

# AVIDHIFI



## INSTRUCTION MANUAL

### DIVA II

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#### [Extended 5-Year Warranty](#)

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original shipping. This warranty is transferable in the unlikely event that you would sell this unit onto another party. Register your product at;

**[www.avidhifi.com/register.htm](http://www.avidhifi.com/register.htm)**

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### **WARNING**

YOU MUST ALWAYS REMOVE THE PLATTER AND BEARING  
AND USE THE TRANSIT PACKAGING WHEN YOU TRANSPORT  
YOUR TURNTABLE OR YOU MAY DAMAGE THE BEARING

**DON'T PUT IT ON THE BACK SEAT OF YOUR CAR—YOU'LL BREAK IT**

## **PREFACE**

Please take time to read this Instruction Manual before unpacking your Diva II Turntable. This product is a precision-engineered machine and whilst damage is unlikely with careful handling, the sheer mass of some of the parts could lead to damage of less robust parts within its design. Some of these parts have been excluded from the warranty.

### **<TAKE CARE AND READ THIS MANUAL>**

## **INTRODUCTION**

Diva II is an audio analogue turntable manufactured to extreme limits of precision, design and detail. There are many unique and novel features in this product and its design allows you to install the pick-up arm and cartridge of your choice. With correct ancillary equipment will take your listening pleasure to new levels of excellence.

Whilst it shares some features found in other turntables, it has been designed without compromise not trying to emulate or improve existing designs but redefine the whole thinking behind turntable design.

We hope that you enjoy this turntable for many years!

## **WARNINGS**

1. To prevent fire or electric shocks do not expose either the power supply or motor assembly to rain or moisture.
2. The Main Bearing contains a Sapphire Cup Jewel and this can be damaged if proper care is not taken (see set-up and warranty) and this will affect or stop your turntable working correctly.
3. The Power Supply contains voltages, which can cause serious injury or death as there are no user serviceable parts and there is no reason to open it. In situations of failure return to an approved dealer or service agent. There are calibrated components inside and altering their settings will affect the performance and void the warranty.
4. The Motor is a sealed component and must under no circumstances be opened or adjusted.

## **PACKAGING**

Save all the packing in a dry place away from fire hazard. The Diva II Turntable is a precision instrument and the packaging has been especially designed so that all component parts are safe during transportation.

You should not have occasion to return your unit to us, but if you need to, the unit must be shipped in its original packaging to keep it from damage. In the event of the packing being lost or damaged further packing can be provided at cost.

Do not transport the turntable assembled. This may cause damage and void the warranty.

## **PARTS CHECKLIST**

The packing has been designed to eliminate parts being missed, however if something is found to be amiss please contact your dealer.

Instruction Manual	1	Bearing Drive Hub	1	Pick Up Arm (if supplied)	1
Platter	1	Motor Assembly	1	Arm Adapter (if supplied)	1
Drive Belt	1	Power Supply	1		
Clamp	1	Power Cord	1		
Main Chassis	1				
4mm Tungsten Carbide Ball	1				



## SET UP INSTRUCTIONS

**THE SUPPLIED PACKAGING IS VITAL FOR PROTECTION AND SHIPPING. IT SHOULD BE RETAINED AND REPLACEMENT PACKAGING IS COSTLY.**



### **PACKAGING.**

- ON OPENING THE BOX YOU WILL SEE THE TURNTABLE ASSEMBLED. IT MAY OR MAY NOT HAVE AN ARM FITTED LIKE SHOWN.
- MAKE A NOTE OF WHERE THE PACKAGING IS SHOULD YOU NEED TO REPACK THE TURNTABLE INTO THE BOX.
- ACCESSORIES SUCH AS DRIVE BELT, BEARING BALL, MAINS LEAD AND PICK-UP ARM TOOLS ARE IN THE ACCESSORIES PACK BEHIND THE ARM.



- REMOVE THE TOP FOAM PACKAGING. YOU WILL NOW SEE THE MOTOR AND POWER SUPPLY.
- LIFT THE TURNTABLE OUT. THE WHITE FOAM WILL COME WITH IT.
- REMOVE THE WHITE FOAM FROM THE SUSPENSION PODS.
- THE MOTOR AND POWER SUPPLY CAN NOW BE REMOVED FROM THE PACKAGING.
- BE CAREFUL AS THE MOTOR IS VERY HEAVY.



