

Thank you for purchasing the Soulines tt23 with the KiVi M3 tonearm!

Please read the content of this manual thoroughly before unpacking, assembling, connecting and/or operating the tt23 to ensure that you get the best performance and years of trouble-free service.

The tt23 record player is designed to be exceptional, easy to use and set-up, and above all to reproduce music as faithfully as possible. It is designed upon advanced solutions for our top turntable model. Differently shaped elements, precisely machined and made from the different materials like Cast Acrylic, Derlin (POM-engineering plastic) and aluminum, together form a light, yet highly rigid assembly.

Solid and light construction of the turntable assembly has an important feature of preventing the sound-damaging resonance energy to be stored in the assembly itself.

The dimensions and shape of the plinth and sub-plinth elements were optimized employing Golden Ratio and Fibonacci sequence, thus gaining uniform vibration damping and the reduction of the Moment of inertia in all three planes (along all three axes) to the center of the mass.

Main bearing is of an inverted type with stainless steel top outer cup, brass spindle sleeve and stainless steel spindle, all machined to the highest accuracy and employs Derlin thrust plate. Sub-platter is precisely machined from Derlin (POM-engineering plastic) and it is rigidly secured to the main bearing.

The platter is precisely machined from the cast Acrylic and together with the advanced main bearing ensures smooth rotation and rumble and noise free performance.

It has a 1.0mm deep recess carved on the top for the LP record's paper label, thus when LP record is placed on it, it will lay flat. If you are afraid that records will slip when placed straight onto the Acrylic platter, please use the tt Clamp included with your tt9 to firmly clamp/press the LP record onto the platter for the superior sound.

Advanced main bearing and solid aluminum arm-board are mounted directly onto the aluminum made sub-plinth which is in turn 3-point coupled (by means of rubber-cork washers of different thickness and diameters) to the main plinth made of cast Acrylic and Derlin (POM) in order to maximize the performance and minimize acoustic break through. The motor assembly machined from Derlin (POM) is rigidly mounted onto the main plinth.

The drive system is built around the same high quality DC motor used in our advanced turntable models; It's electronically controlled, providing an easy operation and fine speed adjustment feature for both speeds (if required).

The tt23 is supported by three adjustable cones machined from Derlin (POM) to allow easy leveling and optimum coupling to the surface that it sits on. Supporting cones are coupled to the main plinth by means of rubber-cork washers of different thickness and diameters, providing better vibration transmitting control.

High quality Soulines KiVi M3 tonearm is pre-mounted onto the tt9 turntable; just add the quality cartridge for an excellent vinyl LP's replaying system.

KiVi M3 tonearm mounting plan is similar to the newer Rega tonearm models (RB202, 220, 303, 330, 808, 880, 1000, 2000) with the same pivot to spindle distance of 222-224mm and center hole of 24-25mm, so if you would like to try/use any of the mentioned Rega tonearm models or Origin Live and/or Audio note tonearms, they should match the KiVi M3 arm-board, just remove the KiVi M3 arm base.

IMPORTANT! Please read before unpacking, assembling, connecting and/or operating this product!

To reduce the risks of electric shock do not remove any unit covers or panels. There are no user serviceable parts inside this product.

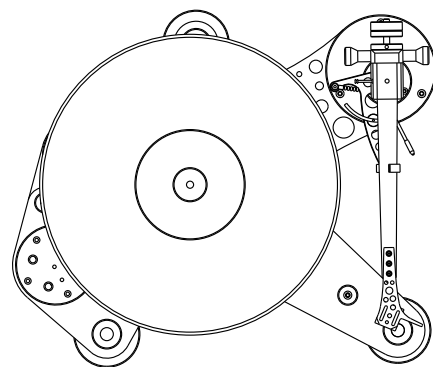
Connect the wall transformer to a power supply of the type and voltages described in the user manual or specified on the wall transformer.

Connect the record player to the power outlet only with the wall transformer supplied. Do not modify the supplied wall transformer in any way.

Do not route the wire from the wall transformer where it will be crushed, pinched, bent at severe angles, exposed to heat, or damaged in any way.

To reduce the risks of fire or electric shock do not expose the record player to moisture or water.

Do not touch the record player or wall transformer with wet hands.



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Do not allow foreign objects or liquid into the unit.

Do not attempt to loose/tighten any screws/bolts on the tt23, except the M3 bolts fixing the KiVi M3 tonearm arm base to the arm board.

