



TITAN II User manual





DEAR CUSTOMER

Delta Audio is proud to welcome you in the world of highest engineering standards and guides you in a new level of performance to the turntables at this price range.

Titan I is the outcome of 2 years development and It is a first turntable in Delta audio products range. Designed for the reproduction of natural music in conjunction of safe operation, perfect long-time stability and we are sure it will accompany you with musical pleasure for many years.

Thank you for selecting DELTA audio Titan II turntable




Declaration of conformity 

Table of contents

1.	Installation	3
2.	Speed calibration	4
3.	Operation	5
4.	Armboard	6
5.	Tonearm installation	7
6.	Clamp & Hybrid bearing	7
7.	Maintenance	8
8.	Technical data	8

1. Installation

Place first the chassis on a clean and soft surface. Please pay attention, that the turntable has been correctly adjusted in horizontal and vertical level. The three regulating feet A1-A3 will help you with this by using a spirit level. Then tight the disk-nut as shown in the fig.4.

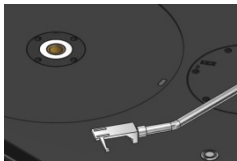
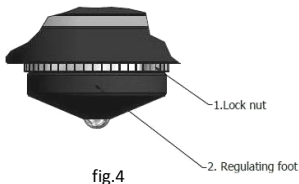


fig.4a

With the syringe insert the specified amount of oil within the bearing and placed the ball. Unpack and place the platter carefully on the bearing which is mounted in the turntable chassis, fig.4a below. Important notice: Please behave gently during the platter placement at the bearing, because too much pressure will cause problem at the bearing housing. Place first the belt on the platter and then on pulley.

Connect the power supply chassis to the Delta Audio turntable chassis with the umbilical cable which is provided, as shown in the fig.5 below.

From power's supply output plug to the input plug on the turntable. Connect the power cord to the main wall plug or to the power distributor.

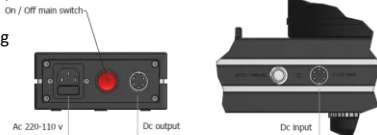


fig.5

2. Speed calibration

1. Set the AUTO/MANUAL switch to MANUAL which is placed on the rear side of the turntable. Fig.6
2. Push the selection speed 33 button (for regulating speed 33 rpm) or 45 (for regulating the speed 45 rpm) for more than ten seconds to enter to the set-up process speed. In this mode the indicator light is blinking, Fig.6
3. Press momentarily on the following button 33 rpm, repeatedly to increase the speed (+).
4. Press momentarily on the following button 45 rpm, repeatedly to decrease the speed (-).
5. Until it is set. (In this mode we use a strobe disc).
6. Then press the 33 button (or 45 for regulating the speed 45 rpm) until the indicator stops flashing to save the setting speed.
7. Set the AUTO/MANUAL switch to AUTO.
8. In AUTO position the speed is automatically controlled at real time with micro sensor under the platter, starting from the speed which is saved in manual position.

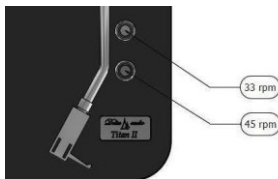
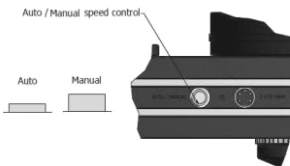


fig.6

3. Manual speed Operation

1. The turntable is ready to operate after turning ON the main switch at the back side of the transformer, as shown in the fig.5
2. **Set Auto/Manual** switch which is positioned at the rear side of turntable in Manual position, as shown in the fig.7
3. **Start** by pressing the button 33 or 45 rpm, in this mode the indicator light illuminates steadily.
4. **Stop** by pressing and hold the same button.
As shown in the fig. 7a below.

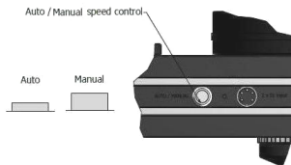


fig.7

3a. Auto speed Operation

1. **Set Auto/Manual** switch which is positioned at the rear side of turntable in Auto position, as shown in the fig.7 ,
2. **Start** by pressing the button 33 or 45 rpm. In this mode the indicator light flashes when the speed is not accurate, and remains on steady when corrected. (**This can occur momentarily several times, depending on the circumstances, and shows deviations even 0.1%**).
3. **Stop** by pressing momentarily the same button.