- LIFT AWAY THE PLATTER, DRIVE HUB AND CLAMP IN ONE PIECE, AS SHOWN.
  - NOTE THERE IS TRANSIT PACKAGING UNDER THE PLATTER.
  - THIS PREVENTS THE SAPPHIRE BEARING HITTING THE TOP OF THE SHAFT.
  - YOU MUST ALWAYS REMOVE THE BEARING BALL AND USE THE TRANSIT PACKAGING WHEN YOU TRANSPORT THE TURNTABLE OR YOU MAY DAMAGE THE BEARING.
- DON'T PUT IT ON THE BACK SEAT OF YOUR CAR—YOU'LL BREAK IT.**



- REMOVE THE PROTECTIVE PACKAGING FROM THE SUSPENSION PODS.
  - YOU MUST CLEAN THE TOP OF THE BEARING SPINDLE NOW AND ENSURE IT'S ALWAYS KEPT CLEAN - INSERT SOFT TISSUE INTO TOP OF SPINDLE AND TWIST TO CLEAN.
  - PLACE THE BEARING BALL INTO TOP OF SPINDLE.
- DO NOT USE ADHESIVE OR ADD LUBRICATION TO THIS AREA.**



- UNSCREW THE CLAMP FROM THE BEARING. THE DRIVE HUB AND PLATTER WILL SEPARATE. REMOVE PROTECTIVE PACKAGING.
- FIT THE DRIVE HUB / BEARING ONTO THE SPINDLE.
- CAREFUL - DO NOT DROP ONTO SPINDLE AS YOU MAY DAMAGE THE SAPPHIRE. THERE IS A PRESSURE RELEASE HOLE IN THE TOP OF THE BEARING SO IT MAY FIT DOWN QUICKER THAN YOU EXPECT.
- SPIN THE DRIVE HUB TO MAKE SURE IT'S RUNNING OK.



- PLACE THE TURNTABLE WHERE IT IS TO BE PLAYED - THIS SHOULD BE A FLAT LEVEL RIGID SURFACE.
  - PLACE THE MOTOR CLOSE TO THE SUBCHASSIS AS IN PICTURE.
  - FIT THE DRIVE BELT BY LOOPING OVER THE DRIVE PULLEY, THEN STRETCHING OVER THE DRIVE HUB.
  - MAKE SURE THE MOTOR DOES NOT TOUCH THE CHASSIS.
- ALWAYS USE CLEAN HANDS TO AVOID CONTAMINATING THE BELT.**



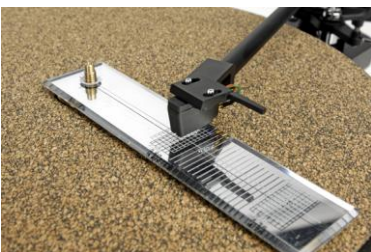
- MANUALLY ROTATE THE DRIVE HUB WITH THE BELT FITTED. THIS ALIGNS THE DRIVE BELT, WHICH MAY COME OFF ON INITIAL START UP.
- SPEED CHANGE IS DONE BY MANUALLY MOVING THE DRIVE BELT FROM ONE PULLEY DIAMETER TO ANOTHER.
- THE TOP DIAMETER IS 33.33 RPM AND THE LOWER LARGER ONE IS 45.00 RPM
- SPEED CAN BE ADJUSTED USING A STROBE DISC AND MOVING THE MOTOR POSITION TOWARDS OR AWAY FROM THE DRIVE HUB



- PLACE THE PLATTER ONTO THE DRIVE HUB - DO NOT DROP INTO PLACE AS THIS MAY DAMAGE THE BEARING.
- CONNECT THE DIN LEAD TO THE REAR OF THE POWER SUPPLY.
- CONNECT THE MAINS LEAD TO THE POWER SUPPLY.
- IF THE ARM IS READY TO USE, PLACE A RECORD ONTO THE PLATTER. FIT THE CLAMP BY SCREWING ONTO THE SPINDLE. MAKE SURE NOT TO CROSS THREAD.
- ROTATE THE SWITCH CLOCKWISE TO START, ANTI-CLOCKWISE TO STOP.



- YOU MAY HAVE THIS (SEE PICTURE) OR A SIMILAR ARM PRE-FITTED.
- INSTALL THE CARTRIDGE AS PER THE MANUFACTURERS INSTRUCTIONS.
- FIT THE COUNTERWEIGHT AND ADJUST TO THE CORRECT WEIGHT.
- WITH A RECORD AND CLAMP FITTED MAKE SURE THE ARM IS TO THE CORRECT HEIGHT. NORMALLY THE ARM TUBE WILL BE LEVEL TO THE RECORD.



- WITH AN ALIGNMENT TOOL ADJUST THE CARTRIDGE POSITION.
- RECHECK THE TRACKING WEIGHT AND ADJUST THE BIAS.
- FIT THE ARM CABLE UNLESS ALREADY FITTED AND CONNECT TO PHONO-STAGE OR AMPLIFIER.

## **POWER SUPPLY**

Front Panel: Power light; PLAY knob: Rotate clockwise to start, anticlockwise to stop.

Rear Panel: IEC Mains socket; DIN output socket to connect to motor lead.

The mains cable provided or a suitable alternative should be fused at no more than 5 AMPS.



DIVA II PSU FRONT



DIVA II PSU REAR

Fuse in turntable PSU	
PSU	
220~250v	T1.0A slow blow
100~120v	T2.0A slow blow

## **SERVICING**

Because of the careful design of this product general servicing is not required.

The only two things that will need attention will be:

1. Drive Belt, which we suggest be replaced annually.
2. Main Bearing Lubrication. This should be done by AVID after approximately 10 years service.

