

# **THORENS**

Instruction Manual

## **TD 800 Series**

Dear Thorens customer, many thanks for your confidence into our product, the record player of the 800 Series. With the purchase of your record player you acquired a precision instrument for the playback of records. To make him sound perfect there is some attention necessary for setup and handling. The manufacturing of this drive and the assembly takes place completely in Germany at the highest engineering standards - this still guarantees highest quality after years. Understandably you want to start as immediately as possible with listening to music. We ask you however: Please read this guidance before the first use attentively, so that you can use the drive optimally. We tried to put all the necessary information into this manual. If you should have still questions, which are not answered here, then you contact us directly at [www.Thorens.ch](http://www.Thorens.ch) or with e-mail: [technik@Thorens.ch](mailto:technik@Thorens.ch).

Your team of Thorens

### Conformity Declaration

We acknowledge the fact that the device belongs to this instruction manual corresponds to valid EEC guidelines at the time of printing for the acquisition of the CE-Sign. All the necessary checks were made with positive result.

### Warranty

Thorens manufacturer warranty. We commit ourselves to replace incorrect sections of this device free of charge if it should fail within the guarantee period. The warranty amounts 2 year s for the turntable, counted starting from the purchase date. The terms of the warranty are valid only if within 4 weeks the enclosed warranty card is transmitted or sended and filled out to Thorens. If this should not occur, the warranty is 12 months. The manufacturer warranty going beyond the legal warranty duration of 12 months entitled Thorens to make on his own decision exchange or repair of the defective sections. If a defect of your device occurs within the guarantee period, then you inform Thorens or your dealer under specification of the type of the problem. Damage, which take place via neglect of the operating instruction or via outside mechanical effects, as well as transport damages are not taken off by the warranty. The warranty extends only to the turntable and the motor inclusive power pack. Tone arm and pick-ups have the warranty granted by the respective manufacturer. Warranty is valid only for the first owner of the turntable. Sending the warranty card could be done by e-mail to [technik@Thorens.ch](mailto:technik@Thorens.ch) or by mail to THORENS EXPORT COMPANY LTD IM JUNKHOLZ 44 · CH-4303 KAISERAUGST-BASEL / SWITZERLAND

### Use of the turntable

Your turntable has been built to be used in closed rooms. Please only use it in such rooms. Make sure that there is not water or humidity close to the turntable or the PS 800 power supply.

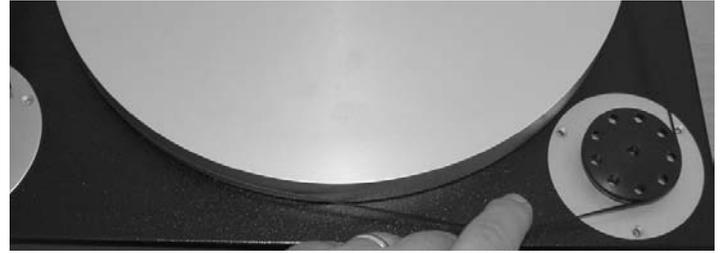
The PS Power pack operates with 115V/230V main voltage. Do never open it before pulling the main plug. There are no user serviceable parts inside the PS 800.

In any case of a damage or question please contact your importer or us.

### Setup of the turntable

To avoid damages during transport your turntable comes

carefully packed and separated. Take out carefully all the included parts. Place the included plates for the spikes where you want to have the turntable playing. Place the chassis on top of them. Adjust the correct height by turning the spikes. Check the correct adjustment with a spirit level.



Now place the turntable platter with his axle over the bearing and let it slide into it. Take care that the front end of the axle is not crashing onto the bearing bottom. Then place the rubber belt around the platter and the motor. Now put the feltmat on the platter

### Connecting the motor



Connect the motorcable with the power pack Ps 800. The backside of the ps 800 offers 1 connector for motor. So plug in the motor cable into the Ps 800 and lock the screws. Make sure that the ON/OFF switch at the front side is in Off



position and the speed selector is on 33 rpm. Then plug in the 3-pin connector from the external AC/AC adaptor to the plug on the back of the PS800. Then connect the main



power cable to the AC/AC adaptor.

