

CD F1

DEAR CUSTOMER,

FIRST OF ALL LET ME THANK YOU FOR YOUR INTEREST IN THE CDF1 CD-PLAYER. WHEN BUYING THIS MACHINE YOU HAVE OWNED A VERY UNIQUE CD-PLAYER. LET ME INTRODUCE TO YOU THE DIFFERENT ASPECTS OF THE UNIT MAKING IT A TOTAL NEW CONCEPT IN DIGITAL MUSIC REPRODUCTION.

CDF1 CD-PLAYER
-TECHNICAL OUTLINES-

THE CDF1 IS THE FIRST MANUAL TOP LOADING PLAYER IN THE WORLD. THIS UNIT FEATURES MANY SPECIFIC POINTS OF TECHNOLOGY MAKING THAT MACHINE TOTALLY UNIQUE IN THE AUDIO FIELD.

FIRST OF ALL THE MECHANICAL PART OF THE PLAYER HAS BEEN REGARDED WITH A GREAT DEAL OF ATTENTION AND THE RESULT IS A VERY SOFT AND FREE AIR ISOLATED SUSPENSION WITH A LOW RESONANCE FREQUENCY ALLOWING TO BE ABLE TO SHAKE THE PLAYER DURING OPERATION WITHOUT GOING INTO THE ERROR MODE LIKE MOST OF OTHER PLAYERS. THE MAIN REASON FOR SUCH A SOFISTICATED TYPE OF SUSPENSION IS TO TRY TO MINIMISE THE ACTION OF THE ERROR CORRECTION SYSTEM (ERCO) USED TO CORRECT FOR INFORMATION LOSSES IN DIGITAL SYSTEMS.

ON THE ELECTRONIC SIDE THE CDF1 IS THE FIRST CD-PLAYER TO HAVE BEEN DESIGNED LIKE ALL OTHER VERY HIGH END EXCLUSIVE PIECES OF EQUIPEMENT. FIRST OF ALL THE CDF1 HAS THREE SEPARATE POWER SUPPLIES WITH THREE SEPARATE TOROIDAL TRANSFORMERS: ONE FOR THE DIGITAL SECTION OF THE UNIT AND TWO FOR THE ANALOG AUDIO SECTION, ONE FOR THE LEFT CHANNEL AND THE OTHER FOR THE RIGHT CHANNEL.

THE AUDIO SECTION AFTER EACH POWER TRANSFORMER IS BUILT AS FOLLOWING FOR EACH CHANNEL:

TWO DISCRETE BRIDGE RECTIFIERS (ONE FOR EACH POLARITY), FILTER CAPACITORS, VERY LOW RIPPLE ELECTRONIC REGULATORS AND MORE FILTER CAPACITORS TO GET A CLEAN LOW IMPEDANCE POWER SOURCE.

THE AUDIO ELECTRONIC CIRCUITRY FROM THE OUTPUT OF THE DIGITAL CONVERTER TO THE OUTPUT CONNECTORS IS ABSOLUTE TOP QUALITY. THE CIRCUIT BEGINS WITH A HIGH PRECISION CURRENT TO VOLTAGE CONVERTER ASSOCIATED WITH A HIGH QUALITY DISCRETE CURRENT SOURCE USED TO CANCEL THE DCO CREATED BY THE DC IDDL CURRENT OF THE DAC (DIGITAL TO ANALOG CONVERTER). THIS FIRST AUDIO SECTION IS USED ALSO AS THE FIRST POLE OF A THREE POLE BESSEL TYPE FILTER AND DEEMPHASIS CIRCUIT.

THE OUTPUT STAGE CONNECTED DIRECTLY TO THE OUTPUT CONNECTORS IS A FINE PURE CLASS A BUFFER WITH A VERY LOW OUTPUT IMPEDANCE (<10 OHMS) GIVING THE ABILITY TO THE UNIT TO DRIVE ANY TYPE OF LOAD WITHOUT DISTORSION. ALL THE DEVICES OF THE AUDIO SECTION ARE KEPT TO AN EQUAL TEMPERATURE BY A HEATSINK, REMOVING ANY KIND OF THERMAL DISTORSION.

THE DIGITAL CIRCUITRY FEATURES DUAL 16 BITS DAC WITH 4X OVERSAMPLING AND EXTREMELY PRECISE ERROR CORRECTION SYSTEM.

