

# air-1 Turntable

## User Guide

Congratulations on your new CONSONANCE!

Opera Audio products are based on a simple philosophy:

The component shall reproduce the original musical sound, purely and naturally.

The products are easy to operate and are manufactured according to the best quality principles.

All CONSONANCE products are created with acoustical instruments in a concert situation as point of reference. The music is reproduced exactly like the original and is limited only by the quality of the recording.

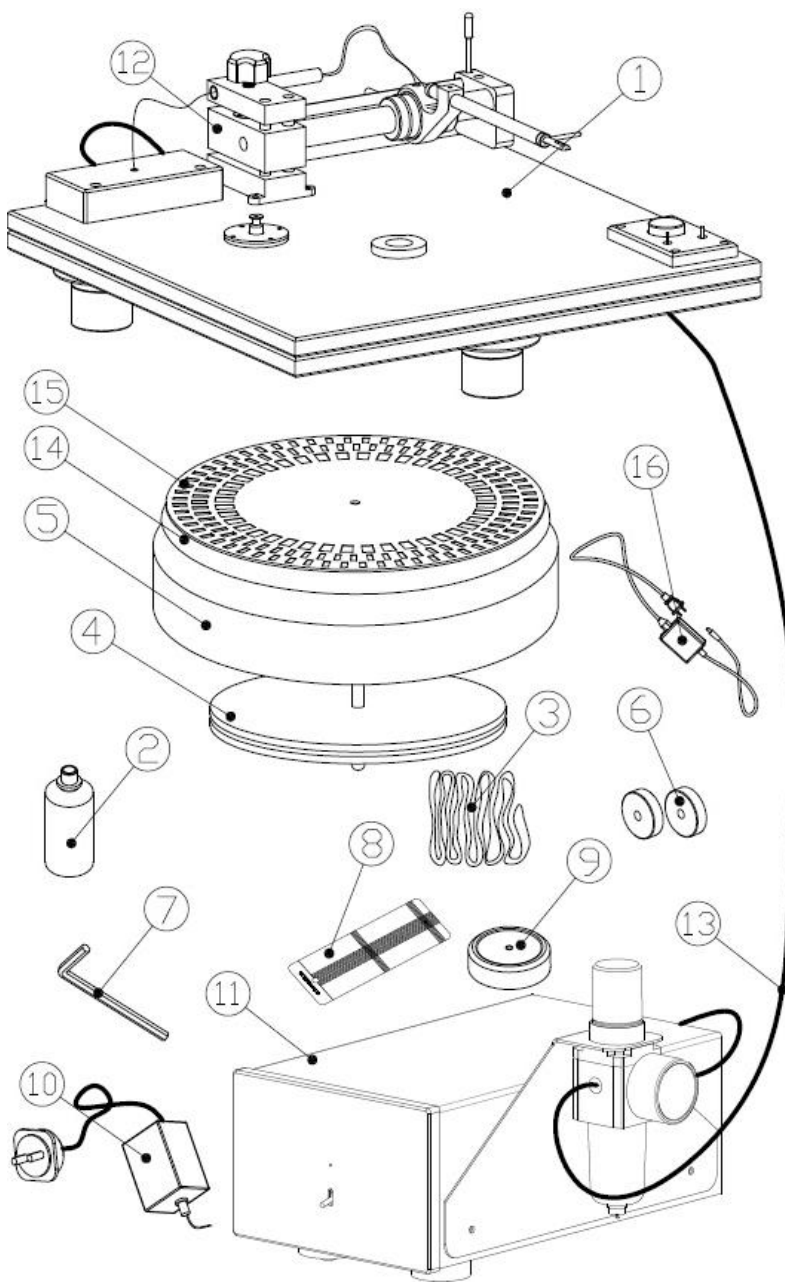
***Our aim is to give you the best possible music experience!***

