





TN-3B Belt Drive Turntable, Black

246135

SRP £429.00

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 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 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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