DANIEL SCHAR, DESIGNER



CDF1 CD-PLAYER

OWNER'S MANUAL

- 1/CHECK FOR THE PACKAGING.THE CARTON SHOULD BE IN PERFECT CONDITION. IF YOU HAVE ANY DOUBT PLEASE CALL YOUR DEALER AND ASK HIM FOR ADVISE.
- 2/REMOVE THE UNIT FROM THE CARTON AND KEEP ALL PACKING MATERIAL FOR ANY FURTHER USE.THE WARRANTY DO NOT APPLY IF THE UNIT IS NOT PACKED IN ITS ORIGINAL PACKING.
- 3/REMOVE THE THREE SCREWS HOLDING THE SUSPENSION LOCATED UNDER THE UNIT AND IDENTIFIED BY RED PLASTIC WASHERS.KEEP THESE SCREWS CAUTIOUSLY AND USE THEM ANY TIME YOU CARRY THE UNIT.
- 4/PLUG THE UNIT USING THE AC LINE CORD PROVIDED IN THE ACCESSORIES BOX. YOU SHOULD FIND ALSO THE THE REMOTE CONTROL TRANSMITTER AS WELL AS THE STABILISING WEIGHT.
- 5/SWITCH ON THE CDF1 BY PRESSING THE SWITCH LOCATED ON THE LEFT PART OF THE KEYBOARD.THE UNIT LIGHTS UP AND TWO SMALL DASHES - - APPEAR ON THE LED DISPLAY.
- 6/TAKE THE PLEXIGLAS COVER UP AND PUT A RECORD ON THE SPINDLE OF THE MOTOR. PUT THE STABILISING WEIGHT OVER THE RECORD AND BRING THE COVER DOWN WITH CARE.THE RECORD STARTS TURNING FOR A FEW SECONDS THEN STOPS.AT THIS TIME THE LED DISPLAY INDICATES THE NUMBER OF TRACKS OF YOUR RECORD.
- 7/PLEASE LOOK AT THE -KEYBOARD FUNCTIONS- SECTION OF THIS MANUAL TO GET USE OF THE DIFFERENT POSSIBILITIES OF YOUR PLAYER.

CDF1 CD-PLAYER

-ADDITIONAL INFORMATIONS-

1/FIRST MAINS PLUG IN

AS EVERY HIGH END PRODUCT THE CDF1 CD-PLAYER NEED WHEN YOU PLUG IT IN FOR THE FIRST TIME A WARM UP PERIOD OF AT LEAST 12 HOURS BEFORE YOU TAKE ADVANTAGE OF THE TRANSPARENCY OF THE AUDIO CIRCUITRY. AFTER THAT THE ANALOG PART OF THE PLAYER WILL STAY ON ALL THE TIME PROVIDED THAT THE LINE CORD IS PLUGGED IN THE OUTLET EVEN IF THE UNIT IS SWITCHED OFF. HOWEVER THERE NO PROBLEM IF YOU LEAVE THE CFF1 CD-PLAYER ON ALL THE TIME.

2/PLAYER MAINTENANCE

YOU CAN CLEAN THE CDF1 CD-PLAYER WITH A SOFT AND LINT-FREE CLOTH, OR USING A CHAMOIS LEATHER SLIGHTLY MOISTENED WITH WATER. DO NOT USE CLEANING AGENTS CONTAINING ANY TYPE OF SOLVENT YOU COULD THE UNIT.

IF YOU NOTICE DUST ON THE LASER LENS LOCATED AT THE END OF THE ARM TAKE THE DUST AWAY BY GENTLY WIPING IT WITH A DRY Q-TIP.

TO AVOID DUST ACCUMULATION ON THE SURFACE OF THE PLAYER TRY TO KEEP THE COVER DOWN WHEN YOU DO NOT USE THE PLAYER.

3/DISC MAINTENANCE

DESPITE THE FACT THAT THE COMPACT DISC IS SAID TO BE UNDESTROYABLE YOU SHOULD TAKE A GREAT CARE OF YOUR DISCS.

-ALWAYS PICK UP THE DISC BY THE EDGES.

-TRY NOT TO MAKE FINGERPRINTS ON THE SURFACE READ BY THE LASER. ALTHOUGH IT IS TRUE THAT A GOOD PLAYER READS DIRTY DISCS OR EVEN SCRATCHED THIS IS ONLY POSSIBLE BECAUSE OF THE POWER OF THE ERCO (ERROR CORRECTION SYSTEM) WICH REPLACES BY INTERPOLATION THE LOST PIECES OF INFORMATION. EVERY FINGERPRINT, EVERY DIRTY SPOT WILL BRING THE ERCO TO CORRECT RESULTING IN A SLIGHT DEGRADATION OF THE SONIC QUALITY. THIS IS ESPECIALLY SENSITIVE WITH VERY HIGH QUALITY EQUIPEMENT SUCH AS THE CDF1 CD-PLAYER ASSOCIATED WITH HIGH END PRODUCTS.

-NEVER USE ANY CLEANING AGENT CONTAINING SOLVENT TO CLEAN A DISC. IRREPARABLE DAMAGE WOULD OCCUR TO THE MUSIC TRACKS.

