

THORENS

OPERATING INSTRUCTIONS



THORENS *mini*

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Dear THORENS customer,

Thank you very much for your confidence in our product, the record player **Thorens mini**. With the purchase of this device you have acquired a precision instrument for the purpose of playing back analogue records. This appliance however requires your attention with respect to set-up, placement and handling in order to achieve a flawless operation. The **Thorens mini** has been designed and assembled completely in Germany which will guarantee you the highest quality to be maintained for years to come. Understandably, you want to listen to your beloved records right away but we strongly advise that you read these instructions attentively before proceeding with the setup, simply to ensure long-lasting listening pleasure. We have spared no efforts to pack all necessary information and comprehensive guidance into this manual, yet in the event that you have any further queries regarding your new record player please do not hesitate to ask your THORENS dealer for further assistance.

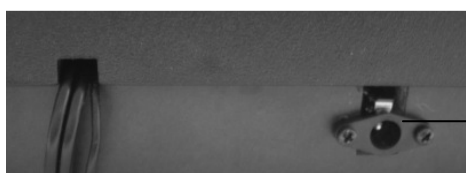
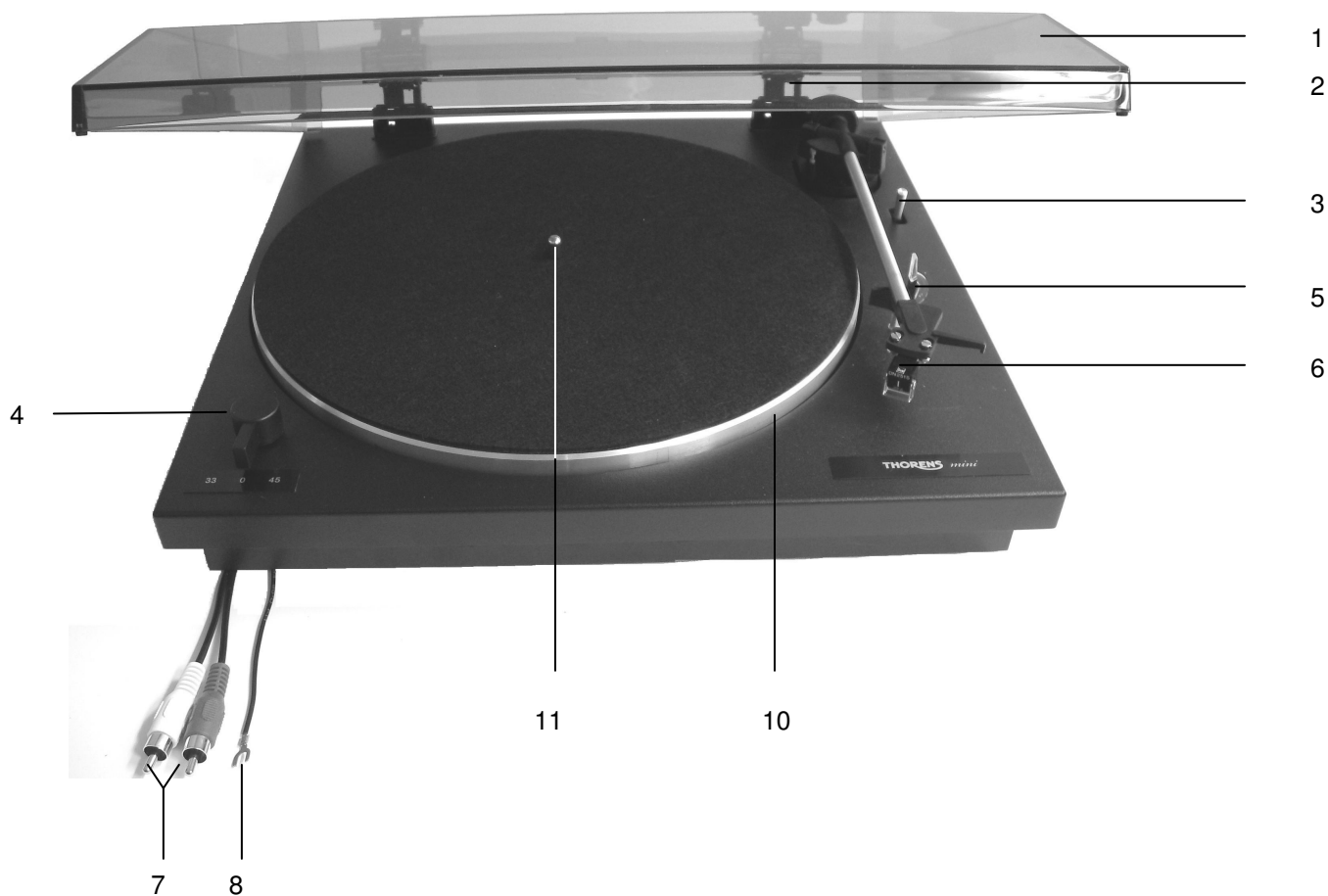
**Sincerely yours,
THORENS TEAM**

