



Lector strumenti audio
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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-tickness 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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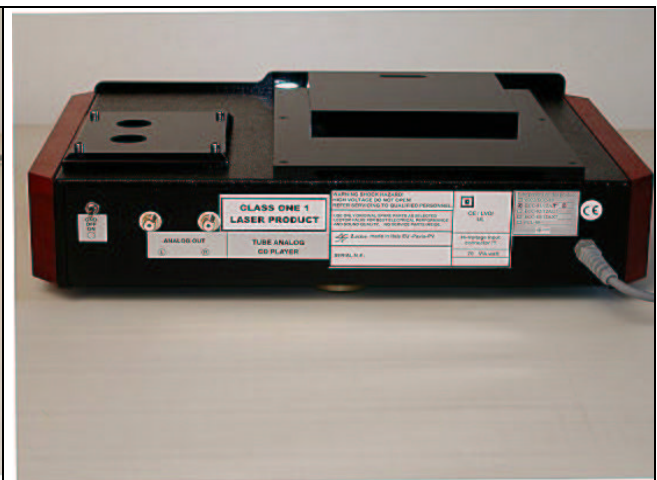


The cdp-7 with disc insertion and magnetic stabilizer in right position

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

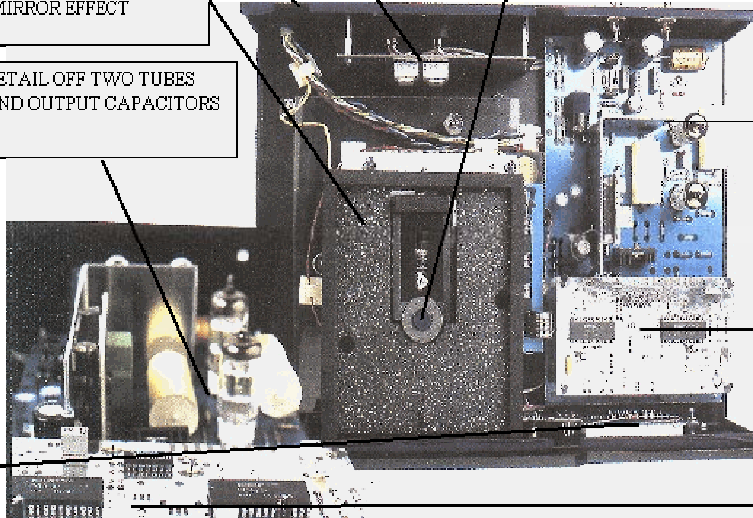
TWO MM TICKNESS
 ALLUMINIUM
 CHASSIS
 SPECIAL PAINTING
 FINISHED
 AND INTERNALLY
 REINFORCEMENT
 BY PART OF BRASS

OPTIONAL BALANCED OUTPUT
 CARD WITH TRANSFORMER

CDM MODIFIED BY LECTOR BASED ON
 CDM-12 THE UNIT IS FIXED ON TWO BASE
 OFF ALLUMINIUM 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 POLIPROPILENE
 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 |
|---|---|--------------------------------|------------------------------|--------------------------|--|--------------------|------------------------------------|----------------------|---|
| CDP - 0.5 / T | 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 |
| CDP - 7 / T - t.l. with PSU 3 T | 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 |
| DIGIDRIVE T.L. with PSU - DTL | 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 |
| DIGICODE 2.18 with PSU - 218 | 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 |
| SMC - 100 DVD PLAYER | 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 |
| ALL UNITS MEET CE-EMC-LVD REGULATION | | | | | | | | | |