



# TEAC

## TN-3B Belt Drive Turntable, White

246136

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 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 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:                      | 4907034222865 |
| Manufacturer number:      | TN-3B-A/WH    |
| Product weight:           | 7.4 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.) |

|                                          |              |
|------------------------------------------|--------------|
| 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 |

**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   |

**Energy Management**

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

**Audio Outputs**

|                                      |              |
|--------------------------------------|--------------|
| Output level & impedance phono (MM): | 4.0mV (1kHz) |
|--------------------------------------|--------------|