-TECHNICAL DATA -

FREQUENCY RANGE:	20HZ-20KHZ	0,02DB	SAMPLING	: 44.1 KHZ
DYNAMIC RANGE	: 96 dB		QUANTIZATION	: 16 BITS
S/N RATIO	: 100 dB		ERCO	: CIRC
CROSSTALK	: 100 dB		OUTPUT LEVEL	: 2V RMS
DISTORSION THD	: 0,0025%		IMPEDANCE	: < 10 OHMS
WOW AND FLUTTER:	QUARTZ PRECISION		MAINS VOLTAGE	: SEE PLATE
CONVERSION	: 4 X 16 BITS		CONSUMPTION	: 30 WATTS

CDF1 CD-PLAYER
-KEYBOARD FUNCTIONS-



KEY USED TO MODIFY THE STATE OF THE LED DISPLAY.
THE DISPLAY INDICATES EITHER TIME OR TRACK-INDEX



KEY USED TO PROGRAM THE SELECTION OF THE TRACKS.
PLEASE REFER TO THE PROGRAMMING SECTION OF THIS MANUAL



KEY USED TO GO DIRECTLY TO THE PREVIOUS CUT.WHEN USED
WITH THE TRACK/TIME KEY IT ALLOWS THE INDEX SELECTION.



KEY USED FOR FAST REVERSE SEARCH.THIS FUNCTION HAS
THREE INCREASING SPEEDS WHEN THE FUNCTION IS KEPT ON.



KEY USED FOR THE PAUSE FUNCTION .THE SELECTION WILL
START BACK AT THE EXACT PLACE WHERE IT WAS LEFT.



KEY USED FOR FAST FORWARD SEARCH.THIS FUNCTION HAS
THREE SPEEDS JUST LIKE THE FAST REVERSE KEY.



KEY USED TO GO DIRECTLY TO THE NEXT CUT.WHEN USED
WITH THE TRACK/TIME KEY IT ALLOWS INDEX SELECTION.



STOP KEY.THIS KEY STOPS THE PLAYER AND CANCELS ALL
THE INFORMATIONS OF THE PROGRAMMING.



PLAY KEY IS USED TO START A RECORD,TO CANCEL THE
PAUSE FUNCTION,OR TO START AGAIN A TRACK.



KEY USED TO REPEAT THE ALL RECORD AFTER THE END.THIS
FUNCTION DO NOT ALLOW THE REPEAT OF A SPECIFIC TRACK.

CDF1 CD-PLAYER

-PROGRAMMING-

THE USE OF THE -PROGRAMMING- KEY TOGETHER WITH THE -PREVIOUS CUT- AND -NEXT CUT- KEYS ALLOWS THE USER TO CHANGE THE PLAYING ORDER OF THE VARIOUS CUTS OF A RECORD. THE UNIT ENABLES THE USER TO MEMORISE UP TO 20 DIFFERENT PIECES. HOWEVER THE SAME CUT CANNOT BE PRESENT TWO TIMES IN THE SELECTION.

1/SWITCH ON THE UNIT AND PUT A RECORD ON THE SPINDLE. PUT THE WEIGHT WITH THE STABILISING RING AND CLOSE THE COVER. WAIT FOR THE T.O.C (TABLE OF CONTENT) INFORMATIONS.

2/PRESS THE -NEXT CUT- KEY UNTIL YOU REACH THE FIRST CUT OF YOUR PROGRAM SELECTION. PRESS THE -PROGRAM- KEY. THE -P- LETTER APPEAR ON THE RIGHT PART OF THE LED DISPLAY.

3/PRESS THE -NEXT CUT - OR THE -PREVIOUS CUT- KEY UNTIL YOU FIND THE SECOND PROGRAM CUT. PRESS AGAIN ON THE -PROGRAM- KEY. THE -P- LETTER APPEAR AGAIN ON THE RIGHT PART OF THE DISPLAY INDICATING THAT THE SECOND CUT HAS BEEN MEMORISED.

4/REPEAT THE PROCEDURE AS MANY TIMES YOU NEED TO ACHIEVE YOUR PROGRAMMING. AT THE END OF IT YOU CAN REVIEW YOUR SELECTION BY PRESSING AGAIN ON THE -PROGRAM- KEY.

5/THE PROGRAM HAS A CAPACITY OF 20 DIFFERENT CUTS.

6/WHEN LISTENING TO A PROGRAM SELECTION THE -PREVIOUS CUT- AND -NEXT CUT- KEYS ACT ON THE PROGRAMMED CUTS AND NOT ON THE ORIGINAL SEQUENCE OF THE RECORD.

7/WARNING: THE -STOP- KEY CANCELS ALL THE INFORMATIONS PRESENT IN THE PROGRAM MEMORY.