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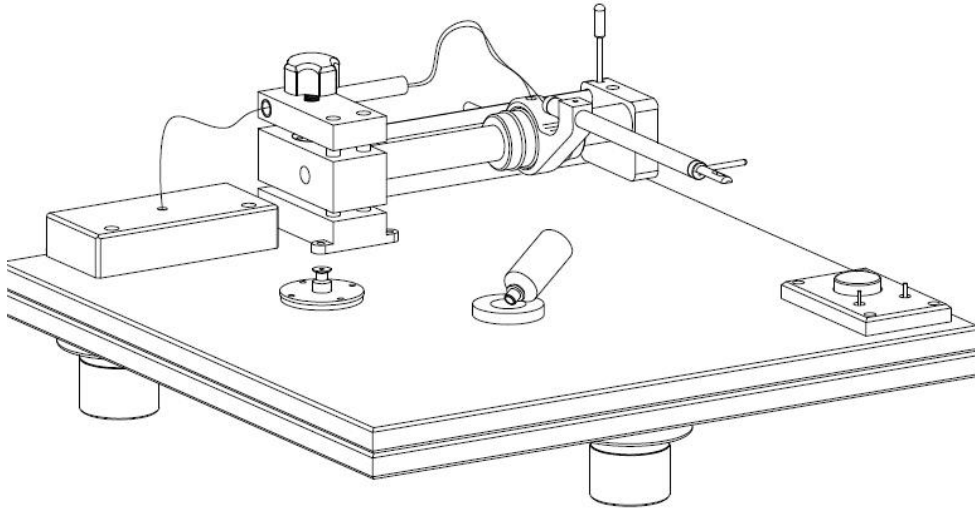
## Part List

- |                    |   |
|--------------------|---|
| 1. Plinth          | 9. Level                                |
| 2. Lubrication oil | 10. DC5V power supply for Pump          |
| 3. Belt            | 11. Pump                                |
| 4. Driven wheel    | 12. LT-1S tonearm                       |
| 5. Platter         | 13. Trachea                             |
| 6. Counterweight   | 14. Mat                                 |
| 7. Allen wrench    | 15. Strobe Disc                         |
| 8. Protractor      | 16. DC12V linear power supply for Motor |



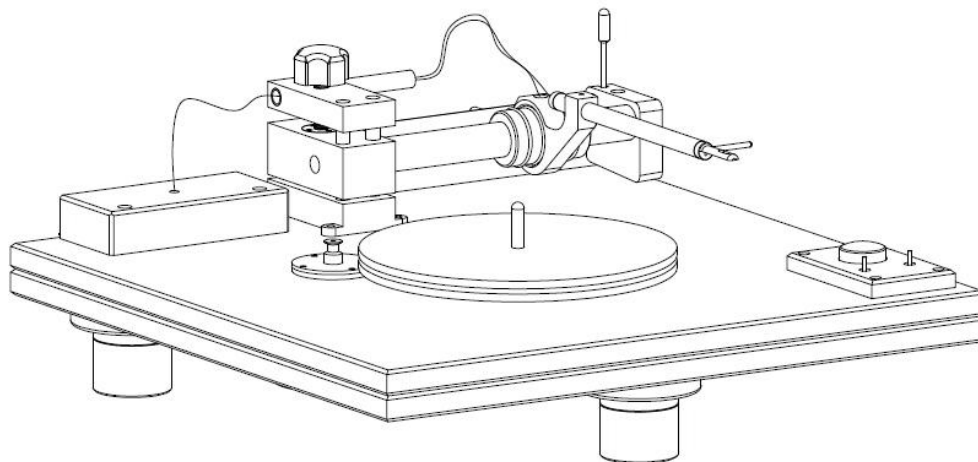
## Assembling the Turntable

1. Open the box and take out the turntable plinth. Fill the bearing with lubrication oil (Part 2) supplied to a level of 1mm above the bottom bearing.

