

TN-400BT-X

Analog Turntable with Bluetooth® transmitter



Analog turntable with Bluetooth® transmitter and built-in phono equalizer

■ Main Features

- High-quality Bluetooth® Qualcomm® aptX™ Adaptive wireless audio transmission
- Available in a selection of contemporary matt finishes or a natural walnut veneer
- 3-speed (including 78rpm) belt-drive mechanism with aluminum die-cast platter
- Low-friction spindle for stable rotational speed
- Static-balanced S-shaped tone-arm with universal headshell
- Fitted audio-technica MM-type cartridge (AT95E)
- Gold-plated RCA Jacks for LINE/PHONO output

Brand	TEAC
Model Name	TN-400BT-X/WA
Color	Walnut
EAN code	4907034224074
UPC code	043774035366
Product Dimensions (W x H x D) / NW	420 x 117 x 356 mm / 16.5" x 4.6" x 14.0" 4.9 kg / 10.8 lbs.
Package Dimensions (W x H x D) / GW	555 x 220 x 430 mm / 21.9" x 8.7" x 16.9" 7.5 kg / 16.6 lbs.

Supplemental to New Product Information (SNPI)

■ Overview

The TN-400BT-X is an analog turntable that also enables to playback LP records wirelessly via Bluetooth® headphones & speakers. A die-cast aluminium platter provides accurate rotational speed while an S-shaped static-balanced aluminum tone-arm provides accurate tracking. The built-in Phono EQ amplifier enables the TN-400BT-X to be connected to a conventional hi-fi audio system not having phono input.

A built-in Bluetooth® transmitter codec supports Qualcomm® aptX™ Adaptive. It enables to playback LP records with high-quality audio and low-latency via Bluetooth® headphones or Bluetooth® speakers supporting the Qualcomm® aptX™ Adaptive.

For convenience, a quality Japanese-made moving magnet-type cartridge comes pre-installed, so users can quickly start enjoying their records without a lengthy set-up procedure.

● Aluminum die-cast platter with 3-speed belt-drive

A die-cast, high-inertia aluminum platter is driven by a high-torque DC motor via a durable rubber flat-belt, giving immensely stable playback at 33-1/3, 45 and 78 rpm speeds.

● New low-resistance spindle

A precisely-machined stainless steel spindle and durable brass bearing maintain accurate rotational speed, thanks to reduced friction.

● Natural walnut veneer finish with laser-engraved logo

The TN-400BT-X is available in natural varnished walnut veneer finish with laser-engraved TEAC logo.

● Built-in Phono EQ amplifier

The TN-400BT-X has an onboard Phono EQ amplifier that supports MM-type cartridges, allowing the deck to be connected to conventional amplifiers/micro systems that lack a dedicated turntable input. The Phono EQ amplifier employs a hi-fi quality NJM8080 op-amp chip (designed by JRC) which amplifies the tiny audio signal from the stylus with the minimum of distortion.



● S-shaped static-balanced tone-arm

The S-shaped, static-balanced aluminum tone-arm is equipped with a counterweight and anti-skating mechanism that allow an exact setting of balance as well as tracking pressure, ensuring accurate tracking during playback. A tone-arm lifter is also fitted for smooth lowering of the tone-arm onto records.

The tone-arm takes universal-type headshells so users can change cartridges with relative ease. In order to reduce signal losses between the tone-arm and the headshell, gold-plated contact points are employed, to help deliver an uncorrupted audio signal.

Supplemental to New Product Information (SNPI)

- **Bluetooth® wireless audio streaming with Qualcomm® aptX™ Adaptive codec**

The TN-400BT-X's supports the Bluetooth® wireless transmission system. This means that even if users don't have a hi-fi system, then can still enjoy truly high-quality vinyl replay via Bluetooth®-equipped headphones or speakers.

The supporting codecs support the higher quality Qualcomm® aptX™ Adaptive as well as the conventional SBC codec.

Connecting the TN-400BT-X to Bluetooth® headphones or speakers is achieved very simply, at the touch of a button. A single-function pairing key and an associated LED indicator provide simple and clear confirmation of the connection status.

