

## Supplementary New Product Information (SNPI)

### TN-420-TD 2-speed Analog Turntable



## Turn turn turn.

### ■ Main Features

- Manual Belt-drive Turntable supporting 33/45 RPM
- High-density MDF cabinet with unique Tie-Dye finish
- USB output for transferring music from vinyl records to your Mac or PC.
- Built-in Phono Equaliser Amplifier (LINE/PHONO switchable)
- Static-balanced S-shaped tone arm
- Audio-Technica AT95E high-performance MM (VM) type cartridge pre-installed
- Gold-plated terminals for LINE/PHONO outputs and head shell contacts



Brand	TEAC
Series	ANALOG TURNTABLE
Model No.	TN-420-TD
Color	Matte Black
EAN Code	TBA
Launching Date	TBA
Delivery Date	TBA
Main Unit Dimensions / NW	420 x 119 x 341mm (W x H x D) / 4.8kg
Package Dimensions / GW	548 x 221 x 431mm (W x H x D) / 7.5kg
Qty. per Master Carton	1

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### ■ Overview

What better way to celebrate the 50th Anniversary of the Summer of Love than with the certifiably far-out TN-420 turntable?

Beneath the groovy exterior, this 2-speed turntable combines a high-density MDF base with an expertly die-cast aluminium platter to deliver incredible resonance rejection, speed control and audio fidelity, while a VM (MM) type cartridge, the AT95E from Audio-Technica traces every detail on the track. And for easy connection to virtually any audio system, the TN-420 features switchable LINE/PHONO level outputs on RCA connectors and a digital output on USB for easy connection to a Mac or PC for playback and archiving of your favorite LPs at PCM 48kHz/16bit which is CD quality. Once your collection is digitised, you will be able to enjoy them with iPhone/Android phone or car CD!

A fusion of unique appearance and excellent sound.

#### ● A unique Tie-Dye color design

The eye-catching appearance of the TN-420-TD is achieved through a modern hydro-graphics printing process and adds a groovy touch to any music room. And just below this colorful is a high density MDF cabinet designed to minimize unwanted resonance during playback.

#### ● Aluminium belt-drive turntable

The high inertia aluminium die-cast platter is driven by a high-torque DC motor with durable Neoprene® rubber belt to achieve stable rotation. In addition, highly accurate rotation of this platter is maintained by a polished spindle (machined from a stainless steel block) and a durable bronze spindle holder.



#### ● MM type cartridge phono equalizer amplifier

Enjoy vinyl playback with any amplifier. The TN-420-TD supports both PHONO and LINE outputs, and allows you to enjoy your favorite albums on virtually any music system.

#### ● Built-in USB digital Output

An On-board Analog-to-Digital converter from Texas Instruments allows you to transfer music via USB to your PC and to create CD-quality backups of your favourite albums. In addition, a pair of gold-plated RCA connectors are employed for reliable connection to either the LINE or PHONO inputs of your receiver and amplifier.



#### ● Static balanced S-shaped tone arm

Due to increased mass, an S-shaped tone arm is employed for high tracking accuracy. Coupled with an adjustable anti-skating mechanism, the TN-420-TD will help you to get up and rocking in no time.



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### ● 2-speed Turntable for LP/EP record playback

Perfect for albums or singles, the TN-420-TD features both 33-1/3 and 45 RPM playback and a manual tone-arm lifter for complete control of your music experience.

### ● Corrosion resistant gold-plated terminals

To ensure years of reliable performance, gold-plated terminals on the LINE/PHONO output connectors and head shell contacts prevent oxidation over time..

### ● Audio-Technica AT95E VM-type cartridge

The TN-420-TD comes with an Audio-Technica's VM-type cartridge, which carries a reputation for accuracy, clarity and detail.



#### Cartridge Spec: AT95E

Frequency Response	20 - 20,000 Hz
Channel Separation	20 dB at 1 kHz
Channel Balance	2.0dB
Tracking Force	1.5-2.5g
Vertical Tracking Angle	20°
Recommended Load Impedance	47k ohms
Output Voltage	3.5 mV (mV at 1 kHz, 5 cm/sec)
Stylus Shape	Elliptical
Stylus Construction	Bonded Round Shank
Mount	Half-inch
Weight	5.7g
Replacement Stylus	Audio-Technica ATN95E

### ■ List of features

- Authentic belt-drive turntable
- Cabinet with unique Tie-Dye finish
- Heavy-weight Aluminium die-cast platter
- Manual arm lifter for analog playback
- Static-balanced S-shaped tone arm
- Anti-skating system prevents tracking errors
- USB digital output for transferring music from vinyl to Mac or PC
- Built-in phono equalizer amplifier for MM type cartridge (LINE/PHONO output switchable)
- 2 speed Turntable including 33-1/3 and 45 RPM for LP/EP record playback
- Audio-Technica AT95E high-performance MM (VM) type cartridge pre-installed
- Corrosion resistant gold-plated terminals