WARRANTY

Legal warranty directives and regulations are to be applied here. In case a failure or malfunction occurs in your record player during the warranty period please inform your THORENS dealer or general representative and describe the malfunction that has occurred. If the malfunction cannot be remedied on site by sending you the respective user-serviceable spare part, you are kindly requested to send the unit in its original shipping box to the THORENS representative in your country. If the original shipping box is no longer in your possession your THORENS representative will be in the position to supply a new one for a small charge. Shipping costs to THORENS or to an authorized service centre must be prepaid because otherwise the parcel will be rejected upon arrival. After repair or service the unit will be returned to you free of charge. Any damage or malfunction caused by failure to observe the instructions contained in this manual as well as damages occurred in transport or shipping are not covered by this warranty. This warranty only covers the turntable and motor including power supply and mains transformer. The tone arm and pick-up cartridge are covered by the warranty of the respective manufacturer thereof.

In the event that you have further queries or need assistance please do not hesitate to contact your authorised THORENS service.

DESCRIPTION



- 1 Dust cover
- 2 Hinge
- 3 Cueing lift lever
- 4 Speed selector and ON-OFF switch
- 5 Tone arm support with tone arm lock
- 6 Stylus
- 7 Audio Cinch plugs I
(red= right channel, white = left channel)
- 8 Earth wire
- 9 Connection socket for mains set 12 V / DC
- 10 Platter
- 11 Axis

WARNING!

To prevent fire or shock hazard, do not expose this product rain or moisture.

Setup

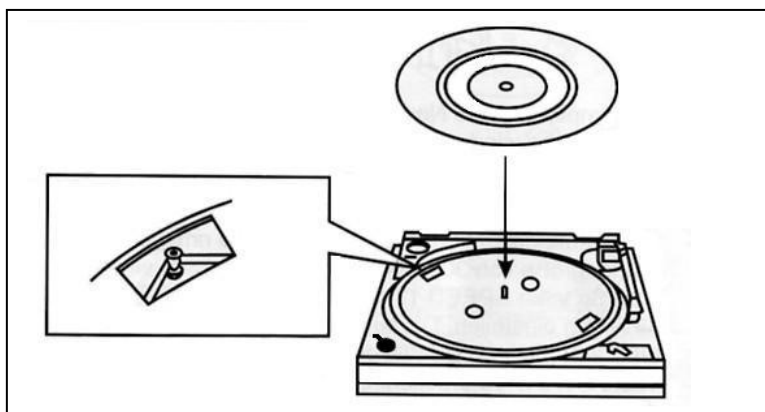
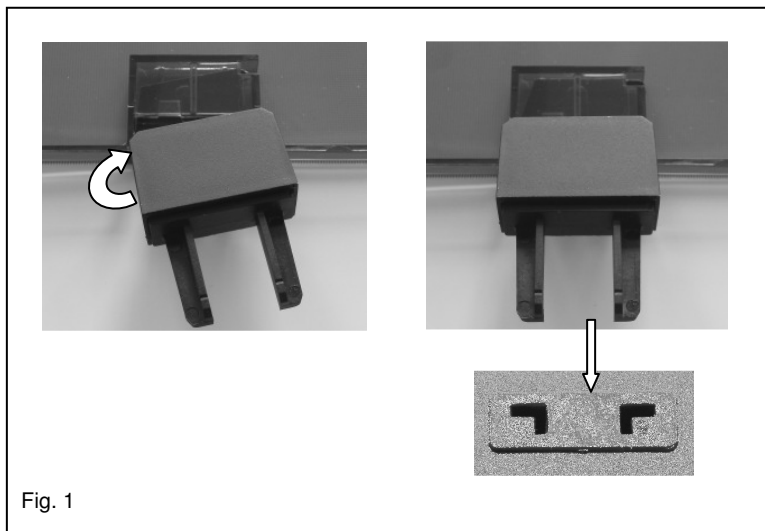


