

La Diva

CD Transport

Owner's Manual

Rev. 3.1

IMPORTANT SAFETY NOTICES



The triangle with the lightning flash symbol displayed on the unit advises the user of dangerous uninsulated voltage inside the product's enclosure.

To reduce the risk of electric shock, do not remove the cover.

The triangle with the exclamation point symbol on the component suggests that the owner refer to important operating and maintenance instructions in the owner's manual.

WARNING

Modifications and alterations not approved by the manufacturer may violate adherence to EC regulations and make the appliance no longer suitable for use. The manufacturer declines all responsibility for damage caused to persons or property due to the misuse or malfunction of device subject to unauthorized change.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION

In order to make changes that improve the already excellent quality of its products, Aqua - Acoustic Quality reserves the right to modify the information or the contents of this manual at any time and without notice.

WARRANTY STATEMENT

Aqua Acoustic Quality (Aqua) equipment is supported, and serviced through the worldwide network of distributors and dealers listed within a section of the website.

The authorized retailer provides the end customer with the dealer's warranty, the terms of which vary according to the country's rules, within European Union generally two (2) or more years.

Warranty service should normally be obtained from the importing distributor or retailer from whom you purchased the product. The authorized importing distributor or retailer accepts the responsibility for the warranty of products sold by that distributor or dealer.

In the unlikely event of service required beyond the capability of the importing distributor or retailer, the customer can contact the manufacturer directly and Aqua will provide the manufacturer's warranty. The manufacturer's warranty for a term of one (1) year from the date the unit was originally shipped from aqua, in order to protect our customers from illegitimate resellers.

This manufacturer's warranty is subject to the following terms and conditions:

- in case of a defect covered by this warranty, Aqua will provide without charge the materials and labor necessary to restore the product to its original specifications. In the alternative Aqua may at its sole option either replace the product with a new one of the same or equivalent model in the Aqua production, or refund the purchase price of the product.

The warranty does not apply:

- if the product has not been purchased from an authorized Aqua Dealer
- to damage caused by accident, abuse, misuse or misapplication
- if the product presents changes, modifications or repairs not expressly approved by the manufacturer
- if the Serial Number of the product is absent or altered
- if the product is shipped to Aqua without an adequate package

If vacuum tubes are contained in the product, they are warranted for 90 days from the date of purchase of the original purchaser.

NOS (New Old Stock) components are excluded from the warranty.

The warranty is provided to the original purchaser only, that must provide the original sales receipt containing product name and purchase date. If during the warranty period the product ownership is transferred, the warranty will terminate at the date of the ownership transfer.

The warranty does not cover shipping charges or tax/duty: shipments of the product to Aqua for repair, and shipments to the owner of the serviced product are at the owner's expense

Aqua reserves the right to apply a service charge if the product returned for warranty repair is found to be operating correctly.

Recommended procedure to obtain the repair service (during warranty period and outside)

Contact Aqua, preferably via e-mail at support@aquahifi.com, and briefly describe the problem. In case it is necessary to send the product for repair, Aqua will provide you an RMA number (Return Merchandise Authorization) to return your unit.

This number is required to obtain the repair service: any unit received without an RMA number will be returned to the sender.

The RMA number can be issued only by Aqua staff, you will receive it via e-mail or other means indicated by you.

Please write the RMA number clearly visible on the outside of the package.

THIRD PARTY CONTENT AND TECHNOLOGIES

In its operation, the device uses or may use some services or technologies provided by third parties (e.g. streaming services, software applications/libraries and similar).

These services, software applications or products are outside the control of aqua.

Consequently, these services or products are not covered by the warranty. aqua disclaims any liability relating to them, in particular those related to service interruptions or malfunctions of the services/products provided by third parties.

GENERAL SAFETY INFORMATION

The following general safety precautions must be observed during all phases of operation of this equipment. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture, and intended use of the equipment. Aqua - Acoustic Quality assumes no liability for the customer's failure to comply with these requirements.

- DO NOT operate the product in an explosive atmosphere or in the presence of flammable gases or fumes. For continued protection against fire, replace the line fuse(s)

only with fuse(s) of the same voltage and current rating and type. DO NOT use repaired fuses or short-circuited fuse holders.

- Keep away from live circuits. Operating personnel must not remove equipment covers or shields. Procedures involving the removal of covers or shields are for use by service-trained personnel only. Under certain conditions, dangerous voltages may exist even with the equipment switched off. To avoid dangerous electric shock, DO NOT perform procedures involving cover or shield removal unless you are qualified to do so.

- DO NOT operate damaged equipment. If the built-in safety protection features have been impaired through physical damage, excessive moisture, or any other reason, REMOVE POWER and do not use product until safe operation is verified by service-trained personnel. If necessary, return the product to Aqua - Acoustic Quality for service and repair to ensure that the safety features are maintained.