## **CLEANING**

To maintain the visual appearance, occasionally dust the surfaces with a normal duster - no need for any sprays or polishes.

**DO NOT ATTEMPT TO CLEAN THE DRIVE BELT WITH ANYTHING.**

**IF DIRTY OR GREASY IT WILL PROBABLY NEED REPLACING.**

Never use cleaners containing abrasives, as this will damage the surface.

## **Warranty Statement**

UK Residents

AVID HIFI Limited products are warranted against defects in materials and workmanship for a period of two years from the original date of purchase, or no later than three years from the date of shipment to an authorized AVID agent, which ever comes first, extending to five years subject to the product owner having submitted the Registration form ([www.avidhifi.com/register.htm](http://www.avidhifi.com/register.htm)).

Also the following conditions being observed.

- The product must have been purchased through an authorized AVID dealer
- This warranty is in favour of the original purchaser only, except where...
- Warranties are transferable to subsequent owners provided the new owner completes the product registration form. Warranty obligation is passed from dealer to manufacturer.
- During the warranty period, AVID will repair, or replace any defects in material or workmanship, without charge for parts or labour.
- Should product need to be returned a written description of the defect and a photocopy of the original purchase receipt must accompany it. Receipts must show the model, serial number, date of purchase, name and address of purchaser and authorized dealer and the price paid.
- Returned product must be packed in the original packing and returned to AVID or original dealer by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is void if the product has been used or handled other than in accordance with the instruction manual supplied, abused or misused, damage by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than AVID or an dealer with prior authorization.
- The warranty is void if the product serial number has been removed, altered or made illegible.
- The warranty is void if the product has been taken out of the country of purchase.
- Specific parts excluded from this warranty include: sapphire thrust bearing, drive belts and O-rings.  
These items have no warranty, however replacements may be issued by AVID at our discretion.
- AVID shall not be held liable for incidental or consequential damages of any kind arising from the sale or use of its products.
- The warranty applies to ex-demonstration product, using the date of manufacture as purchase date.
- Where the product is sold under a consumer transaction (as defined by the Sale of Goods Act 1979) the statutory rights of the purchaser are not affected by this warranty.
- Products are sold on the basis of specifications applicable at the time of sale. AVID shall have no obligation to modify or to update products once sold.

## Outside UK

- AVID has formal distribution in many countries throughout the world. In each country the AVID importer has contractually accepted the responsibility for the product warranty. Warranty should normally be obtained from the importing agent or distributor from whom you obtained your product. In the unlikely event of service required beyond the capability of the importer, AVID will, of course, back up the warranty.
- Where product has been either supplied directly or there is no current distributor, AVID accepts responsibility for the warranty period.
- Returned product must be packed in the original packing and returned to AVID by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is only valid in the country of purchase.
- Products outside their original destination requires that units with remaining warranty be returned to the country of purchase for the warranty to be valid. Customer is responsible for freight both ways and all associated import and export charges.
- Foreign distributors are not required to provide warranty service, repair or change AC mains voltage on units that they did not originally import and sell.
- Foreign distributors may at their discretion offer service for a fee.

MISCELLANEOUS. ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. THE WARRANTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.

WARRANTOR. Inquiries regarding the Limited Warranty may be sent to the following address:  
AVID HIFI Limited. Bicton Industrial Park, Kimbolton, Huntingdon. PE28 0LW ENGLAND

## **SPECIFICATIONS**

### **DIVA II**

DRIVE	BELT
SPEEDS	33 and 45 RPM
PLATTER MASS	2.5 Kg
BEARING	Inverted stainless steel
THRUST POINT	Tungsten carbide/Sapphire
SUSPENSION	Triple layer 3 point elastomer
TONERMS	Std. cut for SME (adapters to order)
MOTOR	24v 12mNm ac synchronous
POWER SUPPLY	Separate control unit
VOLTAGE INPUT	100-240vac 50/60Hz 20 watts max. (depending on region)
DIMENSIONS (overall)	450mm x 390mm x 140mm (WxDxH)
(footprint)	380mm x 340mm (WxD)
(PSU)	158mm x 160mm x 60mm (WxDxH)
NET WEIGHT	9.0Kg (20lb) ex. PSU
PACKAGING	570mm x 530mm x 230mm (WxDxH)
SHIPPING WEIGHT	14.0Kg (31lb)

**AVID reserves the right to improve or change its products without notice at any time.**

## **EC Declaration of Conformity**

22 August 2007

We declare that our Diva II PSU conform to directives and harmonized international standards

LVD (73/23/EEC) Low voltage directive EMC (89/36/EEC) Electromagnetic conformity

BS EN 60065: 1994 Safety requirements for mains operated electronic and related apparatus for household and similar use

CENELEC HD21/22 Flexible cables and cords

EN 55020: 1988 Electromagnetic Immunity

EN 55013: 1990 Electromagnetic Emissions

**C. Mas**

**Director**

**AVID HIFI Limited**