



Well Tempered Lab

INSTRUCTION MANUAL

Amadeus

Amadeus GT

Preliminary

Before embarking on the relatively simple process of assembling the Amadeus, please take the time to fully read these instructions and follow the steps within. The old adage of "if all else fails read the instruction manual" needs to be applied from the onset. The Well Tempered Lab cannot be held responsible for consequences resulting from the failure to comprehend these instructions. If in doubt always consult with your dealer.

The Well Tempered Lab's policy is the continuous improvements of its products. We therefore reserve the right of departure from illustration or specification that this might occasion.

Contents

Unpacking the Amadeus	Pg 3
Assembly	Pg 3 - Pg 4
Suspending the Tonearm	Pg 4 - Pg 7
Installing the Platter	Pg 8 - Pg 9
Installing the Belt	Pg 9
Belt for Life Policy	Pg 9
Fitting the Cartridge and Tonearm adjustments	Pg 9 - Pg 10
Rear Panel	Pg 11
Isolation Base	Pg 11
Troubleshooting	Pg 12
European Waste and Electrical and Electronic Directive	Pg 12
Warranty and Service	Pg 13
Registration	Pg 13

Unpacking the Amadeus

We recommend the use of the white gloves provided when handling the plinth and platter assemblies.

Take care that none of the fluids contaminate the finished surfaces of your Amadeus.

The Amadeus packaging has been designed to protect it from the hazards of shipping. It is advisable to save it for further use.

Assembly

For ease of assembly we recommend a flat work surface, such as a table or bench. All necessary tools have been provided.

1. Install bearing cup in plinth adjust to approx 40mm (1.6in) above plinth and tighten set screw. See Fig (1)



Fig (1)

2. Install tonearm suspension pillar to approx 95mm (3.8in) above plinth and tighten set screw. Complete with tonearm suspension rod. See Fig (2)

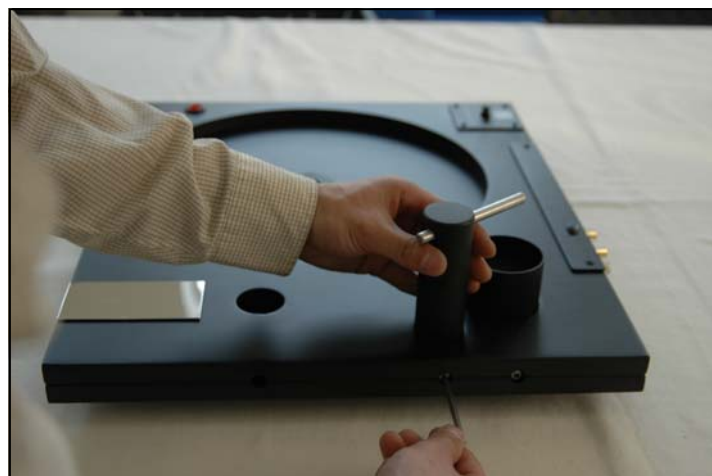


Fig (2)

3. Install tonearm rest / lock in plinth approx 50mm (2in). See Fig (3)



Fig (3)

Suspending the Tonearm

1. Coarse azimuth adjustment if necessary can be achieved by rotating the tonearm within the golf ball. The Headshell should be parallel to the small nylon filament points. Correct bridle length when tonearm is suspended is 23mm from top of tonearm to bottom of suspension rod. See Fig (4)

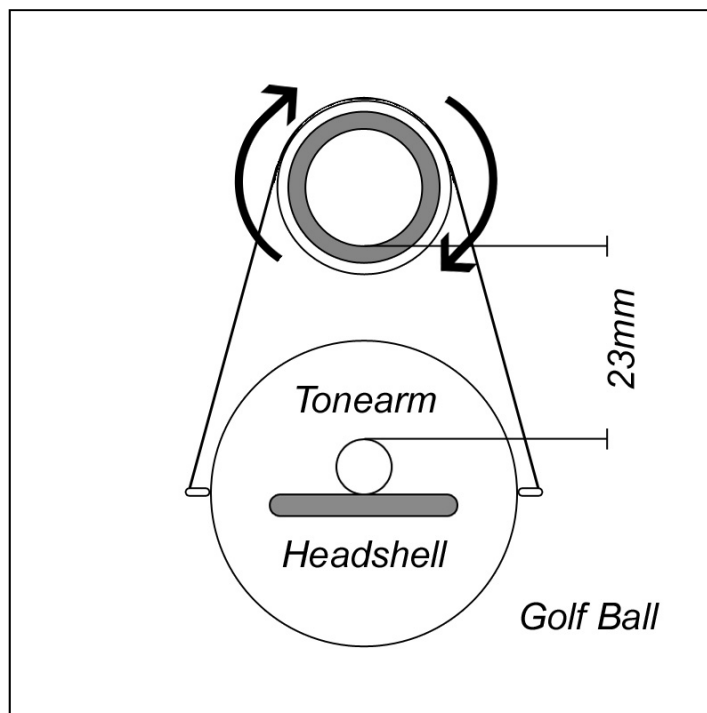


Fig (4)