Do not remove the main bearing housing or place the turntable upside-down or on the side, which could displace the main bearing housing from the spindle. This will disperse some of the oil and necessitate charging the main bearing with oil, again.

Always remove the platter before moving/transporting the tt23 turntable.

Keep the record player away from naked flames, radiators, heaters and heat registers, stoves, or any other heat-producing appliances (including amplifiers).

Do not attempt to use the tt23 below 5 degrees Celsius or above 35 degrees Celsius; It is designed for use in moderate climates.

If the record player is to be left unused for a long period of time, the wall transformer should be unplugged from the wall outlet and the belt removed.

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer to qualified servicing personnel when:

- The power supply transformer/plug or wire has been damaged
- Liquid has been spilled or objects have fallen into the product
- The product has been exposed to rain or water
- The product has been dropped or damaged in any way

GUARANTEE

There are no user-serviceable parts inside your tt23 turntable. If a fault should develop, refer any servicing to your appointed SOULINES dealer or distributor. No Dealer or Distributor may vary the terms of this guarantee, which is personal to the original Purchaser and it is not transferable. Please retain your original sales receipt, as proof of purchase.

Your SOULINES record player is guaranteed against any defect in materials and workmanship for a period of two years from the date of purchase.

This guarantee excludes:

1. Damage caused due to accident, misuse, abuse, wear and tear, neglect and incorrect installation, adjustment and/or repair.
2. Liability for damage or loss occurring in transit to or from the purchaser.
3. Consequential damage, loss or injury, arising from or in conjunction with this turntable.

Shipping cost to SOULINES shall be born by the consignor.

MAINTENANCE

The tt23 is designed for a long operational life. To preserve the appearance of your deck and maintain its performance, you should note the following points:

Make sure the stylus guard is on before you begin cleaning

Plinth – The plinth and sub-plinth are made from cast Acrylic (Plexiglass). A slightly damp lint-free cloth or soft duster is ideal for cleaning. Do not use any kind of polish or abrasive cleaning means.

Platter – The Acrylic platter can be cleaned with a soft dry lint-free cloth.

Motor – The motor pulley should be cleaned periodically to remove deposits of rubber shed by the belt. Remove the belt and gently clean the pulley grooves with a cotton swab or lint-free cloth dampened with isopropyl alcohol.

Belt – The belt should last for many years. The belt can be cleaned at the same time as the pulley. The best way to clean the belt is to pull it gently through a lint-free cloth dampened with isopropyl alcohol. If the record player is not going to be used for a long period of time, it is advisable to remove the belt from the record player and store it in its poly bag.

Main bearing/Oil – The main bearing is already charged with correct type of oil and it is important that the main bearing housing is not removed from the spindle. This will disperse some of the oil and necessitate charging the main bearing with oil again. If that happens recharge with a few drops of Mobil 1 or other full synthetic (motor) oil.

UNPACKING / ASSEMBLY

The tt23 turntable is supplied partially disassembled and carefully packaged for safe transport. Please store all the packaging material for future use. To assemble the turntable, please follow the instructions carefully.

1. On the top of the box you will find the SA Cover, Acrylic dust cover, as it is shown at the right; Please remove the SA Cover.

2. Underneath the SA Cover packing you will find two accessories compartments holding the Soulines tt Clamp, the record clamp, 3 Acrylic pucks with the rubber-cork pads bonded at the bottom and the turntable PSU, the DC wall adaptor. Please remove all the accessories from their compartments, and their packing block.

3. Carefully remove the packing block (3), lifting it straight up and taking care not to damage the KiVi M3 tonearm. Please note that the packing block (3) sits tight over the main bearing.

4. Once the packing block (3) is removed you can take the turntable from the box. Please lift the turntable from the carton carefully handling it by its front and rear side and place it on the previously leveled shelf/rack/stand. Be careful with the signal cable (if it is fitted) coming out underneath the tone arm, and short wire with the DC barrel plug coming out underneath the motor assembly.

5. Take out the turntable block (4) from the carton. The platter and the KiVi M3 tonearm accessories are packed underneath, at the bottom of the box.

6. Position the tt23 on the previously leveled shelf/rack; Place 3 Acrylic pucks under the tt23's feet; on every Acrylic puck there is a conical hole on the top where the tt23's conical feet should fit in.

