



# INSTRUCTIONS FOR USE

## Pro-Ject T2

Dear Music Lover,

Congratulations and thank you for choosing Pro-Ject Audio Systems record player.

Your T2 turntable has been handcrafted and rigorously tested by skilled technicians to give you years of enjoyable, trouble-free service.

If you require additional assistance, please contact your dealer.

### **Important:**

Your turntable was shipped partially disassembled to avoid damage to sensitive parts. Please check immediately to ensure that neither the packaging nor the device was damaged in transit. If you are missing parts or if the unit is damaged, please do not operate it and contact your dealer.

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Please do your part to help protect the environment:

### **Disposal of packaging material:**

Pro-Ject packaging is carefully designed to protect your component from damage during transit, and you are strongly urged to keep the original packaging to safely ship or otherwise transport your turntable in the future. However, the packaging materials were chosen to be environmentally friendly, so if you must discard the packaging, please recycle it.

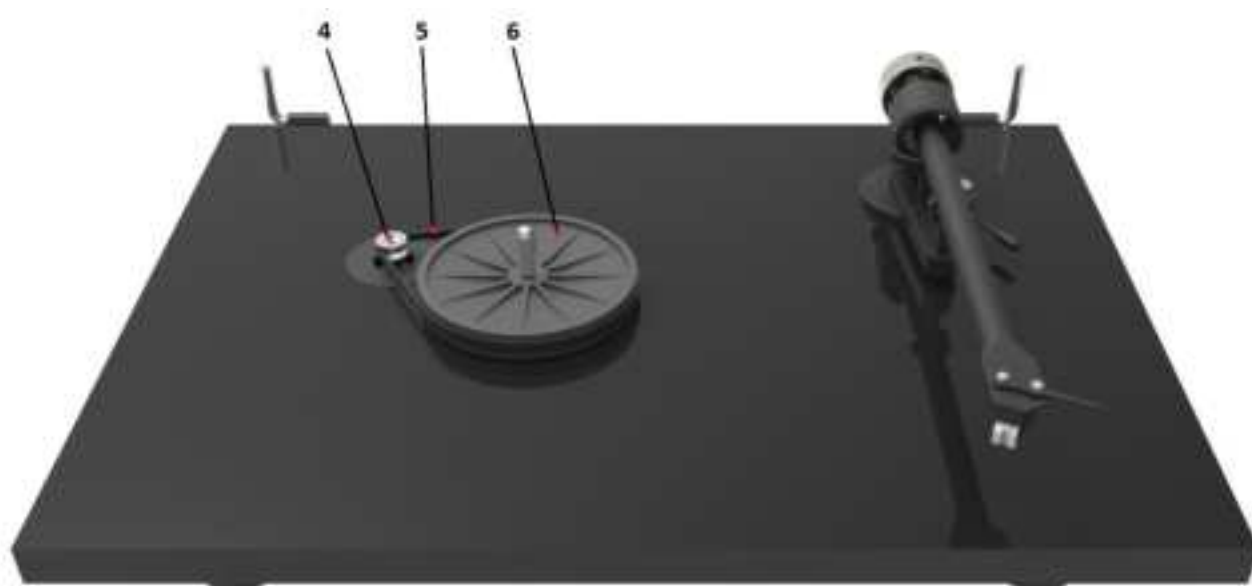
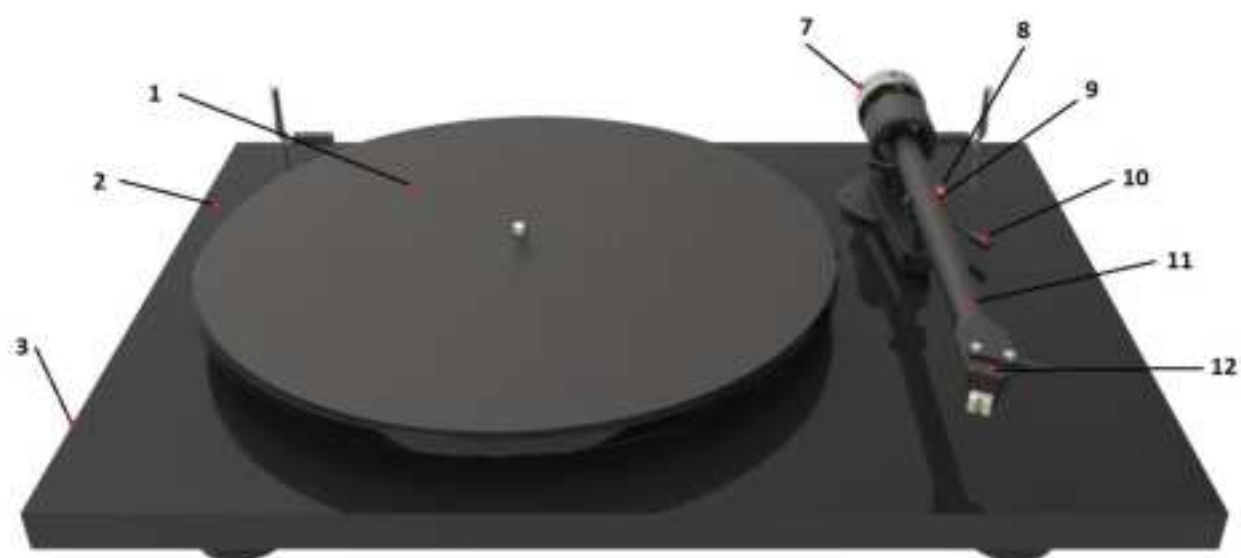
# GENERAL INFORMATION

