



AVIDHIFI

DIVA II SP



USER MANUAL



SCAN HERE FOR
VIDEO GUIDE

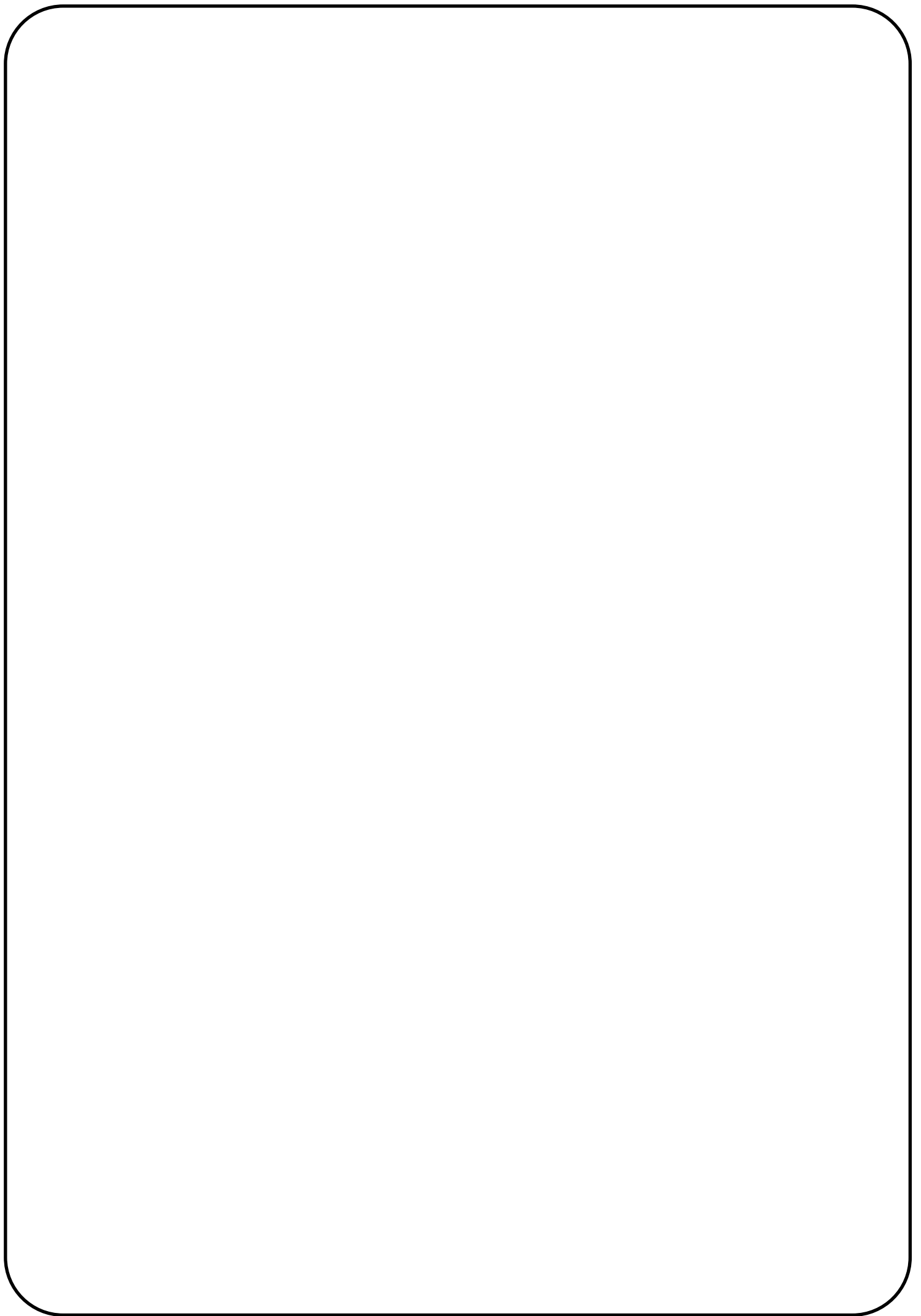


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WARNING

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”

Extended 5-Year Warranty

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original factory 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

Preface

Please take time to read this Instruction Manual before unpacking your Diva II SP Turntable.

This product is meticulously engineered and whilst damage is unlikely with careful handling, the sheer mass of some of the parts could damage the less robust parts within its design. Please keep in mind that certain parts have been deliberately excluded from the warranty, so it is essential to handle and operate the turntable with care and attention.

Introduction

The Diva II SP is an audio 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 it 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 product for many years!

