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**Investigation and detail on CDP-7  
Top loading cd-player with analog output stage!**

The story of this cd-player start from 1990 : our first top loading cd-player was the model CDP-1T and subsequently was the CDP-3T and now the CDP-7.

A decade generation of cd-player with single destination: excellence in music!

The CDP-1T was a single chassis cd-player with internal power supply, the CDP-3T and CDP-7 series introduce the separate chassis for power supply (big improvement).

The latest series of CDP-7 introduce many innovative solution , here some description:

- 1) Top loading door by slider facility (hi-thickness plexiglass 20 mm)
- 2) Updating power supply unit with two toroidal transformer
- 3) Damping cd-chassis by intensive use off brass
- 4) Cover with a pair off cherry wood brackets fixed on sides for increase rigidity

The original design still the same and respect basilar solution found during a decade off study and research about this super musicality machine.

Resume some important point:

- 1) passive current to voltage convertor ( PCM-63 current out direct coupled to grid of valve)
- 2) Passive output filter (just one used on signal path @ 6 db/oct)
- 3) Aerospace alluminium chassis
- 4) Separate power supply section 6 active on signal 8 for service as motors etc.
- 5) Alluminium parts and plexiglass parts increase performance the cd-mechanism

**Now to follow some images:**



Base unit cdp-7 with slider door open  
Ready to accept a compact disc



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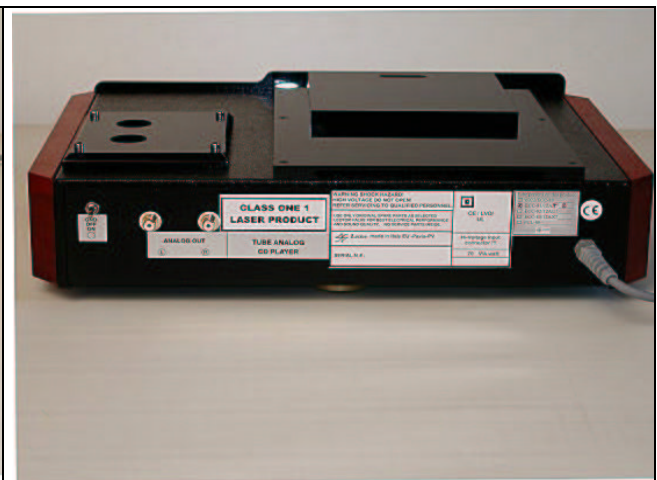


The cdp-7 with disc insertion and magnetic stabilizer in right position

After closed the door a sensor start the toc and read the disc



The CDP-7 with slider door closed ready to play  
.....  
if you push the play start a beatifull music out.....



Front view: three push buttons for play,next,previus.Rear view: analog output and switch for gnd

Gnd= ground in on position is connect between the chassis of cdp with psu chassis



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CDP-7 with dedicated power supply

Detail of power supply front panel three ac-mains switch

TWO MM THICKNESS  
ALUMINIUM  
CHASSIS  
SPECIAL PAINTING  
FINISHED  
AND INTERNAL  
REINFORCEMENT  
BY PART OF BRASS

OPTIONAL BALANCED OUTPUT  
CARD WITH TRANSFORMER

CDM MODIFIED BY LECTOR BASED ON  
CDM-12 THE UNIT IS FIXED ON TWO BASE  
OFF ALUMINIUM AND PLEXIGLASS  
THE ISOLATOR COLUMN ARE IN NEOPRENE  
AND BRASS FINISHED WITH RUBBER.

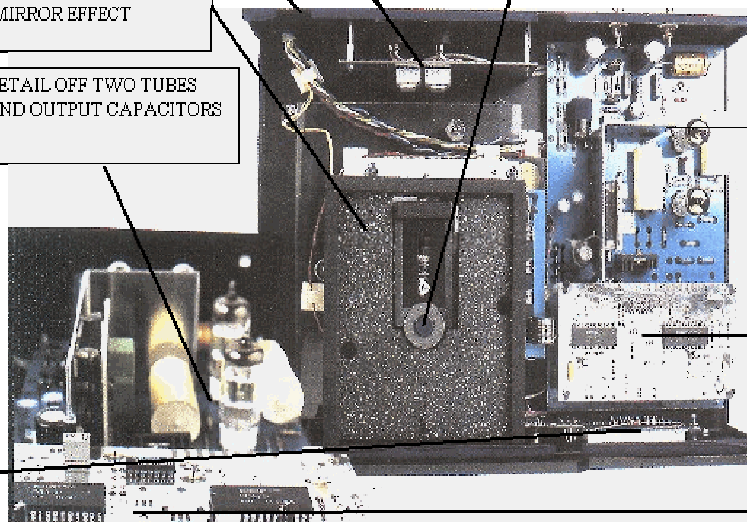
SPECIAL FINISHED PAINT  
WITH NO MIRROR EFFECT

DETAIL OFF TWO TUBES  
AND OUTPUT CAPACITORS

OUTPUT AND POWER  
SUPPLY BOARD  
TWO TUBES ECC-81/12AT7  
AND TWO POLYPROPYLENE  
FILM CAPACITOR  
6 SIX INDEPENDENT POWER  
SUPPLY