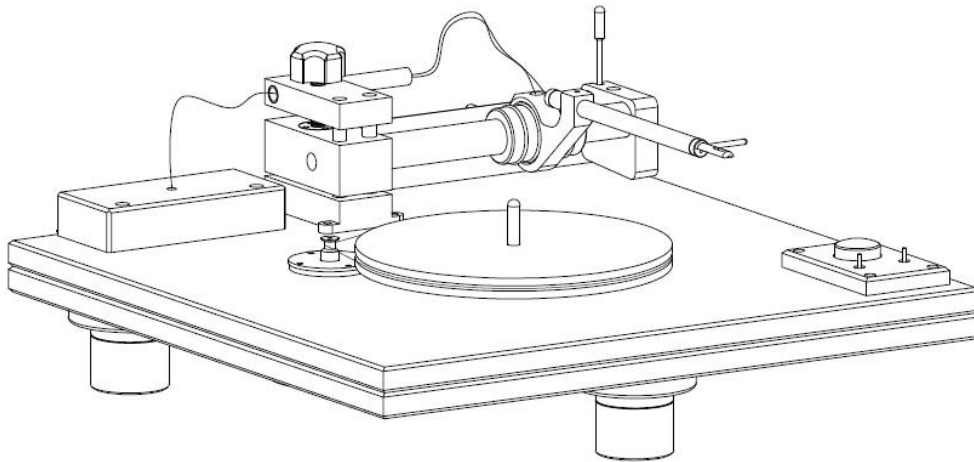


2. Installing the driven wheel.

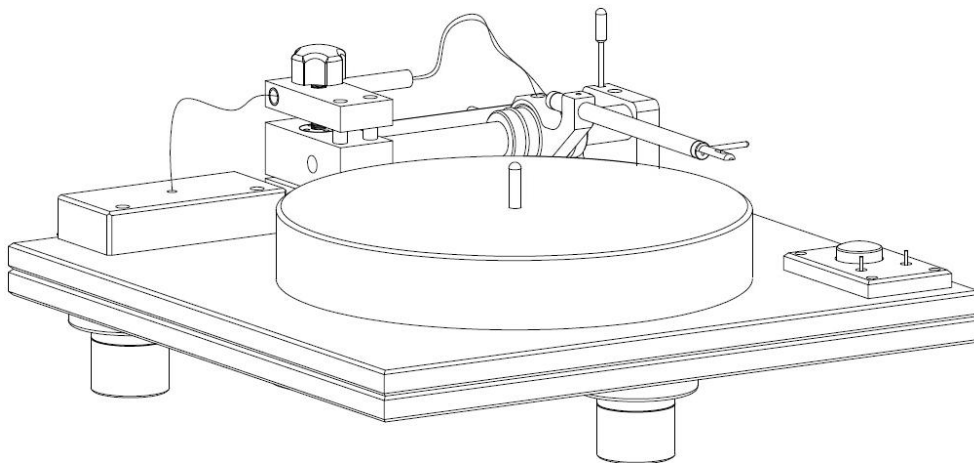
Pickup the driven wheel (Part4) from the package after put on the cotton gloves, hold the platter level above the bearing house, locate the bearing carefully and gently into the bearing house until it seats fully and rotate smooth.



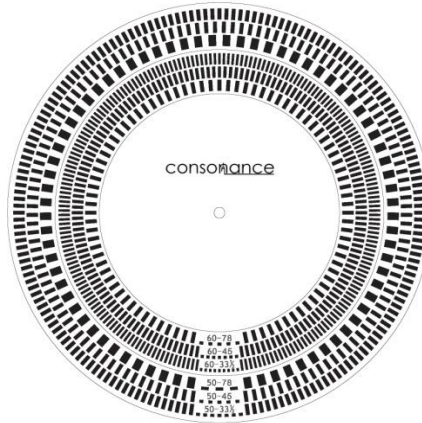
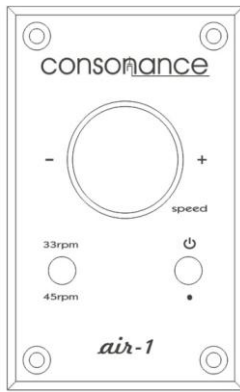
3. Take out one of the drive 'belts' and run it round the motor spindle and then round the driven wheel.