Warnings

1. To prevent fire or electric shocks do not expose either the power supply or motor to rain or moisture
2. The Main Bearing contains a Sapphire Cup Jewel and can be damaged if proper care is not taken, such as moving the turntable or dropping the platter when fitting and this part is excluded from warranty
3. The threaded spindle is made from brass for sonic reasons and is a much softer than the stainless steel clamp. If cross threaded whilst fitting the thread will eventually wear out. Some owners have never had occasion to replace this part after decades of use and others damage it quickly. For this reason it is excluded from warranty.
4. The platter surface (mat) is a specially cork/rubber composite, optimised to reduce vibration within the record and is bonded to the platter. You should not try to remove it, or fit another mat over the top as this will stop the clamp/bearing for working effectively.
5. The Power Supply contains voltages which can cause serious injury. There are no user serviceable parts inside and no reason to open it. In situations of failure, return to your dealer or contact AVID directly. There are calibrated components inside and altering any settings will reduce performance and void the warranty.
6. The motor is a precision mechanism and must under no circumstances be opened or adjusted. If you experience what you believe to be a problem, consult your dealer or AVID directly.

Packaging

The packaging is very expensive to replace, so save all the packing in a dry place away from fire hazard.

The AVID Turntable is a precision instrument and the packaging has been especially designed so that all component parts are safe during transportation. If you should need to return your unit for upgrade, service or repair, you will be required to use 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 will cause damage and void the warranty.

Parts Check List

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

Instruction Manual	1	Main Chassis	1	4mm Tungsten Carbide Ball	1
Platter	1	Drive Belt	2	Power Cord	1
Sub-Chassis	1	Main Bearing	1	Power Supply	1
Clamp	1	Belt Pin	1		
Tonearm (<i>if supplied</i>)	1	Cartridge (<i>if supplied</i>)	1		

Set Up Instructions

The supplied packaging is vital for protection and shipping. It should be retained as replacement packaging is costly. The packaging is layered with each part having a suitable compartment. Make sure it is fitted correctly to avoid damage.



LAYER 1:

Clamp, Bearing and Power Supply

First, remove the Power Supply to prevent it inadvertently dropping and then lift out layer 1 using hand holes.

The packaging is designed to allow some tonearms to be pre-mounted during transportation.

(Arm shown for illustration purpose only)



LAYER 2:

Subchassis, Motor, Power cord and accessory pack

Lift out the motor within its transit foam packaging.

**SEE HOW THE MOTOR IS PACKED - IT IS UPSIDE DOWN
ALWAYS REPACK IN THE SAME WAY.**

**IF YOU DON'T THE MOTOR PULLEY WILL BE PUSH ONTO THE
MOTOR AND IT WILL BECOME FAULTY**

Lift out the Main Chassis.



LAYER 3:

Metal Platter

Remove from packaging.

PLEASE REMEMBER THAT THIS IS HEAVY



CLEAN THE TOP OF THE SPINDLE WITH CLEAN TISSUE PAPER

Place the clean bearing ball into the top of the spindle.

**DO NOT USE GLUE OR ANY LUBRICATION AS THIS WILL DAMAGE
THE BEARING AND THE PLATTER WILL NOT ROTATE CORRECTLY**

This part of the bearing must always be kept clean and free of oil.



CAREFULLY LOWER THE MAIN BEARING ONTO THE SPINDLE

Take special care not to drop or bang the bearing onto the shaft, otherwise you will damage the sapphire, which is not covered by warranty.

The bearing will lower quickly due to the air pressure release hole.

NEVER ADD ADDITIONAL BEARING LUBRICATION



When positioning the turntable for use, it is recommended to place it on a firm, even surface such as an audio equipment rack or wall mounted shelf. If you have a floor that is prone to bouncing, a wall mounted shelf is especially preferable as it can help minimize any unwanted suspension movement. Please note that the turntable feet are not adjustable for levelling.

Make sure to place the motor near the main chassis, but without allowing them to touch. The recommended distance between the centre spindle and motor centre is 118mm.



To install the drive belts, you must first attach them to the platter using the designated belt fitting pin.

Turn the platter over so that the top side is facing down. Locate a small hole on the rim of the platter. Once you have identified the hole, insert the belt fitting pin.



It is essential to have clean hands when handling the drive belts, and also recommended that you clean the platter drive hub and motor drive pulley before installing the belts. Using isopropyl alcohol cleaner is suitable for this purpose.

Carefully stretch each of the two belts over the hub and onto the fitting pin one at a time, ensuring that they aren't twisted together.



Gently fit the platter onto the bearing, taking care not to scrape the spindle onto the platter bore.

Ensure that the fitting pin is positioned over the motor drive pulley, as this will simplify the process of installing the drive belts.



Rotate the platter so the belts align with the grooves of the drive pulley.