7. Please take the DC wall adaptor and plug the small female end of the wall transformer wire into the male receptacle mounted on the short wire coming underneath the motor assembly. Do not plug a wall transformer to the power outlet until you unpack, assemble and set-up the turntable completely.

8. Plug the interconnect cable from the turntable/tone-arm to phono input on your pre-amplifier/ integrated amplifier/ receiver (switch off the amplifier before), matching white (left channel) to white (black on some amplifiers) and red (right channel) to red; connect the ground wire as well.

9. Position the tt23 in its final position on the shelf/rack, moving it together with the Acrylic pucks; Install the drive belt by looping it around the outer rim of the sub-platter and around the motor pulley. The drive belt is best fitted by carefully placing (looping) it around the sub-platter, starting diagonally opposite the motor pulley, then gently stretching and placing around the motor pulley.

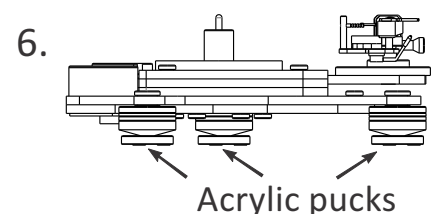
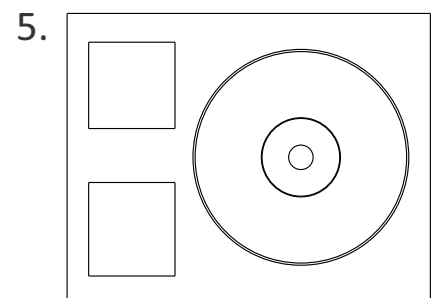
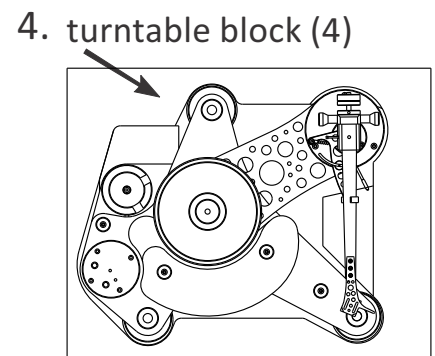
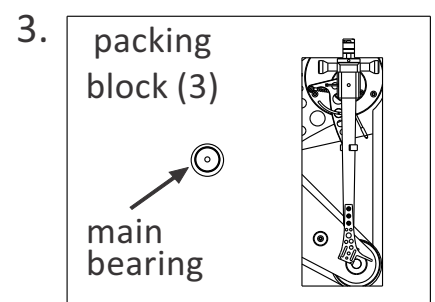
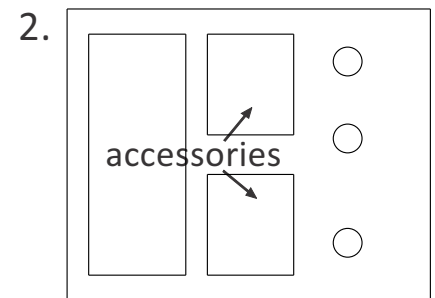
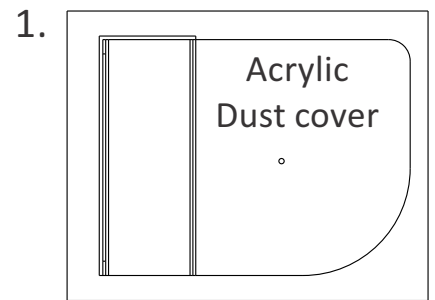
10. Remove the platter from the box, carefully center it over the main bearing and gently lower it until it fits/ rests securely on the main bearing and sub-platter.

11. Place the spirit level on the platter and fine level the turntable, adjusting the two front and a rear adjustable cone feet.

12. Once the tt23 is placed in its final position on the shelf/rack and fine leveled, please mount the cartridge and set-up the KiVi M3 tonearm.

For the **cartridge** mounting and **KiVi M3 tonearm setting** please refer to the **KiVi M3 tonearm user manual**, which is included.

Congratulations, your tt23 with the KiVi M3 tonearm is ready to PLAY!