## Supplementary New Product Information (SNPI)

### ■ Specifications

#### Turntable section

Drive system	Belt drive
Motor	DC motor
Rotation	33-1/3rpm, 45rpm
Rotation speed variation	±2%
Wow and flutter	0.2%
SN ratio	67dB or higher (A-weighted, 20 kHz)
Turntable	Aluminium die-cast 12" / 30cm diameter

#### Tone arm

Arm type	Static-balanced, S-shaped tone arm
Effective arm length	223mm
Stylus pressure variation Range	0-5g
Acceptable cartridge weight	3.5g-6.5g

#### Cartridge

Type	MM (VM)
Output pressure	2.5mV ±3dB
Stylus pressure	2.0 ±0.5g
Cartridge weight	5.7 ±0.5g
Included head shell weight	10g (Including screws, nuts and wires)

#### Analog Output

Connector	RCA x 1 pair
Output Level	
PHONO	2.5mV±3dB
LINE	155mV (-16dBV)

#### Digital Output

Connector	USB B-type x 1 (required 5V, 500mA USB Bus power from PC)
Audio Format	PCM 48kHz/16-bit

#### General

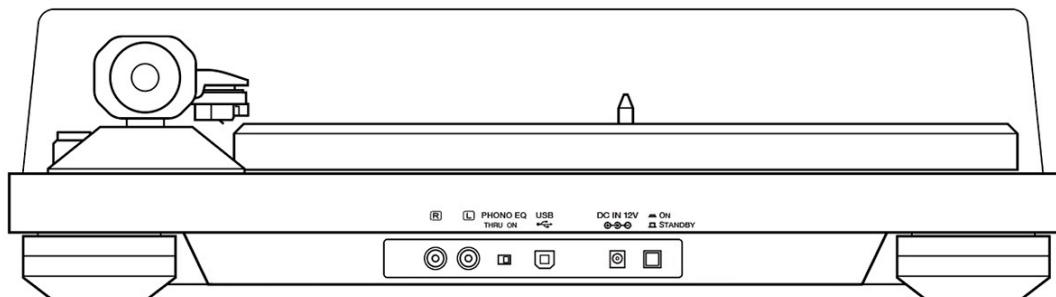
AC adapter power	
Input	AC 100-240V, 50/60Hz
Output	12V, 500mA
Power consumption	1.5W or less (0.5W or less at Standby)
Operating temperature	5°C to 35°C
Dimensions (W x H x D)	420 x 356 x 117 mm (including protrusions)
Weight	4.9 Kg (approx.)

#### Included accessories

Felt mat x 1  
45RPM adapter x1  
Counter weight x1  
Head shell x1 (Audio-Technica AT95E pre-installed)  
Platter x1  
Turntable cover x1  
Rubber feet for turntable cover x2  
Hinges x 2  
Audio cable x1  
USB cable x 1  
AC adaptor x 1  
Owner's manual x 1 (incl. Warranty card)

## Supplementary New Product Information (SNPI)

### ■ Rear Panel



### ■ Comparison Chart

	<b>TN-420-TD</b>	TN-300	TN-300SE	TN-200	TN-100
Speed	33-1/3, 45	33-1/3, 45	33-1/3, 45	33-1/3, 45	33-1/3, 45, 78
Drive	Belt-drive	Belt-drive	Belt-drive	Belt-drive	Belt-drive
Platter	Aluminium	Aluminium	Aluminium	Aluminium	Plastic
Tone Arm	S-shaped	Straight	Straight	Straight	Straight
Head Shell	Aluminum (replaceable)	Aluminum (replaceable)	Aluminum (replaceable)	Aluminum (replaceable)	Plastic (fixed)
Cartridge	Audio-Technica AT95E	Audio-Technica AT95E	Audio-Technica AT95E	Chuden for TEAC	Chuden for TEAC
Turntable Mat	Felt	Rubber	Rubber	Rubber	Rubber
Analog Output	Phono/Line	Phono/Line	Phono/Line	Phono/Line	Phono/Line
USB Output	PCM 48kHz/16-bit	PCM 48kHz/16-bit	PCM 48kHz/16-bit	PCM 48kHz/16-bit	PCM 48kHz/16-bit
Color	Tie-Dye	Piano Black Gloss Cherry Gloss Red Gloss White Natural Wood	Matte Black Walnut veneer	Black vinyl	Black vinyl Cherry vinyl