## Controls, features and connections

- 1 PLATTER & FELT MAT
- 2 CHASSIS
- 3 SPEED CONTROL BUTTON
- 4 MOTOR WITH PULLEY
- 5 DRIVE BELT
- 6 SUB-PLATTER
- 7 TONEARM COUNTERWEIGHT
- 8 ANTI-SKATING ADJUSTMENT SCREW WITH SCALE
- 9 TONEARM REST / REMOVABLE TRANSPORT LOCK
- 10 TONEARM LIFT LEVER
- 11 TONEARM TUBE
- 12 HEADSHELL WITH FINGER LIFT AND PRE-MOUNTED CARTRIDGE
- 13 LID
- 14 LID HINGES
- 15 HINGE FASTENERS
- 16 POWER SUPPLY SOCKET
- 17 RCA OUTPUT BOX

## Accessories

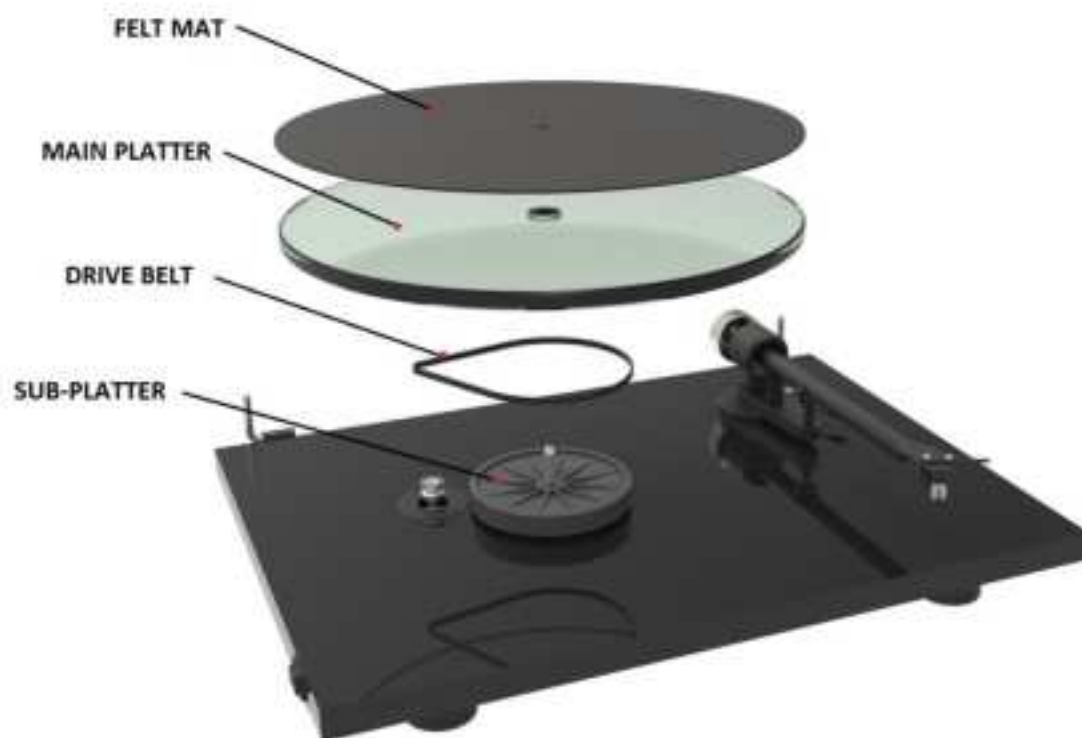
- 1 SINGLE ADAPTOR
- 2 ALLEN KEY 1,5mm
- 3 COUNTERWEIGHT no. 105 (FOR CARTRIDGE WEIGHT 5 – 11.5g)
- 4 TWO-POINT CARTRIDGE ALIGNMENT PROTRACTOR
- 5 CONNECTION CABLE (CONNECT IT E RCA)
- 6 SETUP GUIDE
- 7 UNIVERSAL POWER SUPPLY