- **Beautifully detailed**

The TN-400BT-X brings elegance to the process of playing a record. The machined aluminum operation knobs ooze quality while the aluminum feet, attached to high-density MDF chassis via shock-absorbing rubber, provide a high resistance to feedback.

- **Corrosion resistant gold plated terminals**

The Gold-plated terminals prevent oxidation of the RCA terminals and head shell connectors. When replaced frequently the head shell also prevents oxidation of the terminal.

- **MM-type Cartridge from audio-technica, AT-95E**

The deck comes with an excellent, all-purpose MM cartridge, employing a lightweight aluminum cantilever, which helps deliver an accurate, highly musical standard of playback.

■ Features at-a-glance

- Robust high-density MDF plinth provides both vibration isolation and elegance
- Available in a selection of contemporary matt finishes, or a natural walnut veneer
- 3-speed belt-drive mechanism with aluminum die-cast platter (33-1/3, 45, 78 rpm)
- Low-resistance spindle for stable rotational speed
- Static-balanced S-shaped tone-arm with universal-type headshell
- Pre-installed MM-type AT95E cartridge from audio-technica
- Built-in Phono EQ Amplifier
- High-quality Bluetooth® Qualcomm® aptX™ Adaptive wireless audio transmission
- Floating-construction using decoupled feet provides high feedback resistance
- Machined aluminum operation knobs and feet
- Gold-plated RCA jacks (for LINE/PHONO output) and tone-arm contacts
- GND terminal on rear panel
- RCA audio cable with GND wiring included

■ Specifications

Supplemental to New Product Information (SNPI)

Turntable section

Type	Belt Drive
Motor	DC Motor
Rotation Speeds	33-1/3, 45, 78 rpm
Deviation of Speed	+/-2%
Wow-and-Flutters	0.2% or less
Signal-to-Noise Ratio	more than 67 dB (A-weighted, 20kHz, LPF)
Turntable (Platter)	
Material	Aluminum Die-cast
Diameter	30 cm

Tone-arm section

Type	S-shaped, Static-balanced
Effective Length	223 mm
Needle Pressure Range	0 to 5 g
Compatible Cartridge Weight	4 to 8 g 14 to 18 g (including Head-shell)

Cartridge sections

Type	MM-type (VM-type)
Frequency Response	20 to 20kHz
Output Voltage	3.5 mV (1kHz, 5cm/sec.)
Needle Pressure	2.0 g (+/-0.5 g)
Cartridge Weight	5.7 g (+/-0.5 g)
Head-shell Weight	10 g (including nuts, screws, and wires)
Needle Life	approx. 300 hours (depends on conditions)

Analog Output section

Connectors	RCA jack x 1 pair (Gold-plated)
Output Voltage	
PHONO	3.5 mV (+/-3dB)
LINE	155 mV (-16dB)

Bluetooth® section

Bluetooth® version	5.2 (Dual mode)
Supported Profile	A2DP
Codecs	SBC, Qualcomm® aptX™, Qualcomm® aptX™ Adaptive
Maximum number of stored pairings	8 devices

General

Operation Power	
AC Adapter Input	AC 100-240V, 50/60Hz
AC Adapter Output	DC 12V 500mA
Power Consumption	1.5 Watts or less
Standby Power	0.5 Watts or less
Overall Dimensions (W x H x D)	420 x 117x 356 mm / 16.5" x 4.6" x 14.0"
Weight (Net)	4.9 kg / 10.8 lbs.
Operating Temperature	+5°C to +35°C
Included Accessories	Felt Mat x 1

Supplemental to New Product Information (SNPI)

EP Adapter x 1

Counter Weight x 1

Headshell x 1 (audio-technica AT95E installed)

Platter x 1

Dust Cover x 1

Dust Cover Hinges x 2

RCA Audio Cable with GND wiring x 1

AC Adapter (GPE053A-V120050-Z) x 1

Owner's Manual (including Warranty Card)