DAC BOARD WITH TWO  
PCM-63 BURR BROWN  
SELECTED  
WITH INDEPENDENT  
POWER SUPPLY  
IS POSSIBLE TO REMOVE  
THE CARD FOR FUTURE  
UPGRADING

DISPLAY BOARD WITH  
LED BACKLIGHT  
LCD DISPLAY NO NOISE  
LOW ENERGY  
CONSUMPTION



Is really simple to replace the valve....  
Just remove the four allen screw and the little  
transparent plexiglass cover .

The transparent fumè cover give access to  
check the valve quality and regular working  
performance.





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A full function remote control handset supplied

The push buttons on frontal panel give the basic function as:

- play / - next / - previous

the magnetic auto-positioning disc-stabilizer for real genuine operation as top loading cd-player

note:  
"other" cdplayer have stabilizer fixed on door cover ! So they cannot define as genuine top loading cd-player!



The rear panel of power supply unit

A professional connector show  
With gold plated pin contact

A IEC standar AC-mains for using your favourite mains cable



Sides image show the hi-quality of cherry wood brackets

.....we hope to satisfy your curiosity.....if no ,please send your question to us.



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Resume the electrical data of our digital products:

MODEL	TYPE	DAC TYPE RESOLUT.	OUTPUT IMPEDANCE (ohm)	DISTORS. % THD S/N RATIO	DIGITAL IN / OUT	FREQUENCY RESPONSE	ANALOG OUTPUTS	TYPE OF POWER SUPPLY	SPEC ' S DATA
<b>CDP - 0.5 / T</b>	TUBE ANALOG CD-PLAYER FRONT LOADING	24 BIT DSP O-S	150 OHM 2.3 VOLT	0.1% 90 db	OPTIONAL OUT: -SPDF -AES/EBU -OPTO TOSLINK ST-II	20 - 20 KHz	PAIR RCA OPTIONAL: BALANCED XLR	INTERNAL	400 (L) x 85 (H) x 300 (D) KG 6 NET 50-60 HZ 50 VA 110/230 V-AC
<b>CDP - 7 / T - t. l. with PSU 3 T</b>	TUBE ANALOG CD-PLAYER TOP LOADING	DUAL MONO 20 BIT HI- RESOLUTION	150 OHM 2.3 VOLT	0.1% 90 db	OPTIONAL OUT: -SPDF -AES/EBU -OPTO TOSLINK ST-II	20-20 KHz	PAIR RCA OPTIONAL: BALANCED XLR "A"	EXTERNAL BY PSU-3T	400 (L) x 100 (H) x 300 (D) KG 10 NET PSU 3T: 225x85x300 110/230 VAC 50/60HZ 70VA
<b>DIGIDRIVE T.L. with PSU - DTL</b>	TOP-LOADING REFERENCE CD- TRANSPORT	NONE ONLY DIG-OUT	SPDF: 75 OHM AES-EBU: 110 OHM	NOT APPLICABLE	OPTIONAL OUT: -OPTO TOSLINK -OPTO ST-II	NOT APPLICABLE	NOT AVAILABLE	EXTERNAL BY PSU-DTL	400 (L) x 100 (H) x 300 (D) KG 10 NET PSU-DTL: 225x85x300 110/230 VAC 50/60HZ 70VA
<b>DIGICODE 2.18 with PSU - 218</b>	TUBE ANALOG DIGITAL to ANALOG CONVERTER	DUAL MONO 20 BIT HI- RESOLUTION	150 OHM 2.4 VOLT	0.1% 93 db	IN:SPDF/AES-EBU OPTIONAL IN: -OPTO TOSLINK -OPTO ST-II	20-20 KHz	PAIR RCA OPTIONAL: BALANCED XLR "A"	EXTERNAL BY PSU-218	400 (L) x 108 (H) x 300 (D) KG 12 NET PSU-218: 225x85x300 110/230 VAC 50/60HZ 80VA
<b>SMC - 100 DVD PLAYER</b>	HI-RESOLUTION DVD PLAYER WITH AC-3 BUILT IN	24 BIT x 3 AUDIO 10 BIT VIDEO	8 ANALOG OUT @100 OHM	< 0.05% > 90 db	OUT : SPDF OPTIONAL: -AES-EBU -TOSLINK -OPTO ST-II	20-20 KHz	8 RCA OPTIONAL: BALANCED XLR	INTERNAL SWITCHING	430 (L) x 100 (H) x 300 (D) KG. 7 NET 50/60 HZ 50 VA 110/230 V-AC
<b>ALL UNITS MEET CE- EMC-LVD REGULATION</b>									