## SETUP

### 1. Platter and drive belt installation

Please remove drive belt from accessories box and install it as shown in the following illustration. Put the felt mat on the top of the platter.



### 2. Cartridge installation, stylus exchange

\* If you purchased this turntable in a package that included the cartridge, this has already been done for you.

Install the cartridge into the aluminium headshell, using the appropriate hardware included with your cartridge. All cartridges with half inch mounting holes can be fitted.

Connect the cartridge as indicated below:

- White                left channel L+
- Red                 right channel R+
- Green              right channel R-
- Blue                left channel L-

For correct cartridge alignment, use the two-point cartridge alignment protractor provided with your T2 accessories. If unfamiliar with two-point setup, please refer to your dealer.

A damaged or worn stylus may harm your record collection and should be replaced.

Please remove stylus protection before pulling the stylus from the cartridge and replace for a new one.

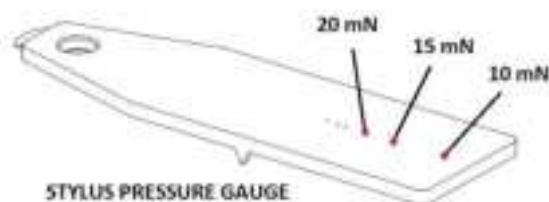
Stylus type is exchange for pre-mounted cartridge Sumiko Rainier: Stylus Sumiko Rainier. If in doubt, consult your local dealer or distributor.

### 3. Vertical Tracking Force setting (VTF)

The T2 Super Phono comes with the counterweight already assembled on the tonearm, and the tracking force is factory pre-adjusted.

To adjust or fine tune the tracking force manually, loosen the hexagonal screw on top of the counterweight (7) using the allen key provided. Remove the stylus protection cover and place the stylus pressure gauge onto the platter. To set the required VTF, lower the tonearm lift lever (10) as indicated in the illustration and place the tip of the stylus on one of the points on the scale. For example, the Sumiko Rainier requires **20mN** of tracking force, so place the stylus on the 20mN point.

If the stylus gauge becomes level when the tonearm is lowered down onto the desired point, then the correct pressure has been achieved. However, if there is insufficient or excessive pressure, the gauge will either not move or tilt down.



To adjust the amount of pressure, carefully move the counterweight (7) along the support rod, until the stylus pressure is sufficient to raise the pressure gauge to the level position. Moving the counterweight (7) away from the cartridge will reduce pressure and towards will increase pressure. Finally secure the counterweight (7) using hexagonal key provided.



### 4. Maintenance and cleaning

Your record player requires little or no regular maintenance. Remove dust with a slightly moistened antistatic cloth. Never use a dry cloth because this will create static electricity which attract more dust! Antistatic cleaning fluids are available at specialist stores but must be applied sparingly to avoid damage to rubber parts. It is recommended to fit the needle cover before cleaning or maintenance is carried out to avoid damage.

If the player is not used over a long period of time the drive belt can be removed to prevent unequal stretching.