**CAUTION! Never plug or unplug a motor while the Ps 800 is running. It will be damaged!**



The Ps 800 power pack gets warm make sure that it is standing free so that the air can circulate.

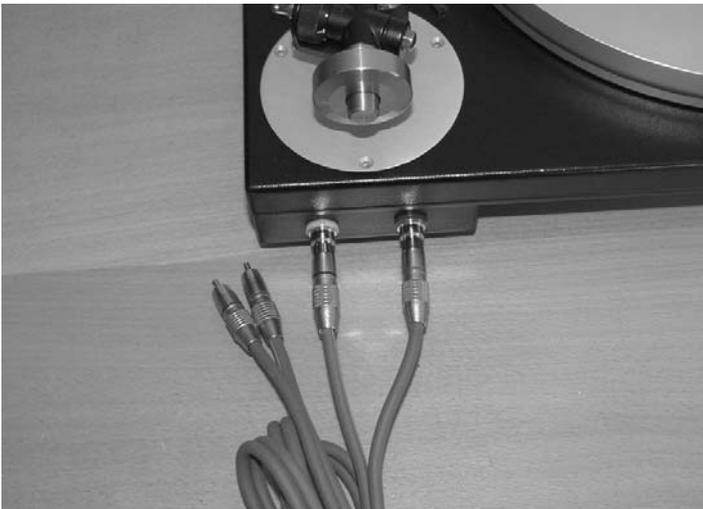
On the Front of the Ps 800 are 2 switches. The left one is for switching the Ps 800 on and off. An LED indicates the operation. The right one is the speed selector. The you can select between 33 and 45 rpm.

**Because of an overload protection you must let the turntable run for 33 rpm before switching to 45rpm. If you do not do that the turntable will not spin at 45rpm.**

#### Connecting the tonearm

Use the supplied RCA cable(Blue) and plug it into the plugs on the back side of the turntable behind the tonearm. White is left and red is right channel.

If your tonearm has not been supplied from Thorens please



use the manual supplied with the tonearm to make the connection correct. This is only for turntables with Thorens TP 250 or TP 300 tonearm factory mounted.

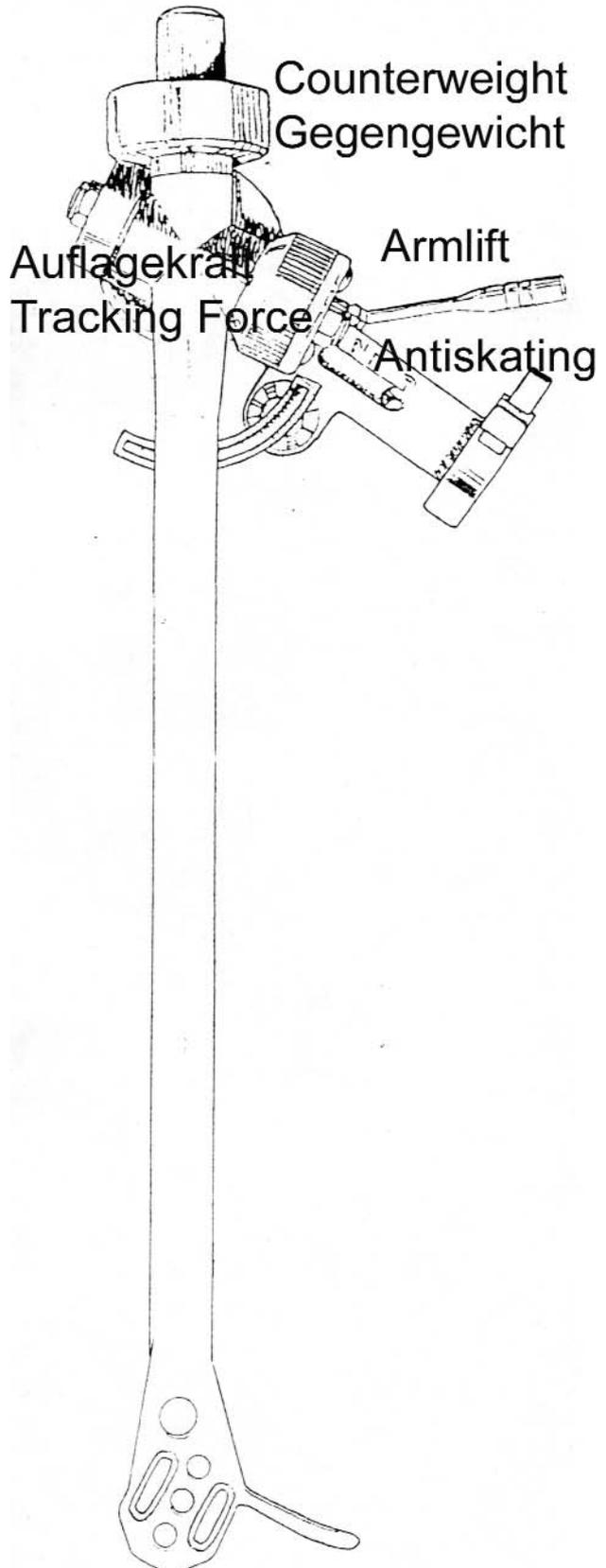
So now your turntable is ready to play.