Fig. 2

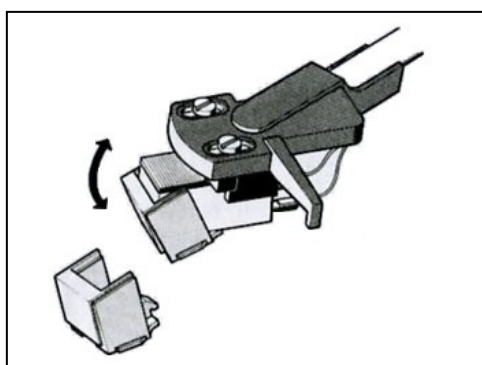


Fig. 3

Preliminary operations

Unpack the unit and all accessories.

Please keep the packaging for future use when transporting the device.

- Attach hinges (2) to the designated recesses at dust cover (Fig. 1).
- Insert dust cover hinges into the respective sockets.

Belt and platter (Fig. 2)

The belt comes already looped around the transmission area of the platter (10). A ribbon has been attached to the belt so that no tools are needed for its final installation. Put platter onto axle (11) and turn it until cut-out has come above the motor pulley. By means of the ribbon lift off belt from platter and loop it around the motor pulley while making sure the belt sets in the centre of the pulley's transmission area. Lastly, remove ribbon. You can now put the mat onto platter.

Connection to mains

The supplied mains adaptor is to be connected to socket (9). According to the voltage indicated on the unit's nameplate it has to be plugged into a mains socket with either 230 V / 50 Hz or 115 V / 60 Hz for the primary side.

Connection to the amplifier or receiver

- Connect the audio leads (7) to the phono-input (MM) of your amplifier or receiver (red RCA-type plug = right channel, white RCA-type plug = left channel).
- Connect ground wire (8) to the ground connector on your amplifier.

Speed selection and start

This record player is started by selecting the speed of either 33 or 45 rpm.

Manual start, cue control

- Select the required platter speed, 33 or 45 rpm, by means of the switch (4), swivel the stylus protection cap upwards, lift the tone arm with the cueing lift lever (3).
- Now position tonearm over the lead-in groove of the record. By means of cue control lever (3), the tonearm can be smoothly lowered onto the grooves and thus preventing damage to your records.
- With the cue control lever the tonearm may also be lifted up at any position, even for brief interruptions during playback. In such a case the platter continues to rotate.

Stop

This record player is to be switched off by lifting the tone arm with the cueing lever (3) and by moving the tonearm back to its rest, whereupon switch (4) is set to "0".

Stylus DN 251 S

The stylus is subject to natural wear during normal playback. Therefore, we recommend you to have the stylus occasionally checked after approximately 300 playing hours. A worn or damaged (splintered) diamond stylus is likely to chisel the modulation from the grooves and thus damage the record. Use only the dedicated (replacement) stylus types recommended in the technical data supplied with the cartridge. An imitated stylus may also cause an audible loss in sound quality and increased wear of records. Pull off the stylus in a slanted downward movement. Insert the new stylus in reverse order. (Fig. 3).

Technical data

Measured values = typical values

| | |
|---|------------------------------------|
| Belt drive | electronic-controlled DC motor |
| Mains voltage (Mains set) | 230 V / 50 Hz or 115 V / 60 Hz |
| Line frequency | 50 / 60 Hz |
| Power requirement | 1,5 W |
| Platter speeds | 33 1/3, 45 rpm |
| Wow and flutter (DIN/WRMS) | ± 0,07 % |
| Platter | Ø 296 mm |
| Signal-to-noise ratio (DIN 45 500) Rumble unweighted signal-to-noise ratio Rumble weighted signal-to-noise ratio | 46 dB 68 dB |
| Effective tonearm length | 211 mm |
| Offset angle | 26° |
| Overhang | 19,5 mm |
| Tangential tracking error | 0,15° / cm Rad. |
| Cartridge HiFi DIN 45 500 red R right channel green RG right channel ground blue GL left channel ground white L left channel | DMS 251 S |
| Diamant stylus elliptical | DN 251 S 15 µm Ø |
| Tracking force | 20 mN |
| Frequency range | 20 Hz – 18000 Hz |
| Output | 4 mV / 5 cms ⁻¹ / 1 kHz |
| Cartridge weight | 5,0 g |
| Total capacitance Tonearm leads and audio-cables | ca. 160 pF |
| Dimensions (W x D x H) mm | 360 x 350 x 95 |



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