WATCH OUR BELT FITTING VIDEO



Now, with your finger, hold the drive belts against the platter underside rim and pull out the fitting pin and simply let go of the drive belts

DO NOT SWITCH THE TURNTABLE ON



Now fit the clamp and manually rotate the platter **SLOWLY** by hand to align the drive belts correctly, otherwise the lower belt will fall off if you just push PLAY as the belts hunt for alignment.



If you have bought an AVID tonearm and cartridge, we provide an alignment gauge specifically designed for setting up your equipment accurately. You should refer to the instructions provided in the tonearm manual or seek assistance from your dealer.

However, if you are using a different tonearm, you will need to install a record and clamp and use the alignment gauge provided with the chosen tonearm.

DRESSING THE ARM LEAD

The tonearm cable should be routed to the amplifier in such a manner that the cable is not inadvertently pulled.

Power Supply

The Diva II SP Power Supply is purpose designed and individually calibrated to the powerful motor used. You should have no reason to open the power supply and tamper with anything within. Doing so invalidates any warranty, reduces sound quality and will possibly cause damage. It is important to allow adequate ventilation. The Mains input socket is an IEC type socket on the rear panel and you should use the cable provided or a suitable alternative. We do not recommend using mains filters and suggest plugging directly into the mains supply. It is recommended that when not in use the unit be switched off, as this will extend the life of the internal components. **There is no sonic benefit in leaving the unit permanently switched on.**

DIVA II SP PSU



Front Panel:

Mains on/off switch (rotate clockwise); Power Light; PLAY/STOP button; Speed changed button.

Speed indication LED will shine Green for 33rpm and Amber for 45rpm.



Rear Panel:

Motor Connection - Mains Socket - Fuse Holder



Speed Adjustment: *(watch our video guide)*

The speed is calibrated at the factory, however you may wish to check this sometimes, although there should be no drift from the locked speed. To check the speed you will need a strobe disc or alternative. With the turntable playing, select which speed you wish to adjust and press and hold both PLAY and SPEED buttons together until the speed light flashes. The flashing light indicates adjustment mode is selected. Pressing the PLAY button slows the platter and the SPEED button increases the speed. Once correct speed is achieved press both buttons again to lock.

DO NOT SEE HOW FAST OR SLOW YOU CAN ADJUST THE SPEED AS THIS WILL OVER-LOAD THE SUPPLY AND IT WILL POSSIBLY BECOME FAULTY. THIS DAMAGE IS EXCLUDED FROM OUR WARRANTY.

Replacement Fuse Guide

220~250v

100~120v

Diva II SP PSU

T1.0A slow blow

T2.0A slow blow



For users who have to use two-pin mains sockets, please note that on a standard IEC mains female plug, the right hand pin (see image) is the 'Live' pin—always make sure this is connected to the live pin on the wall socket. Failure to do so will mean that the neutral feed will pass through the mains switch rather than the live feed, which is less safe and should be avoided.

Servicing

General servicing is not required, however we do offer a maintenance service, see our website upgrades page. Drive Belts we recommend replacing bi-annually or sooner if you use the turntable every day.

Cleaning

To maintain the visual appearance, occasionally dust the surfaces with a normal microfiber cloth - no need for any sprays or polishes. Fingerprints, greasy marks or similar smudges can be removed with a damp cloth with mild soapy water or isopropyl alcohol cleaner. Never use cleaners containing abrasives, as this will damage the surface.

Specifications

DIVA II SP TURNTABLE

DRIVE	TWIN BELT
SPEEDS	33/45 RPM
PLATTER MASS	6.3Kg
BEARING	Inverted Stainless Steel
THRUST POINT	Tungsten Carbide/Sapphire
SUSPENSION	Triple layer 3 point elastomer
TONEARMS	SME fitting. Adapters available for single or twin tonearms
MOTOR	24v 12mNm AC Synchronous
POWER SUPPLY	Separate control unit
VOLTAGE INPUT	100-240VAC 20 Watts max. (depending on region)
DIMENSIONS (overall)	450 x 390 x 140mm (WxDxH)
(footprint)	380 x 340mm (WxD)
(PSU)	158 x 283 x 60mm (WxDxH)
NET WEIGHT	12.8 Kg (28lb) ex. PSU
PACKAGING	570 x 530 x 230mm (WxDxH)
SHIPPING WEIGHT	19.0Kg (42lb)

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

EC DECLARATION OF CONFORMITY

We the Manufacturer, **AVID HIFI Limited**

Bicton Ind. Park, Kimbolton, Cambridgeshire. PE28 0LW (UK)

TEL: +44 (0)1480 869900 / Email: info@avidhifi.co.uk / Web: www.avidhifi.com

Acknowledge our sole responsibility, that the product:

KIND OF EQUIPMENT: **Turntable/Record Player** TYPE DESIGNATION: **DIVA II SP (All Variants)**

In accordance with the EMC Directive **2014/30/EU** is in compliance with the following norm(s) or document(s):
Technical regulations: **EN 55032:2015+AC:2016 / EN 55035:2017 EN 61000-3-2:2014 / EN 61000-3-3:2013**

&

In accordance with the Low Voltage Directive **2014/35/EU** is in compliance with the following norm(s) or document(s):
Technical regulations: **EN 62368-1:2014**

&

Is in conformity with Directive **(EU) 2015/863** Restriction of Hazardous Substances in electrical and electronic equipment.