### 5. Switching on and off, changing replay speed

The turntable is equipped with a three-position switch for ON/OFF and electronic speed change. To play records at 33 rpm. press this switch (3) to the rear side. To play records at 45 rpm. press this switch (3) to the front side as shown on illustration below.



## 6. Anti-skating

The anti-skating force is pre-adjusted from the factory corresponding to the tracking force. Sumiko Rainier recommended tracking force 20mN = anti-skating set to 2 (middle position). You can adjust the anti-skating by rotating the anti-skating setting screw to the left or right.



Anti-skating setting screw



## 7. Connection to the amplifier

Connect the tonearm cables to the Phono input (sometimes labelled gram, disc, or RIAA) on your amplifier. Ensure that the phono input offers the correct matching and amplification for the type of cartridge used. Line inputs (such as CD, Tuner, Tape, or Video) are not suitable. Be sure to connect the left and right channels correctly. The right channel is usually marked red, and the left channel is black or white. Check the manual supplied with your amplifier for relevant information. An earthing wire may be connected to the screw terminal on your amplifier if you encounter hum problems when using the record player. If your amplifier does not have an input suitable for phono cartridges, you will require a separate phono amplifier stage for MM or MC cartridges, which is then connected between the record player and a free line level input on the amplifier.

For detailed product information regarding Pro-Ject Audio interconnect cables and phono amplifiers, please refer to the Pro-Ject website at [www.project-audio.com](http://www.project-audio.com).



*The recommended load impedance for the factory fitted cartridge is: **47kohms/MM-input***

## Technical specifications Pro-Ject T2 / Pro-Ject 9''

Nominal speeds	33/45 r.p.m.
Speed variance	33: $\pm 0.60\%$ 45: $\pm 0.50\%$
Wow and flutter	33: $\pm 0.19\%$ 45: $\pm 0.17\%$
Signal to noise	-67dB
Effective tonearm mass	9.5g
Effective tonearm length	9" (230mm)
Overhang	22 mm
Power consumption	4.5W
Power input	15V/ 0.8 A DC, universal power supply
Dimensions (W x H x D)	457 x 134 x 335mm
Weight	5.5kg
Dimensions packaging (W x H x D)	542 x 300 x 412mm
Weight incl. packaging	8.5kg

## Technical specifications MM-Cartridge Sumiko Rainier

Frequency range	15-25.000Hz
Channel separation	25dB/1kHz
Output voltage	5mV
Recommended load impedance	47kohms/amplifier connection – MM-input
Compliance/stylus type	10 $\times$ 10-6cm/dyn @ 100Hz– elliptical
Recommended tracking force	20mN
Capacitance	100pF – 200pF
Weight	6.5g



## Potential incorrect use and fault conditions

Pro-Ject turntables are manufactured to the highest standards and undergo strict quality controls before leaving the factory. Faults that may possibly occur are not necessarily due to material or production faults but can sometimes be caused by incorrect use or unfortunate circumstances. Therefore, the following list of common fault symptoms is included.

### The platter doesn't turn although the unit is switched on:

- The unit is not connected to the mains power supply.
- No mains at the socket.
- Drive belt is not fitted or has slipped off.

### No signal through one or other channel or both channels:

- No signal contact from the cartridge to the internal tonearm wiring or from that to the arm lead or from that to the phono box or between that and the amplifier. This could be due to a faulty plug, broken wire or solder joint or simply loose plug/socket connection.
- Correct input not selected at amplifier.
- Amplifier is not switched on.
- Amplifier or speakers are defective or muted.
- No connection to the loudspeakers.

### Distorted or inconsistent sound from one or both channels:

- Record player is connected to wrong input of amplifier.
- Needle or cantilever damaged.
- Wrong r.p.m., drive belt overstretched or dirty, platter bearing without oil, dirty or damaged.

## Service

Should you encounter a problem which you are not able to alleviate or identify despite the above information, please contact your dealer for further advice. Only when the problem cannot be resolved there should the unit be sent to the responsible distributor in your country.

Guarantee repairs will only be affected if the unit is returned correctly packaged. For this reason, we recommend keeping the original packaging.