OPERATION

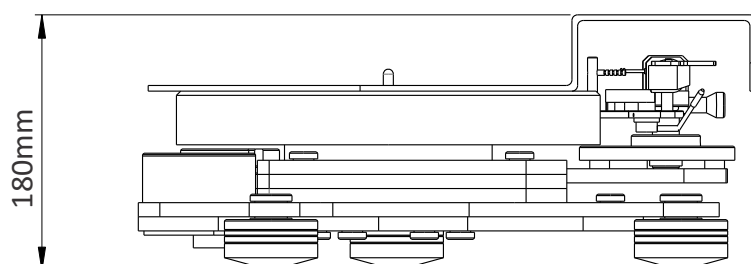
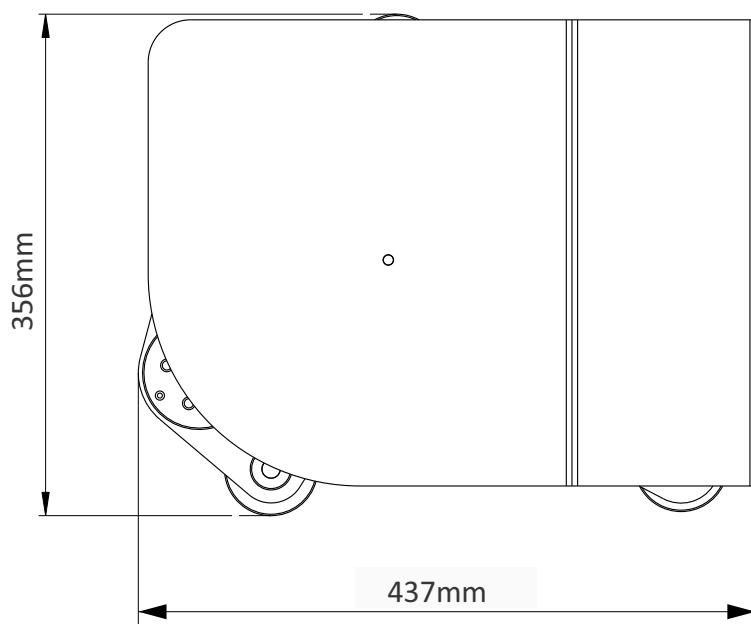
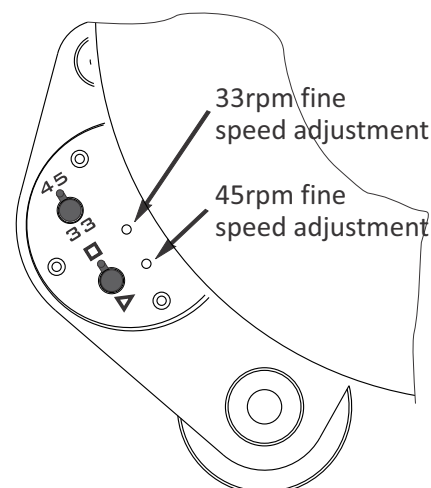
Place a record on the platter and switch the play/stop switch to the 'play' position. The platter speed will stabilize within few seconds. The reason for relatively slow start-up time is high rotating mass of the platter, which provides excellent speed stability.

Remove the stylus guard and lift up the tone arm with the cueing lever. Position the cartridge stylus tip above the initial groove of the record. Gently lower the cueing lever to lower the cartridge stylus tip onto the record and enjoy the music from your tt23/KiVi M3 combination.

To stop play, lift the cueing lever to raise the tone arm and then move the arm back to the tone arm rest. Switch the play/stop switch to the 'stop' position.

To play 45rpm records, flip the 33/45 switch to the '45' position. Place a record on the platter and switch the play/stop switch to the 'play' position. Speed can be changed while record is playing.

The platter speed can be fine adjusted by rotating two trimmers, one for 33rpm, and the other one for 45rpm, as it is showed at the right. Please provide a fine flat screwdriver to fine adjust speed trimmers.



Included in the package:

- tt23 turntable with the KiVi M3 tonearm pre-mounted
- DC wall adaptor
- flat rubber belt
- dust cover, the SA Cover, an Acrylic (Plexiglass) made dust cover
- record clamp, the tt Clamp
- cartridge protractor alignment tool precisely printed on 300gr paper including Baerwald, Lofgren and Stevenson protractors
- 3 Acrylic (Plexiglass) pucks with the rubber-cork pads bonded at the bottom
- precision digital cartridge scale
- KiVi M3 tonearm counterweights set (4 different counterweights)
- KiVi M3 tonearm anti-skating weight
- KiVi M3 tonearm tool set

POWER SUPPLY

- ☐ 220-240 Vac/50Hz
☐ 90-240 Vac/50-60Hz

Serial No:

DC INPUT: 12V / max 500mA