Conrad Mas (Managing Director)

Date: **4th January 2021**

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, whichever comes first, extending to five years subject to the product owner having submitted the Registration form

www.avidhifi.com/register

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.
- 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 manufacture date 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.

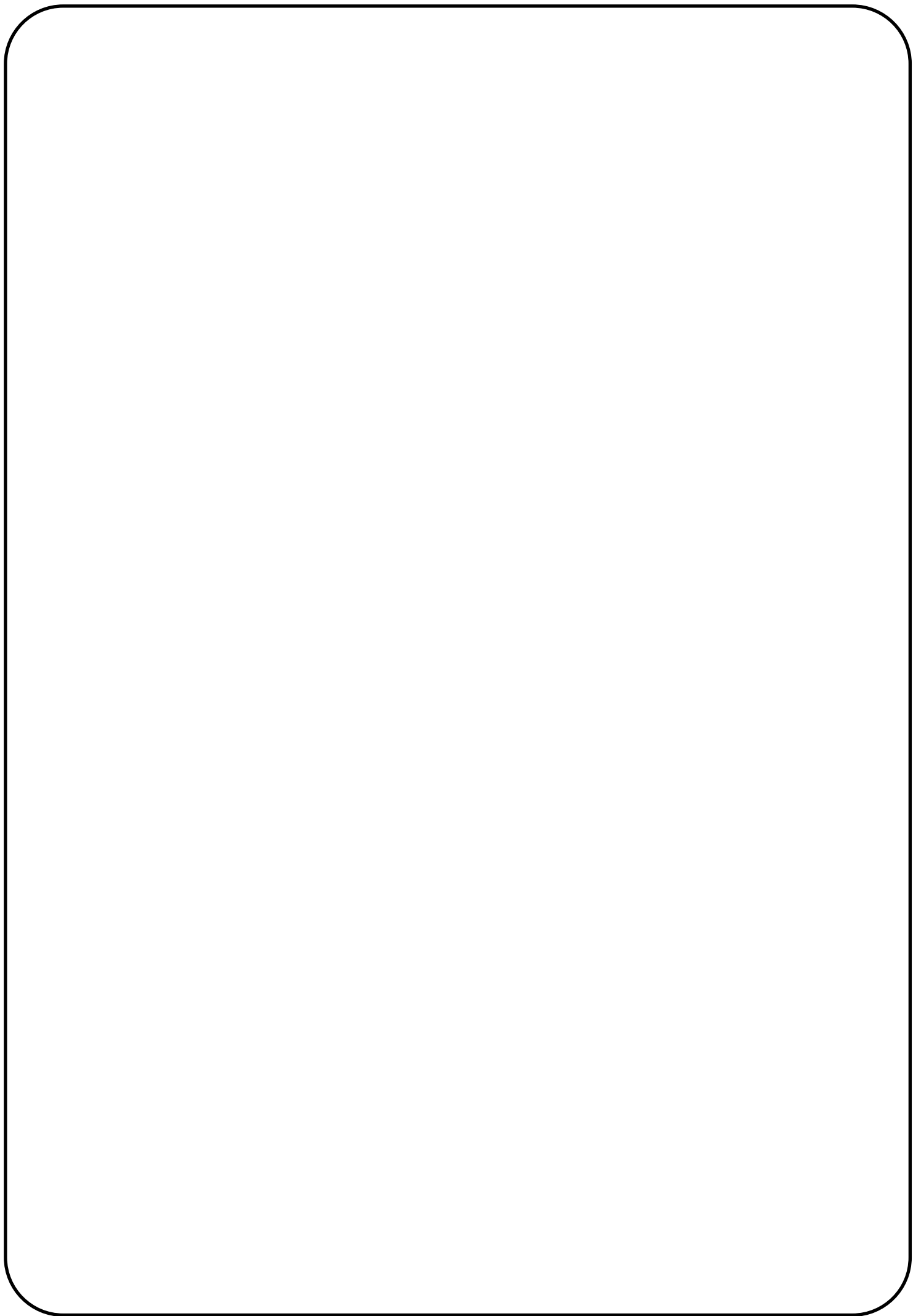
Outside UK

- 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





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