Never return a record player without making sure that it is safely disassembled and correctly packaged in the original packaging according to the diagrams on the last page of this user guide. Please remove these parts and pack them separately: lid, counterweight, anti-skating weight and belt.

Fit the cartridge protection cap and the transport lock for the tonearm tube, prior to carefully packaging the record player.

## Warranty



*The manufacturer accepts no responsibility for damage caused by not adhering to these instructions for use and/or by transportation without the original packaging. Modification or change to any part of the product by unauthorized persons, release the manufacturer from any liability over and above the lawful rights of the customer.*

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The information was correct at the time of going to press. The manufacturer reserves the right to make changes to the technical specification without prior notice as deemed necessary to uphold the ongoing process of technical development.

## Declaration of Conformity

We, **SEV Litovel, s r.o.**

Palackého 1160/34

78401 Litovel

Czech Republic

(manufacturer)

and

**Pro-Ject Audio Systems** a division of Audio Tuning GmbH

Margaretenstrasse 98

1050 Vienna,

Austria

(distributor)

declare under our responsibility that the product is in conformity with the provisions of Directives:

2014/35/EU including amendments

2014/30/EU including amendments

2014/53/EU including amendments

The following harmonised standards were applied:

Health: EN62479:2010

Safety: EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013, EN62368-1:2014/A11:2017,  
EN61558-1:2005/A1:2009, EN61558-2-16:2009/A1:2013

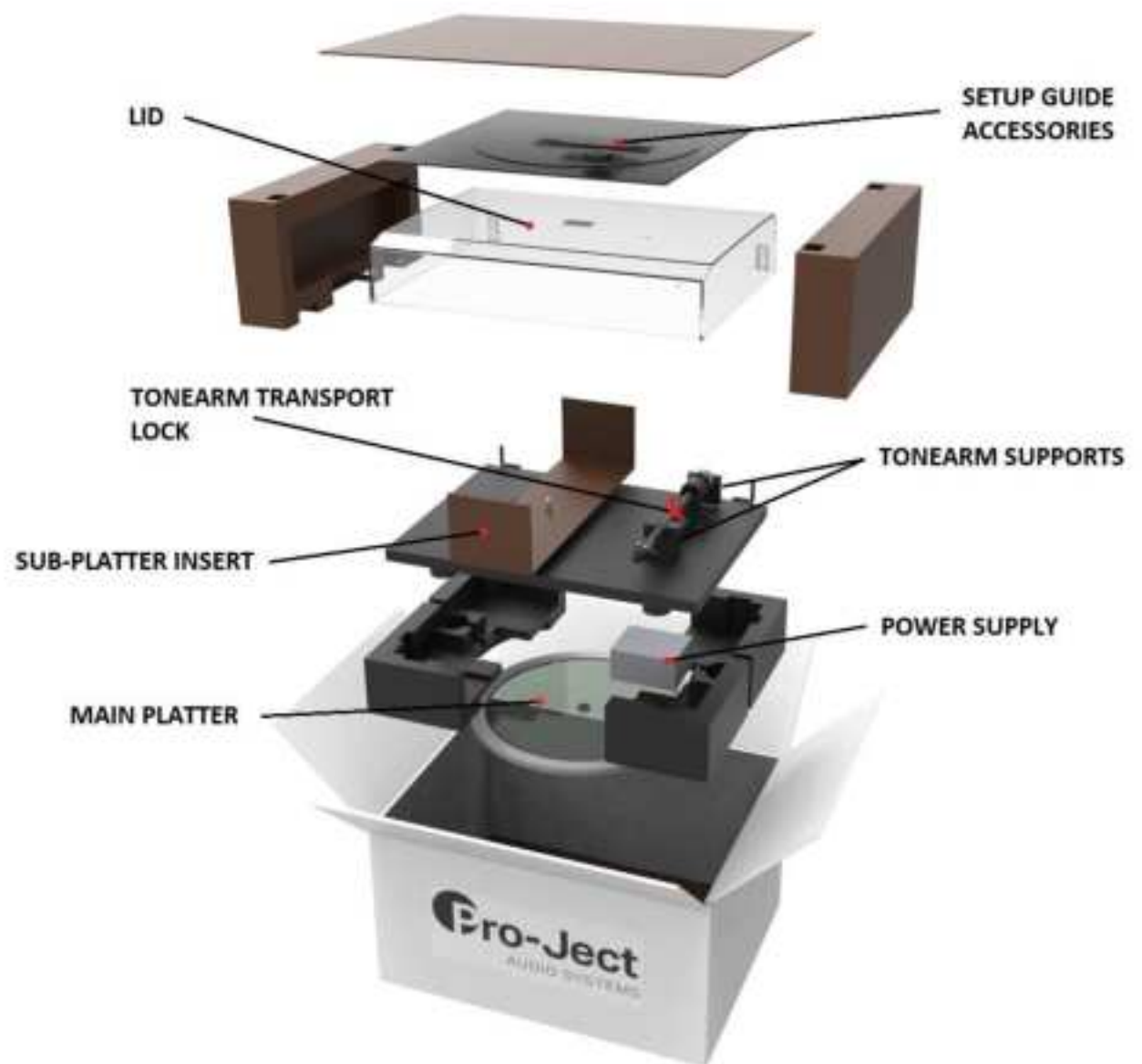
EMC: EN301489-1 V2.2.0: 2017-03, EN301489-17 V3.2.0:2017-03, EN55032:2015, EN55035:2017,  
EN61000-3-2:2014, EN61000-3-3:2013

