



*Read before unpacking components*

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## **Zontek Turntable Setup Instructions**

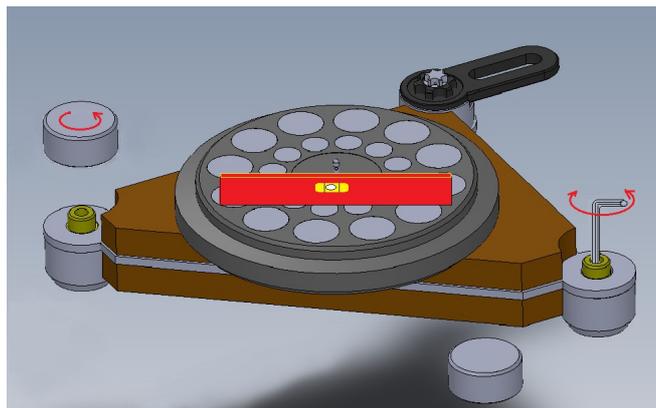
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1.

Please follow these instructions carefully. These instructions detail the optimal sequence of steps to ensure the correct operation of this precision turntable.

1. Basic setup of the plinth

- a. Open the box.
- b. Remove soft elements.
- c. Carefully remove the bigger part, that contains the plinth and platter. Warning: this is heavy – 35kg/65lbs! If necessary have another person assist you.
- d. Examine the plinth under the platter for any signs of oil leakage. That could occur if transportation did not follow the positioning.
- e. Plinth leveling process:
  - Use a spirit level tool, at least 30cm (12in) long on the platter, turn the platter to verify level at each direction.
  - To correct the level please open two legs that are without the armboard (open top elements of the leg by turning left). Inside the leg please locate hex screw – adjust the height by turning the screw. The appropriate hex tool is included with the kit.



**Please do not continue if the unit is not levelled.**

2. Bearing oil check.

First verify that no oil leaked during transportation. If not you can proceed with the setup process. If there was an oil leak please clean any spilled oil and refill the bearing as described later in the manual.

3. Motor unit

Remove the motor unit from the case (triangle shape element). Set the height of the motor unit by adjusting the three legs. Two legs are under the triangle, the third (with the motor) is adjustable by hex screw accessible after removal the lower part of this leg. After setting the height place this unit by the plinth adjusting the distances to fit the rectangle.

Carefully fit the platter, please avoid hitting the bottom of the bearing to avoid any damage. Then use Technical Alcohol\* to clean the motor pulley and side of the platter where belts are working.

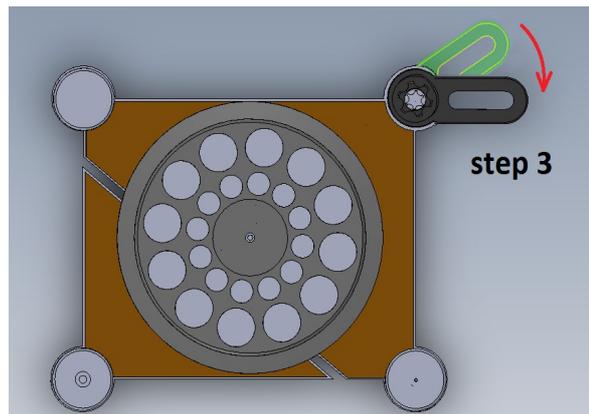
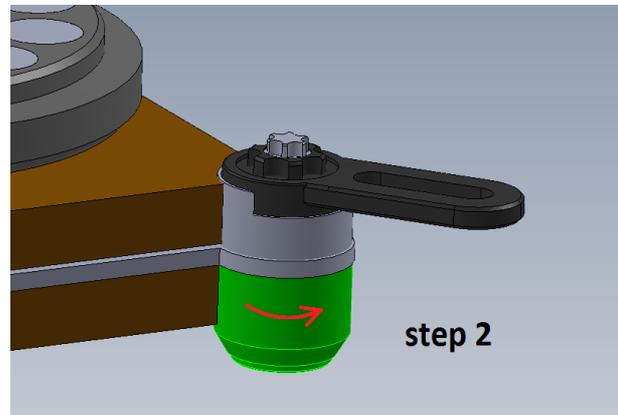
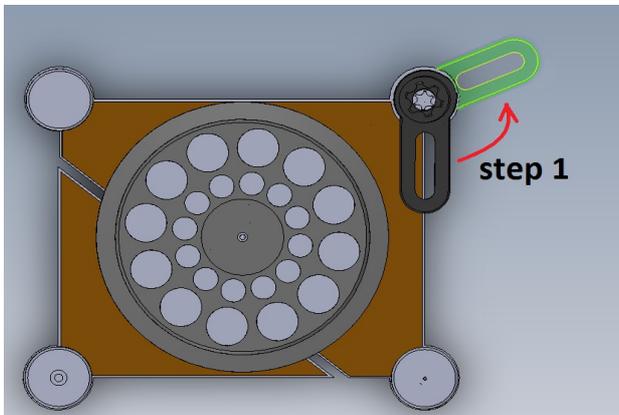
You can mount the belts now (two belts are recommended).

\* Sometimes called "Isopropyl Alcohol".

#### 4. Armboard setup.

The armboard is positioned for transportation at the 6 o'clock position. Please move it to 3 o'clock position. This action will untighten the armboard – to stabilize it please turn the lower element of the leg while upper element and the armboard are kept at the 3 o'clock position. Hint – you can move this up by 3-5 cm and put something under the plinth (e.g a piece of soft wood, a small plastic bottle of water). That will make tightening easier and will not damage the spike elements inside the leg.

