





# TN-3B Belt Drive Turntable, Black

246135

## SRP 499,00 €

The TN-3B is a stylish belt-driven turntable with a built-in MM-type PHONO EQ amplifier and digital USB output.

Colour







PRODUCT DETAILS

**Overview**

The TN-3B is a stylish, sleek-looking belt-driven turntable with a built-in MM-type PHONO EQ amplifier and USB digital output. It employs a new tonearm with knife-edge, pivot-point bearings, co-developed with high-end tonearm manufacturer SAEC, for superlative stability and resolution.

The belt-drive mechanism helps mitigate any unwanted cogging effects (i.e. fine pulsing) from the operation of the motor to ensure a precise and smooth platter rotation. The TN-3B also employs a high-precision NJM8080 op-amp in its in-built phono EQ amplifier, allowing the user to enjoy the sound of their vinyl records with low distortion and in high quality. In addition, a built-in analogue-to-digital converter and USB port allow users to digitise their vinyl libraries on their PC/Mac.

The TN-3B delivers a natural and well-balanced sound quality and is quick and easy to set up. We believe it sets a new standard that will satisfy the needs of both audiophiles and ardent record collectors.

**Knife-edge, pivot-point tone-arm bearings**

In collaboration with the SAEC Corporation, a world-famous, high-end tonearm manufacturer, the TN-3B's tonearm employs a knife-edge, pivot-point bearing. Unlike with conventional bearings, subtle movements with this tonearm will actually help deliver a more dynamic sound with excellent resolution. The S-shaped tonearm also employs a universal headshell fitting, allowing users to quickly and easily swap cartridges (from 14 - 23g / 0.5 - 0.8 oz.) / headshells.

**Precision anti-skating and stylus-pressure adjustment**

The static-balanced, S-shape tonearm is equipped with a counterweight for precise stylus-pressure

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adjustment, as well as an anti-skating mechanism for accurate tracking force adjustment, allowing the cartridge to accurately play vinyl discs.

**Pre-installed VM-series cartridge**

An audio-technica AT-VM95E cartridge with an elliptically shaped stylus tip comes pre-installed on the headshell for convenience. After you've opened the box, set up the platter, mount the headshell on the tonearm and start enjoying your records.

**Built-in MM-type phono EQ amplifier**

The TN-3B incorporates an MM-type phono EQ amplifier, allowing you to connect the turntable to a conventional amplifier/hi-fi system that lacks a PHONO input. A low distortion, hi-fi-grade op-amp, the NJM8080 is employed to boost the low-level signals from the phono cartridge to LINE level.

**External belt-drive with aluminium die-cast platter**

A belt-drive arrangement is employed to minimise motor cogging effects by driving the outer rim of the platter (which has a larger diameter, mass and surface area).

**Luxurious, multi-layer lacquer paint finish**

All internal components are mounted on a robust and high-density MDF plinth for rigidity and deadening of vibration. Thanks to the sleek and stylish design, the TN-3B looks at home in most domestic environments, creating the perfect setting for listening to vinyl records.

**USB digital output for digital archiving**

A USB port on the back panel delivers CD-quality digital audio to your PC/Mac, allowing you to record/archive your analogue library in a high quality, digital audio format. Once you have archived your vinyl to digital, it's a simple matter to listen to them while out and about via a smartphone/portable audio player, or in your car (by burning them onto a CD-R or transferring them to a memory card/stick). And to ensure pristine signal transfer, gold-plated PHONO/LINE output terminals are employed to prevent analogue audio signals from losing quality as a result of oxidation.

**33-1/3 and 45 rpm 2-speed turntable**

The TN-3B supports both 33-1/3 and 45 rpm for LP and EP records. Our insistence on quality engineering can even be seen in the construction of the rotary control for start-up/speed selection, formed of machined aluminium.

**Insulating feet with excellent shock absorption**

The insulating feet comprise a machined aluminium shell, topped with a rubber cushion that is fixed to the high-density MDF plinth. Thanks to their excellent shock absorption characteristics, the TN-3B is very resistant to acoustic feedback.

**Honeycomb-patterned bottom panel**

In order to achieve sleek cabinet design without compromising rigidity, the bottom panel is imprinted

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with a honeycomb pattern that minimises unwanted vibrations.

**Features at a glance**

- Belt-drive mechanism
- 2-speed turntable supporting 33- and 45 rpm
- Knife-edge, pivot-point tonearm, designed by high-end tonearm manufacturer SAEC
- Aluminum die-cast platter
- Built-in PHONO EQ amplifier compatible with MM-type cartridges
- Hi-fi grade op-amp, NJM8080, used in PHONO EQ stage
- Anti-skating mechanism
- USB digital audio output for digitising records on a PC/Mac
- PHONO/LINE analog output (switchable)
- Gold-plated oxidation-resistant output connectors
- Pre-installed AT-VM95E cartridge supplied by audio-technica
- Rigid, high-density MDF plinth with multi-layered lacquer finish
- Shock-absorbing insulating feet
- GND terminal
- RoHS compliant

**Included Accessories**

- Felt Mat
- EP Adapter
- Counter Weight, Head-shell (AT-VM95E installed)
- Platter
- Dust Cover
- Hinges × 2
- RCA Audio cable with GND terminal
- AC Adapter (GPE053A-V120050)
- Owner's Manual (including Warranty Card)

For more specifications, see the datasheet in the downloads tab.

## Specs

### Product Attributes

| | |
|---|---|
| EAN: | 4907034222841 |
| Manufacturer number: | TN-3B-A/B |
| Product weight: | 5.0 kilograms |
| Pieces per master carton: | 1 Piece |

**Turntable Features**

| | |
|---|---|
| Type: | Manual |
| Drive method: | Belt-drive |
| Speed: | 33 rpm<br>45 rpm |
| Wow & flutter: | 0.1% or less |
| Built-in preamp: | true |
| S/N ratio: | 67 |
| Cartridge: | AT-VMN95E |
| Cartridge type: | MM |
| Cartridge output: | 4.0mV (1kHz, 5cm/sec.) |

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| | |
|---|---|
| Cartridge weight: | 6.1 |
| Including headshell: | 17.1 |
| Rec. cartridge weight: | 3-12 |
| Rec. cartridge weight (incl. headshell): | 14-23 |
| Outputs: | RCA<br>USB-B |
| Output level & impedance: | RCA: 224mV(-13dBV) |

**Energy Management**

| | |
|---|---|
| Power consumption (standby): | 0.5 |
| Power consumption: | 1.5 |

**Dimensions and Weight**

| | |
|---|---|
| Product height: | 11.7 |
| Product width: | 42 |
| Product length: | 35.6 |
| Product weight: | 5 |
| Packsize height: | 21 |
| Packsize width: | 55 |
| Packsize length: | 42 |

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