Radio Spectrum: EN300328 V2.1.1 (2016-11)

**Pro-Ject Audio Systems** a division of Audio Tuning GmbH

1050 Vienna, Austria, Margaretenstrasse 98

info@project-audio.com





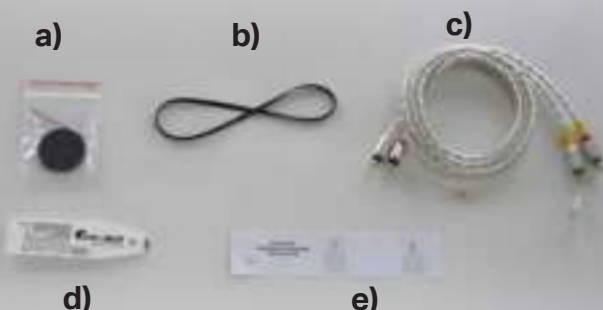
## T2 | Setup Guide

### Getting started:

- Make sure to have enough space to unpack your turntable.
- Always unpack and set up in a clean environment.
- **Please Do NOT throw away the packaging!**  
If you need service or want to return your product, please send it in the original packaging including all inserts. In case of damage due to alternative packaging your dealer cannot guarantee a full refund.
- Full manual: [www.project-audio.com/en/product/t2](http://www.project-audio.com/en/product/t2)

#### 1 Unpack all items from the accessory bag.

- a) Single adapter
- b) Drive belt
- c) Connect it E cable
- d) Gauge
- e) Alignment tool



#### 2 Remove the dustcover.



#### 3 Remove the turntable from the box.



#### 4 Unpack the power supply unit.



#### 5 Unpack glass-platter and felt mat from the bottom of the carton.



#### 6 Remove the protective cloth.



#### 7 Put the drive belt over the sub-platter.



#### 8 Put the glass platter on the turntable.



#### 9 Put the felt mat on the platter.



#### 10 Remove tonearm and counterweight protection inlays.



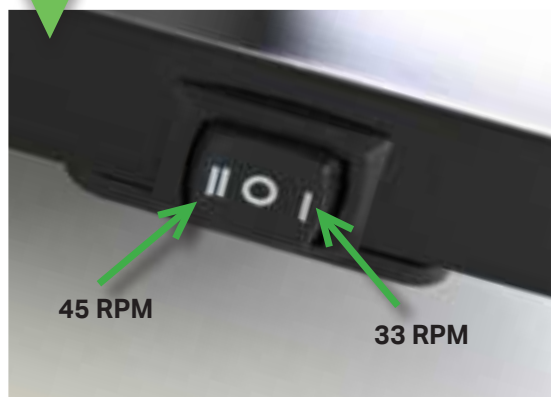
#### 11 Remove the red tonearm security tape.