2. With a small amount of care take tonearm and apply 2 turns of the nylon suspension from the golf ball around the azimuth adjustment collar install on rod, with 1/2 twist anti clockwise to apply "antiskate". See Fig (5) - (11)

Fig (5)



Fig (6)



Fig (7)



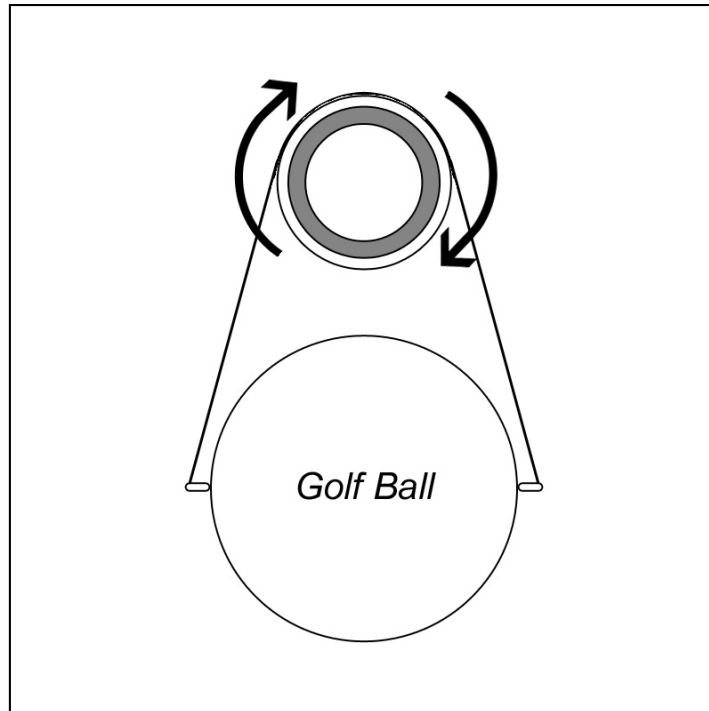


Fig (8)



Fig (9)



Fig (10)

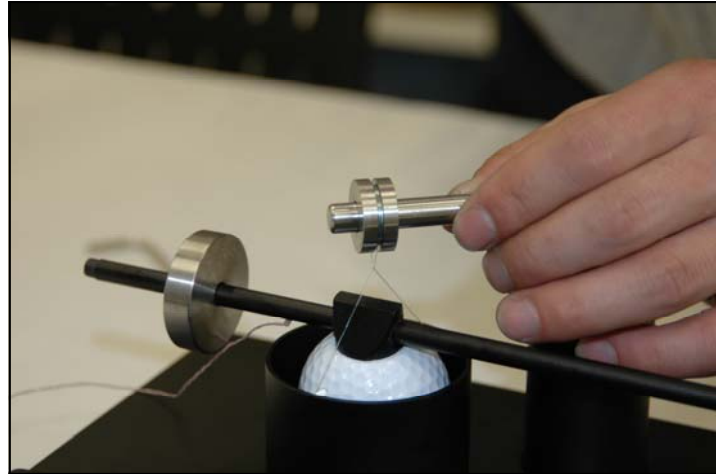


Fig (11)

5. Adjust pillar, rod and azimuth collar to allow golf ball to float central of bearing cup.

Note: All the above adjustments can be fine tuned when cartridge is installed.

Fit tonearm connector to socket making sure that the connector "locks" in place, failure to ensure this connector is firmly locked may result in a loss of signal on either channel. See Fig (12)



Fig (12)

Installing the Platter

Fill spindle bearing with synthetic oil supplied to the level of approximately 10 to 15mm (1/2 in) below the upper Teflon spindle bearing. Over-filling the bearing will cause the oil to overflow the bearing housing when the platter spindle is lowered into the bearing housing. Gently lower platter into bearing. See Fig (13) - (14). It is most important that spindle is located correctly in the centre of the lower thrust bearing. Failure to locate the pivot point of the spindle correctly will cause the platter to rotate abnormally. The spindle has been designed to protrude through the platter to provide a central lifting point that enables the user to easily achieve this.