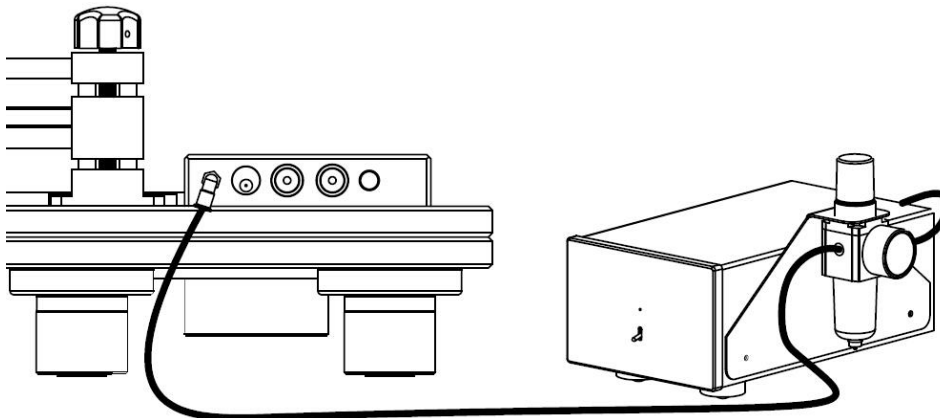
4. Install the platter and Mat.



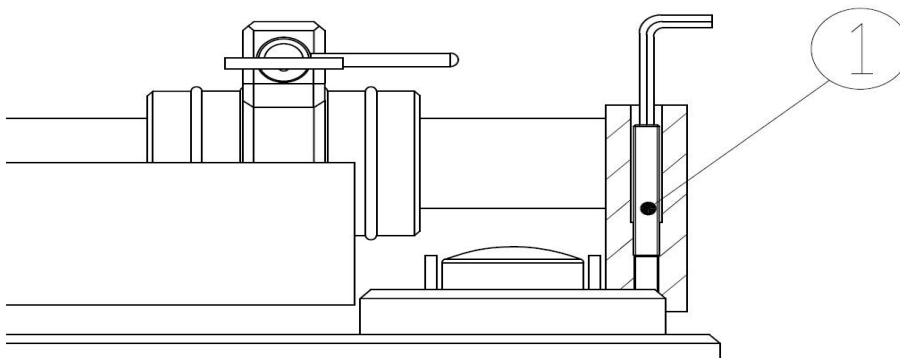
5. From left to right is: 33/45 speed selection switch, speed adjustment knob, power on/off switch. Put the Strobe Disc on the platter, and adjust the speed controller knob to get the 33.3rpm or 45rpm. The corresponding circle on Strobe Disc will display stable stripes.



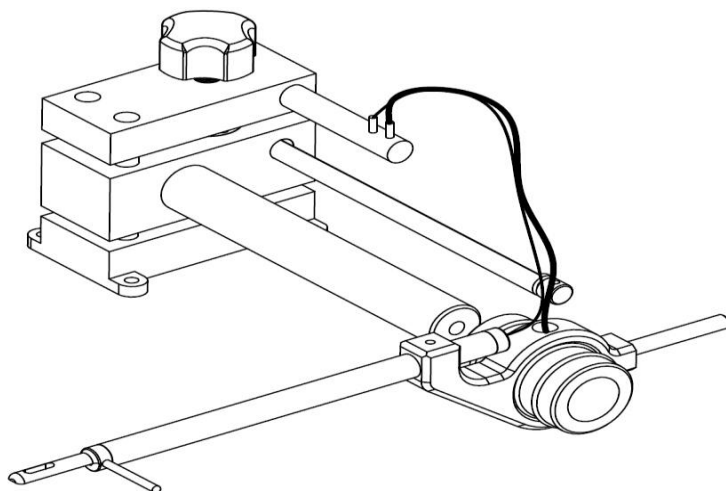
6. Remove the pump from the package. Follow the picture, make sure it use the air tube to connect with the water separator and tonearm. Then turn on pump. If the installation is correct, barometer will show 0.05MPa. Make sure the air bearing move is very smooth.