#### 12 Connect to your stereo system.



#### 13 Select the playback speed.



#### 14 Have fun with music!







**Need help?**  
Feel free to contact us. We have experienced  
partners all over the world. Find your dealer here:  
[www.project-audio.com/en/find-a-dealer/](http://www.project-audio.com/en/find-a-dealer/)

**Service**  
Should you encounter a problem which you are not able to alleviate or identify despite the above information, please contact your dealer for further advice. Only when the problem cannot be resolved there should the unit be sent to the responsible distributor in your country. Warranty repairs will only be affected if the unit is returned correctly packaged. For this reason we recommend keeping the original packaging. Never return a record player without making sure that is it safely disassembled and correctly packaged in the original packaging according to the diagrams on the last page of this user guide. Please remove these parts and pack them separately: lid, counterweight, anti-skating weight and belt. Fit the cartridge protection cap and the transport lock for the tonearm tube, prior to carefully packaging the record player.

**Warranty**  
The manufacturer accepts no responsibility for damage caused by not adhering to these instructions for use and/or by transportation without the original packaging. Modification or change to any part of the product by unauthorized persons, release the manufacturer from any liability over and above the lawful rights of the customer.

**Warranty: Terms and Conditions**

- A warranty is valid only for products purchased from an authorized Pro-Ject Audio Systems retailer or dealer.
- This warranty offer is limited to the repair of the equipment (which could be a repair or replacement at our discretion, neither of which affects your original warranty).
- Neither transportation or any other costs, nor any risk for removal, transportation and installation of products is covered by this warranty.
- A warranty is only valid for the original owner. It is not transferable.
- To validate your warranty, you will need to provide the original sales invoice or other proof of ownership and date of purchase.
- Warranty must be claimed within two years of purchase from an authorized dealer. After this period of time, the warranty will expire.
- The legal warranty obligation exists in addition to this warranty and is not limited by this warranty.

A Pro-Ject Audio Systems warranty relates to claims of defects in materials and/or workmanship at the time of purchase. It does not cover:

- Deterioration of component parts, the nature of which is to become worn or depleted with use, such as batteries and headphone ear pads, drive belts and cartridges.
- Damages caused by incorrect installation, connection or packing.
- Damages caused by any use other than the correct use described in the user manual, negligence, modifications, or use of parts that are not made or authorized by Pro-Ject Audio Systems.
- Damages caused by faulty or unsuitable ancillary equipment.
- Damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of Pro-Ject Audio Systems and its appointed distributors.
- Products where the serial number has been altered, deleted, removed or made illegible.
- Repairs or modifications that have been executed by an unauthorized person.

**Commercial Use**  
Faults caused due to using domestic products in commercial environments or on commercial scales are not covered by warranty. This turntable is intended for domestic use only. Using them for business applications are done so at your own risk.

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# T2

## Audiophile Entry Level Turntable

MSRP 550 € (incl. VAT)

Walnut: 

Satin White: 

High-Gloss Black: 

- **NEW** 9" highly precise and light aluminium tonearm
- **NEW** Spring based anti-skating system
- **NEW** Counterweight with nickel finish
- **NEW** larger chassis for higher stability
- **NEW** Preadjusted Sumiko Rainier (MSRP 175€)
- **NEW** 10mm, 1,7kg zero-resonance glass platter
- **NEW** Speed control with electronic speed switch
- One-piece tonearm with integrated headshell
- Belt-driven
- No hollow spaces for optimal sonic performance
- Vibration absorbing feet
- Semi-symmetrical phono cable with metal connectors
- Acrylic dustcover with adjustable hinges
- Available in high gloss Black, satin White and Walnut
- Handmade in Europe

**Speed:** 33,45 RPM (electronic speed change)

**Principle:** Belt drive

**Speed variance:** 33: 0,6% 45: 0,5%

**Wow & Flutter:** 33: 0,19% 45: 0,17%

**Platter:** 10mm thick, 1,7kg heavy glass platter with felt mat

**Main bearing:** Stainless steel/brass

**Signal to noise:** 67dB

**Tonearm:** 9" aluminium

**Effective arm length:** 230 mm

**Overhang:** 22.0 mm

**Effective tonearm mass:** 9.5 g

**Included accessories:** dustcover, feltmat, singles adapter, power supply, RCA cable

**Power Supply:** 15V / 800 mA DC, universal power supply

**Power consumption:** 4,5 W / 0 W in Stand-By

**Dimensions:** 542 x 300 x 412mm (WxHxD)

**Weight:** 5,5 kg net



## T2: A New Modern Marvel

The T2 sensibly enhances our critically acclaimed T1 formula, introducing many new audiophile features, setting new standards in its new price-range.