- DO NOT service or adjust alone. Do not attempt any internal service or adjustment unless a person capable of rendering first aid and resuscitation is present.

- DO NOT substitute parts or modify equipment. To avoid the occurrence of additional hazards, do not install substitute parts or perform any unauthorized modification to the product. Return the product to Aqua - Acoustic Quality for service or repair to ensure that the safety features are maintained.

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1. Unpacking

To protect the top loading tray mechanism from damage in transit, it has been blocked by spongy material.

IMPORTANT : If the CD transport subsequently needs to be transported, these protections should be reinstalled.

PACKING MATERIAL

Please retain the original box for re-use in case your equipment ever needs to be transported. The packing material has been especially designed to protect your valuable equipment from mechanical shock in transit.

2. Operation and Features

Make sure the supplied voltage is the one required by the device. Please ensure the quality of the connecting cables, paying particular attention the coaxial / AES EBU digital cable. Often, numerous tests have revealed the importance of this cable for obtaining the best sound quality.

Key features

- High performance proprietary ISDC (Isolated Synchronous Discrete Circuit) digital decoding and clock manager
- Custom designed discrete circuit with high-speed photocouplers for Galvanic and magnetic isolation between CD drive unit and digital output
- Ultra massive chassis construction and newly developed high-rigidity sub chassis with Nextel for CD drive unit cancels internal and external acoustic and mechanical vibrations, enabling exceptionally accurate "Red Book" RF signal
- DC disc drive motor allows to read the data accurately and minimize Jitter
- Moplen clamp to avoid flywheel masses and vibrations
- Sophisticated signal processing technology assures excellent CD Red Book signal
- High-performance multi-stage voltage regulator (high-current stage for accurate servo DISC drive rotation, tracking and focus)
- Jitter free digital interface AQLink (I2S protocol), uncompromising digital connection to La Scala DAC, La Voce DAC
- etherCON RJ45 (AQLink) output connection to DAC, employs CAT6 cable can connect both RJ45 and professional etherCON RJ45
- Separate custom-built toroidal transformers for digital and servo motors/actuators
- MODULAR DESIGN with upgradeable multi board system
- Precision Philips CD-Pro2 transport customized
- High-quality parts selected for sound quality:
 - 105° long life capacitors
 - low noise Metal Foil ultra-precision resistors
 - metallized film pulse capacitor
 - ultra-fast diodes
 - halogen free cables
- Aluminium top loading tray machined from billet
- Non-magnetic low-resonance aluminium chassis with Nextel
- Field upgradeable firmware
- Fluorescent display (VFD) with user off-selectable illumination
- Designed and handmade in Italy

3. Specifications

Disc Compatibility	CD, CD-R
CD Formats	Red Book
Drive mechanism	PHILIPS CD-PRO2 Customized
Pick-Up Technology	TRIGINTA preamplifier & Laser supply
Optical	Single focault - 3 beam method
Disc Drive Motor	Precision DC Motor
Servo power supply	High-performance voltage regulator (high-current)
Digital decoder	Proprietary ISDC
Digital isolators	Custom designed discrete circuit with high-speed photocouplers
Digital Output	2 S/PDIF 75 Ω : - 1 coaxial BNC - 1 coaxial RCA 1 AES/EBU (XLR) 110 Ω 1 AQlink - I2S serial bus (etherCON RJ45) 1 AT&T (ST Fiber)
Word Clock Output	1 coaxial BNC 75 Ω
AQlink (I2S bus)	CMOS level
Native Sample Rate	16 bit / 44.1 KHz
Front Panel	Standby, Display, Play, Pause, Stop, Previous, Next Switches
Display	Fluorescent display (VFD) with user off-selectable illumination
Remote Control	Infra Red (RC5)
Power Consumption	100-115V / 220-240V; 50 or 60Hz - 38VA
Disc loading	Top-Loading (Manual)
Dimensions	(W x D x H) 450 x 370 x 100 mm
Weight	10 kg
Front finish	Satin Alu Silver or Satin Black
Case finish	Grey Nextel powder coated

4. Front panel

On the front panel, you will find:

- Power on/off switch
- Display on/off switch
- LED power indicator
- Play switch
- Pause switch
- Stop switch
- Previous switch
- Next switch
- Display

1. Back panel

On the rear panel, you will find:

- IEC connector of the power supply (220-240V or 100-120V).
- Digital outputs :
 - etherCON RJ45 - AQlink (I2S serial bus)
 - XLR AES/EBU
 - BNC coax (S/PDIF)
 - RCA coax (S/PDIF)
 - ST fiber (AT&T)
 - BNC word clock

PIN ASSIGNMENT

The pin assignments of XLR-type male outputs are as follows:



- Pin 1: Signal ground
- Pin 2: Signal + (non-inverting)
- Pin 3: Signal - (inverting)
- Connector ground lug: chassis free

Handcrafted in Italy

aqua - acoustic quality

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