If you have any questions please contact our service at:  
e-mail: [technik@thorens.ch](mailto:technik@thorens.ch)  
or your local distributor.

#### Thorens TP 300

##### Anti Skating(Bias) adjustment

Set the bias adjustment knob to the same number as the tracking force. NOTE: This setting is not critical and a figure of 1-1.5g will normally be suitable for moving magnet cartridges and 1.5-2g for most of the MC cartridges.



## Tracking force adjustment:

Ensure that the tracking force adjustment knob is set to the zero position.

With the cartridge permanently fitted in the correct position adjust the main balance weight so that the arm is "floating" with the stylus 1mm clear of the record. This adjustment should be made with the antiskating knob to zero.

Rotate the tracking force knob to the specified tracking force given by the cartridge manufacturer. Mostly the best result are achieved by using the upper value of the given range.

For TP 250 please turn the counterweight clockwise and move it forward to the headshell to increase the tracking force.

## Technical Specifications

### TD 800

**Drive System:** Thorens Belt drive  
**Motor:** Fully electronically regulated AC-Synchronous motor  
**Speed:** 33, 45 rpm  
**Speed Select:** electronically  
**Platter:** 300 mm / 3 kg, non magnetic  
**Tonearm:** Thorens TP 250  
**Antiskating:** magnetic  
**Automatik:** none  
**Switch off:** none  
**Capacity of signal leads:** 120 pF  
**Power Supply:** Electronically regulated Power Supply for AC Motor.  
**Dimensions (wxdxh):** 420 x 350 x 125 mm  
**Weight:** 8 kg  
**Colors available:** Aluminium, black

### TD 810

**Drive System:** Thorens Belt drive  
**Motor:** Fully electronically regulated AC-Synchronous motor  
**Speed:** 33, 45 rpm  
**Speed Select:** electronically  
**Platter:** 300 mm / 4 kg, non magnetic  
**Tonearm:** Thorens TP 250  
**Antiskating:** magnetic  
**Automatik:** none  
**Switch off:** none  
**Capacity of signal leads:** 120 pF  
**Power Supply:** Electronically regulated Power Supply for AC Motor.  
**Dimensions (wxdxh):** 420 x 350 x 135 mm  
**Weight:** 12 kg  
**Colors available:** Aluminium, black

### TD 850

**Drive System:** Thorens Belt drive  
**Motor:** Fully electronically regulated AC-Synchronous motor  
**Speed:** 33, 45 rpm  
**Speed Select:** electronically  
**Platter:** 300 mm / 4 kg, non magnetic  
**Tonearm:** Thorens TP 300 or TP 250 with VTA adjuster  
**Antiskating:** magnetic  
**Automatik:** none  
**Switch off:** none  
**Capacity of signal leads:** 120 pF  
**Power Supply:** Electronically regulated Power Supply for AC Motor.  
**Dimensions (wxdxh):** 420 x 350 x 165 mm  
**Weight:** 22 kg  
**Colors available:** Aluminium, black

## Manufacturer:

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