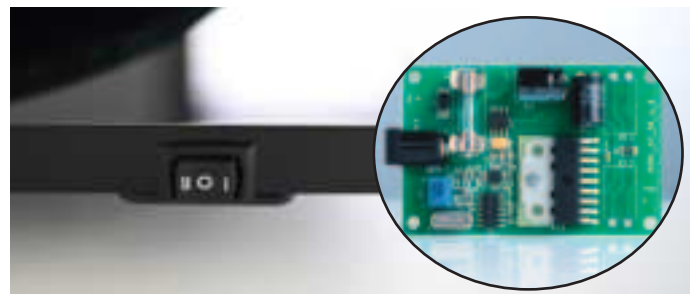
### Highest Quality Materials

The elegantly crafted **CNC-machined plinth** has been **expanded in size to enhance stability** and is available in striking finishes such as **High Gloss Black, Satin White, or Walnut**. It boasts a **construction free of plastic** components and meticulous manufacturing that **eliminates any hollow spaces** within, effectively **preventing unwanted vibrations** within the chassis. Furthermore, the glass platter in the T2 has been made heavier and thicker compared to its predecessor, ensuring a **zero-resonance design** that effectively eliminates the shortcomings associated with plastic or lightweight steel alternatives. Complementing these improvements, purpose-selected turntable feet **effectively isolate** the T2 from ambient vibrations present in the vicinity of your hi-fi system.



### New Tonearm & Anti-Skating

The tonearm on the T2 has been improved with a **longer arm tube**. With its straight, **9" effective length and stiff aluminium construction**, this **one-piece tonearm** also features **new updated low-friction bearings** to accommodate the increased length and diameter for absolute accuracy in use. Besides the clean and stylish looks, the **integrated headshell** won't cause any additional vibrations either, and is a **big improvement over other detachable, screwed-on or glued-on headshells!** The T2 also comes brand new with an adjustable **spring-based anti-skating** mechanism that optimizes performance and extracts the utmost potential from your cartridge.



### Speed Control, Motor and Drive

The motor and drive system in the T2 remain identical to those found in the T1. The motor drives a belt system, connected to our newly designed sub-platter exclusive to the T-line. This sub-platter is mounted on an **ultra-precise 0.001mm main bearing** with a **hardened steel axle and brass bushing**. Where most alternative products may use un-regulated DC motors with wide speed fluctuations, the **T2 features our proven system of an electronically regulated, precision-speed AC motor**. The T2 also comes with **electronic speed switching** between 33 and 45 RPM. The result is a low-noise, stable drive system for the turntable.

## Sumiko Rainier MM cartridge

The T2 comes preadjusted with a **high-value Sumiko Rainier MM cartridge** (MSRP 175€) featuring an **elliptical diamond stylus tip**; this is a true hi-fi playback system with no corners cut.



## Semi-balanced phono cable

Like the T1, the T2 is then finished with **super shielded, semi-symmetrical, low-capacitance phono cables, purpose-designed by Pro-Ject** – not off-the shelf RCA cables. There is also a **dust cover** for extra protection and a felt mat to protect your records.



## The True Balanced Upgrade

The T2 has **gold plated RCA outputs** with completely **symmetrical signal wiring**, like any other Pro-Ject turntable with phono RCA outputs too. This means by **upgrading to a MC cartridge** or our **Pick it PRO Balanced** - our specially designed balanced MM cartridge - and using one of our **balanced phono stages**, like the **Phono Box S3 B or DS3 B**, with one of our **True Balanced cables**, you can leverage all the advantages our True Balanced Connection has to offer. **Less noise, more dynamics, clean and punchy transients** and simply a **deeper musical involvement**. The new 9" tonearm and adjustable anti-skating make the T2 play perfectly with a wide range of high-end MC cartridges.

