motor on !
Please stop the current entry!**



Picture 7 Tube stopper on the backpanel

After 20 min. residence time you can empty the cleaning liquid. Please repeat this procedure until no dirty fluid is left in the Double Smart Matrix. Afterwards install the upper cleaning unit again. (See picture 6 / page 7)

Important:

Before transport of the *Double Smart Matrix* empty the fluid storage tank!

Please pay attention that the tube stopper is always in the tube if the *Double Smart Matrix* is in user!

4. Accessories

You can purchase the provided accessories for the *Double Smart Matrix* either by your distributor or in clearaudio shop: www.analogshop.de

Micro fibre stripes (Art. No. AC062/dm):

The provided micro fabric stripes are able to even get dust and dirt out of the lower parts of the record grooves. The exchange stripes provided from clearaudio are already cut to the correct length.

Depending on the usage, especially if a lot of very dirty records are cleaned, you should change the stripes every 200 record sides. Please keep in mind that after changing the micro fabric stripes, the machine should not be used for 24 hours.

The full contact of the glue will appear after 24 hours. If used too soon, the stripes will not hold properly to the arm tube and damage may occur to your records.

Record cleaning fluid „Pure Groove“ (Art. No. AC048):

In general, we recommend the „Pure Groove“ liquid (Art. No. AC048). This fluid works ideally for cleaning dust, dirt, residues or leftovers from the pressing procedure. It evaporates completely after using and does not leave any residue on the record.

Double Smart Matrix mirror (Art. No.: AC111):

Replacement - mirror for a free control view.

Dust Cover (Art. No. AC110):

Shapely acrylic-dustcover for the *Double Smart Matrix* to protect against dust and damage.

5. Warranty - information

The warranty time for the *Double Smart Matrix* is two (2) years.

You can achieve the extended warranty time of three (3) years, if you fill out the warranty card and send it in within 4 weeks after purchase, to the following address :

clearaudio electronic GmbH
Spardorfer Str. 150
91054 Erlangen
Germany

Please note, never use foaming or acid fluids!

Use always special clearaudio "Pure Groove" fluid. Otherwise no warranty will be avoid

The *Double Smart Matrix* should only be repaired by clearaudio or approved institutions or persons, otherwise the warranty will be void.

A frequent optical control of the mains cables is requested, for your own safety. If any damage should occur, the repair or exchange should be done immediately through an approved electrician or institution !

A service of clearaudio products should be done only by certified clearaudio dealers.

If damage of the machine for any reason should occur, and a repair of the machine is necessary, than it should be sent to the selected dealer, distributor or directly to :

clearaudio electronic GmbH
Spardorfer Str 150
91054 Erlangen
Germany

Tel/Phone: +49-(0)1805/059595 (EUR 0,14 / Minute)
www.clearaudio.de
info@clearaudio.de

The repair will be free of charge, during the warranty period.

If you transport or ship the *Double Smart Matrix*, the use of original packaging is required!
Please pack the machine like it has been packed originally from clearaudio. Only in the original packaging a secure transport is possible.

Legal disclaimer :

Clearaudio refuse to cover any claims or damage to records or any other damage, that have been caused by misuse or mishandling of the *Double Smart Matrix* !



Double Smart Matrix

User manual

ENGLISH

WARRANTY

For warranty information, contact your local clearaudio distributor.

RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase.

It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with clearaudio.

IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE

Pour des informations sur la garantie, contacter le distributeur local clearaudio.

CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sûr pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec clearaudio.

IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH

GARANTIE

Bei Garantiefragen wenden Sie sich bitte zunächst an Ihren clearaudio-Händler.

Heben Sie Ihren Kaufbeleg gut auf.

WICHTIG!

Die Angaben auf Ihrer Quittung erlauben uns die Identifizierung Ihres Gerätes und belegen mit dem Kaufdatum die Dauer Ihrer Garantie-Ansprüche.

Für Serviceleistungen benötigen wir stets die Gerätenummer.

Diese finden Sie auf dem Typenschild auf der Rückseite des Gerätes, oder auch in der beigelegten Garantie-Registrierkarte.

NEDERLANDS

GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke clearaudio.

UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt. verwijzing bijv. in verbend met verzekering of bij correspondentie met clearaudio.

BELANGRIJK

Bij een evt. beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuur zijn voldoende bewijs.

ITALIANO

GARANZIA

L'apparecchio è coperto da una garanzia di buon funzionamento della durata di un anno, o del periodo previsto dalla legge, a partire dalla data di acquisto comprovata da un documento attestante il nominativo del Rivenditore e la data di vendita. La garanzia sarà prestata con la sostituzione o la riparazione gratuita delle parti difettose.

Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di funzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.

Gli apparecchi verranno riparati presso i nostri Centri di Assistenza Autorizzati. Le spese ed i rischi di trasporto sono a carico del cliente. La casa costruttrice declina ogni responsabilità per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale o per guasti dovuti ad uso continuato a fini professionali.

ESPAÑOL

GARANTIA

Para obtener información acerca de la garantía póngase en contacto con su distribuidor clearaudio.

GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor. Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con clearaudio.

IMPORTANTE

Cuando solicite el servicio otorgado por la garantía el usuario tiene la responsabilidad de demostrar cuándo efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

6. Technical Data

Construction principle:	The <i>Double Smart Matrix</i> is a clearaudio patented double side record cleaning machine providing left and right turning of the platter with manual fluid application.
Weight :	approx. 12 kg , including Motor
Dimensions (width, length, height in inch):	approx. 18,5 x 14,57 x 13,58
Dimensions (width, length, height in mm):	approx. 470 x 370 x 345
Warranty :	3* Years (see Point 4)
Power consumption :	Platter-Motor : 20 Watt max. Vacuum engine : 500 Watt max.
Total power consumption:	approx. 500 Watt
Noise Level :	approx. 78 dB

* applies only if warranty card has been filled out and sent in (see Point 4)

NOTE :

This unit / machine is build to be used in heated or climatic controlled surroundings.
Never touch the power cord with wet hands or other wet body parts !
Never put or use any equipment with open flames, like candles on top of this equipment !

CE The **clearaudio** *Double Smart Matrix* is approved according to the regulations of the CE certification and other international standards and approvals.

Technical changes prior without any notice

Stand: November 2007