Note: The zero clearance Well Tempered bearing can rotate for hours without oil. If you wish, you can complete other adjustments before applying the bearing oil. See Fig (15)



Fig (13)

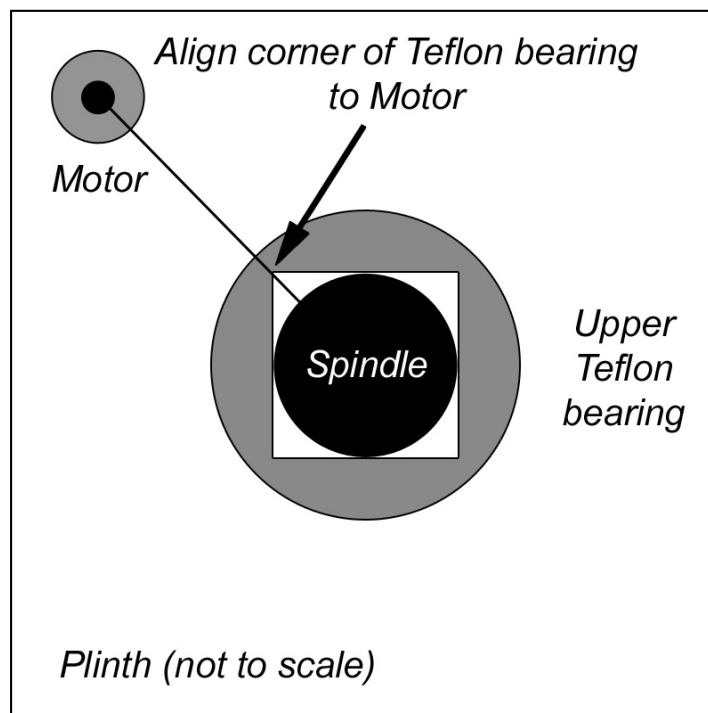


Fig (14)

Speed Control

Speed change is effected by manual movement of the belt on the pulley. 33.5 RPM on the small diameter step on the pulley, 45 RPM on the larger diameter step on the pulley.



Fig (15)

Installing the Belt

Start with the belt around the motor pulley, take care the other end clears the centre spindle and rotate the platter, the belt will track around the platter. See Fig (16)

Well Tempered belts if dropped are easily misplaced, we give you two but suggest you place the belt on something dark to make it easily seen.



Fig (16)

Belt for life

The Well Tempered Lab offer a "belt for life policy" just send a self addressed envelope with stamp to your distributor or dealer for replacement.

Fitting the Cartridge and Tonearm adjustments

1. We recommend fitting the cartridge with the tone arm in position. However it is possible to fit the cartridge before suspending the tone arm (see Fig 17). Great care needs to be taken when installing the cartridge as the Well Tempered Lab bears no responsibility for cartridge damage.

2. Install the cartridge to the manufacturer's specifications. The Amadeus features a head shell that requires no tracking alignment adjustment. Although we strongly recommend it remains firmly fixed in the correct position as supplied, for those who must experiment it can be gently loosened and retightened.

3. The Amadeus tonearm has an effective length of 10.5" (267 mm). The headshell is fixed ex-factory in the optimum position. There is no provision for over-hang adjustment. Some alignment protractors may well disagree. However, The Well Tempered Lab stands by their convictions.

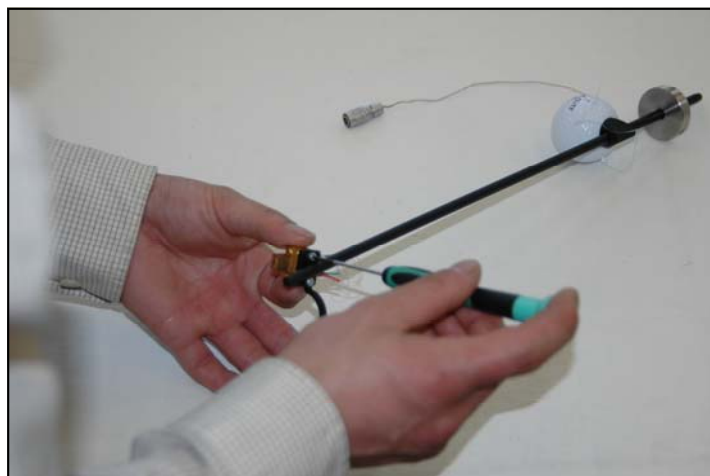


Fig (17)

4. There is an optional finger lift provided which can be attached to the cartridge fixing screw, adjacent to the right hand side of the plinth.