As shown in the fig. 7a below.

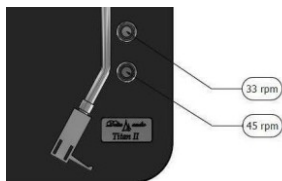


fig.7a

4. Armboard

DELTA audio has designed and developed inhouse an armboard which consists of two plates, main and second, in cooperation, that has all the features to make the installation easy for any tonearm between 9 -12 in.

The second plate has also significant importance due to its flexibility to perform fine-tuning to the PSD dimension (plus or minus 10 millimeters) while the tonearm is already installed , through the 4 tightening screws and always on the same axis.
Detail "A" in fig. 8

The specific combination which already installed on the turntable, as shown in the fig. 8a is ready to accompany the Jelco SA 750L (12 in) tonearm and is included in the package, please follow the manufacturer's instructions for its right placement on

* **On demand** we prepare the armboard to accommodate any tonearm (208-305 PSD) available in the market.

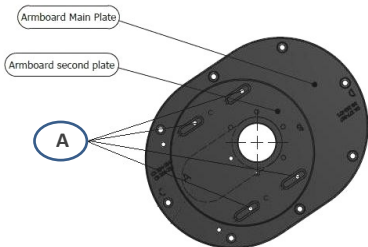


fig.8

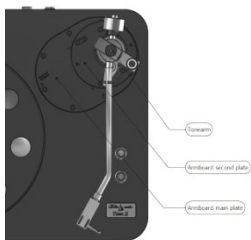


fig.8a

5. Tonearm installation

It may be custom delivered with a commercially - available tonearm of your choice, between 208-305 PSD, which can be easily placed on the innovated armboard. Just select a fitting combination (they are provided 4) as shown in the figure below 8b, which gives you the required PSD of the tonearm you want to place.

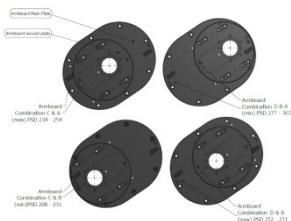


fig.8b

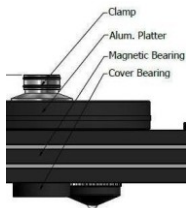


fig.9

6. Clamp & Hybrid bearing

The magnetic nature of the bearing reduces the friction and the weight of the stainless steel shaft is transferred to the walls (bronze sleeves), resulting in much smoother rotation with the least possible torque, like the platter floats.

The conventional side is evident in the Clamp, whose designated weight both stabilizes the vinyl disk on the surface and, in addition, puts optimal pressure to the shaft so that it contacts the ceramic ball.



7. Maintenance & Special instructions

Please fill out the enclosed warranty card and return it to Delta Audio or to your local distributor / dealer. During any transportation of the turntable, always remove the platter. If this is not done, **DAMAGE COULD OCCUR!**

Please regularly check for main leads of your turntable & transformer assembly. If there is any damage to any wire or the main's plug, have them replaced immediately by a qualified person (your dealer or distributor), or Delta Audio directly. We will inform you about your nearest service location .

Make sure that you keep all the parts of the original packaging as they are necessary in case of transportation.

* To clean the turntable, use only special silicone cleaner, which is not alcohol based. Otherwise you could damage the surface material.

8. Technical Data

Construction type:	Massive layered chassis various damping, low resonance. Belt drive
Platter bearing:	Hybrid (Magnetic & Conventional with ceramic ball)
Clamp:	Record Clamp 730 gr. with spirit level
Platter:	Aluminium, with high purity surface (Mass 8,7 Kg)
Power Supply	Separate power supply 230 Ac Volt – 9Volt
Drive unit:	Dc motor with amplifier
Speeds:	33 rpm / 45 rpm
Speed variation:	± 0,1 % with manual or auto control
Weight:	Approx. 47 Kg (depend on the equipment)
Dimensions:	520 mm x 395 mm x 185 mm
Warranty:	5 Years