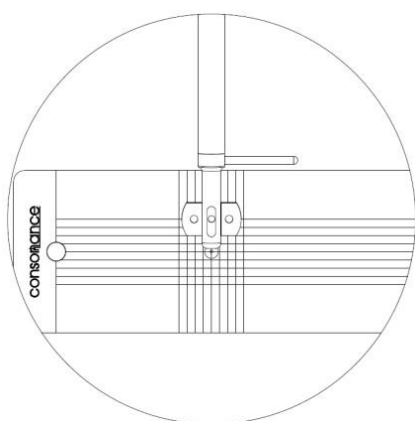
**Note1: It is very important to adjust the level of the air float tonearm. First you can adjust feet. If necessary, you also adjust the screw 1 confirm with the spirit level. In the end fix screw 1.**



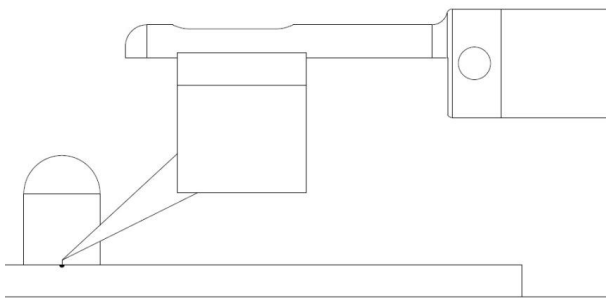
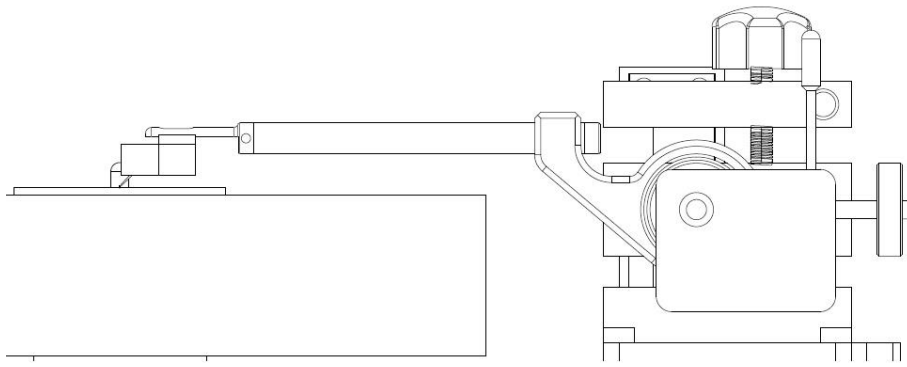
**Note2: When the LT-1s is used for a period of time, the inside of the air bearing sleeve will be dirty, which will affect the normal operation. To clean the sleeve, loosen the M6 screw and remove the guide rail. Clean the inside of the sleeve with a wet tissue. After that, re-install the guide rails.**



7. Mount the counterweight and the cartridge. Use the stylus gauge adjust the cartridge tracking force. Put the protractor on the spindle of turntable. Let the straight line and the edge of the cartridge is parallel. Move the headshell until the tip fall the black spots .Fix the screw on the top of headshell.



8. LT-1 has VTA adjustment system. You can at the same time while listening to adjust until satisfied.



## Technical Specification

Wow and Flutter: Less than 0.02

Rumble: Greater than 80dB down

Speed accuracy: Within 0.01%

Motor speed control power supply: DC12V

Pump power supply: DC5V

## WARRANTY

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.

**Please mail or e-mail the Registration Card to the address as follows:**

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