5. Apply damping fluid into bearing cup to approx halfway up golf ball. See Fig (18)

Note: Damping can be altered by simply raising or lowering the damping cup, it is not critical and maybe adjusted to suit the listener's own preference.

6. Adjust tonearm for correct VTA by set screw on suspension pillar.

7. Set tracking force with stylus gauge, supplied to cartridge manufacturer's specification.

8. Correct Azimuth can be obtained by gently rotating the azimuth adjustment collar to allow the cartridge to track parallel to the record surface. This can be achieved whilst the record is rotating and requires only minor correction in both directions to achieve the correct result.



Fig (18)

Rear Panel

Earth screw and phono sockets colour coded and clearly marked are on the rear panel See Fig (19). Speed adjustment is also available on this panel. Connection for the AC adaptor is on this panel and clearly marked. Plug it in, you are ready to go. Enjoy!



Fig (19)

DC Power Supply

We recommend a power supply with a maximum output of 12V and not less than 7V, with a minimum of 100mA, centre pin positive

Isolation Base

For the optimum performance from the Amadeus we recommend the use of the Isolation base and four proprietary feet.

Feet should be placed within the outer extremities on the underside of the four corners of the base.



Troubleshooting

1. In the unlikely event that you wish to remove the tonearm, the golf ball can be lifted clear of the fluid, and left to drain. Surplus fluids may then be wiped from the golf ball with a paper towel.
2. Rubbing alcohol of 70% or above proof will remove all traces of fluid. All paper towels must be immediately discarded in a suitable receptacle. We also have it on good authority that Vodka of the highest proof can be pressed into service if rubbing alcohol is unavailable. Our chief designer also uses "Ronsonol" brand cigarette lighter fluid with excellent results. This is also known in some countries as white spirits or white gas. We suggest you first try cleaning fluid with caution and on the underside of the plinth. The Well Tempered Lab can bear no responsibility for damage caused by cleaning fluid.
3. Well Tempered Lab belts are easily lost. We recommend placing or hanging on a dark background, when not on the turntable.
4. For cartridges without threaded fixing holes we find it most convenient to attach the cartridge to the head shell in the slot closest to the platter. The other screw with the optional finger lift attached can then be passed through the head shell and remaining cartridge hole. A small "popsicle" stick or similar with a piece of double backed sticky tape on the end is invaluable. Just place the remaining cartridge nut on the tape at the end of the stick under the protruding screw and tighten.
5. The Amadeus motor has bearing tolerances that cause it to be noisy without the load of the belt and platter. It is sometimes possible during transit for the motor to shift within the isolating rubber mounting and vibrate against the motor mounting cover. This is easily remedied by gently moving the motor clear of the mounting cover plate.
6. If the platter rotates abnormally, please refer to page 8 "Installing the Platter" to centre the spindle.
7. Early Amadeus models were supplied with a vinyl coated foam plastic matt. Unfortunately, we could not guarantee the consistency of this material. After many hours and almost as many variables of matt materials we have concluded that the current version suits our design and sounds excellent.
8. **Important:** For optimum performance Well Tempered turntables require to operate on a flat and level surface.



The European Waste Electrical and Electronic Directive

This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.



The European Waste Electrical and Electronic (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, there by reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still useable, consider giving it away or selling it.

WARRANTY & SERVICE

Valid on completion of warranty card and confirmed date of purchase. Details can be registered at thewelltemperedlab.net

This Well Tempered Lab product is warranted against defects in material and workmanship for one year from date of purchase.

This warranty does not cover normal wear and tear and is void if the Well Tempered product has been subject to mis-use, accident or negligence or if it has been tampered with or modified in any-way. Spillage of any fluids supplied by the Well Tempered Lab is not covered within the scope of this warranty.

Warranty is restricted to the territory in which the product was purchased. Our distributors and dealers are under contractual obligation to service under warranty products only sold through them. They are entitled to make a non refundable charge for service to products purchased outside the territory if required.

Claims Under This Warranty

The product should be returned to the dealer or nearest Well Tempered distributor, complete with warranty card and confirmed date of purchase. **Note special care is required with the fluids and the Well Tempered Lab and its agents can bear no responsibility for spillage or damage caused by incorrect handling and packaging of the fluids.**

REGISTRATION CARD



Well Tempered Lab

Name _____
Address _____

City _____
State _____
Zip _____
Telephone _____
Email _____
Model _____
Serial Number _____
Purchase Date _____
Dealer _____