Next please adjust the height of the tonearm – as during the transportation that is at the high position. To do it turn small knob labeled “Lock” anticlockwise to unlock the mechanism. Then turn the bigger knob clockwise to lower the armboard down to 0 mm position on the scale. While at zero please turn the “Lock” knob to lock the mechanism.



## 5. The DELTA tonearm.

**IMPORTANT NOTICE: The tonearm is the most sensitive element of this turntable. It is made of wood and a suspension inside the unit is made of thin steel line and the ceramic ring. This suspension can be damaged if the handling would be not careful.**

- a. To mount the tonearm please carefully remove it from the case. Unscrew the nut at the bottom of the tonearm base.
- b. Place the tonearm on the armboard, use the nut to secure the placement but allow movement of the tonearm at the armboard.
- c. Use the meter to locate 355mm pivot to spindle distance and secure the placement by the nut. Please mind the armrest positioning during the placement. The head of tonearm should fit the outer of the 12in record (beginning of the groves).
- d. Now the cartridge can be mounted and cabled.
- e. If you have a protractor please set the geometry respective to the pivot to spindle distance. If you do not have a protractor please verify the pivot to spindle distance (355mm) and set the cartridge to 10mm overhang.
- f. To set VTA please use the mechanism with the “Lock” knob.



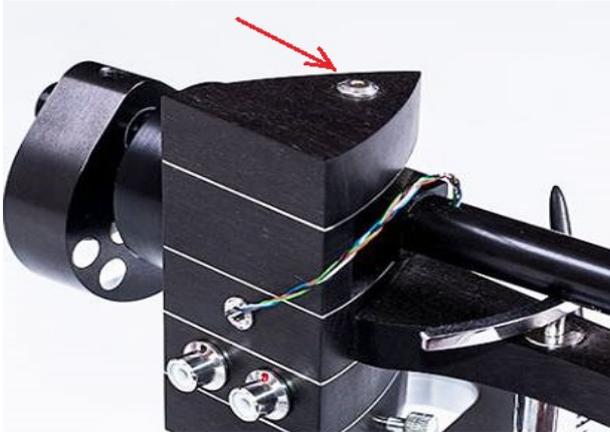
- g. Now setup the tracking angle, use the protractor or generate a printout using tools available on the internet.
- h. The next step is tracking force adjustment. Please make sure to measure it at the vinyl record level as magnetic suspension makes tracking force relative to the tonearm (headshell) height. Tracking force is adjustable by moving the counterweights. Use the hex screw to secure the counterweight position, do not use too much torque. Fine adjustment of tracing force can be done with the screw mounted at the counterweight element.
- i. Azimuth is adjustable two ways. Start with adjustment of a small screw at the bottom near the headshell. The fine adjustment can be done with counterweight, move it left or right a bit to adjust the azimuth. After the correction please verify the tracking force.
- j. Now, the anti-skate force. For such a long tonearm it is small. Adjustment can be done with the test record by turning the gold screw at the body of the tonearm base. To increase the force turn the screw clockwise. Mind the limits not to damage the suspension.



**Please note: RCA sockets are mounted to the wooden tonearm base. Do not use tight plugs. While removing the plugs be gentle and careful. Too much force can break the socket housing.**

**For experts only.**

The tonearm suspension is able to adjust the magnetic slot. That impacts tonearm rigid and can be helpful with too high or too low resonances. That adjustment can be done with the smallest hex tool by turning the screw located on the top of the tonearm case. Please verify tracking force after changing the slot.



## 5. Starting up

Once all setup steps have been completed you can start the turntable. Connect the power cord and press button at the front of the motor unit. The green led at the button indicates power supply is on. Please use strobe pattern at the platter to verify RPMs, the inner pattern is for 45RPMs the outer to 33RPMs. Use the knob on the left hand side to adjust the speed.

The best visibility of the RPM patterns are with classic bulbs, LEDs or (best) dedicated strobe lights. Halogens, modern eco-bulbs are not giving 50Hz suitable to easy set the speed. Day light does not work here.

You might notice that RPM unstable for a few working hours/days after the shipment. That is normal.

## 6. Bearing oil refill

Notice: Use the supplied oil only. If needed you can buy the additional oil refill from Zontek.

First, remove the platter then the spindle. To remove spindle, turn it anticlockwise, use thin screw driver or any other thin bar or stick.

Locate a hole on the side, below platter level – that is oil level indicator. Use small lamp and put a light on it for better visibility. If oil level is too low, refill it from the top. Right after placement of the platter a few drops of oil can leak, that is normal. Remove it from the plinth.

## 7. Bearing oil exchange with cleaning.

You should do it every two years, or, more often if the turntable is heavily used. To do it, remove the platter and the spindle. Use a pencil with a soft paper (e.g. tissue paper) to remove the oil. Put a pencil with the soft paper in the bearing for a few minutes to take out the oil. Then use Technical Alcohol on tissue paper to clean the bearing. Put in the new oil (follow the refill process described above). Put the spindle back and carefully replace the platter. Do not hit the bottom level of the bearing or damage may occur.

The RPMs could be unstable for a few working hours, oil needs to flow to the bearing while working. It is recommended not to change the oil if you are planning important presentation in the near future (like in a day or two).

*Thank you very much for your choice of the Zontek.*

*I wish you many hours of pleasant listening  
with the Turntable.*