








TEAC PD-507T CD Transport, Black

813772

SRP £1,299.00

The PD-507T is a CD transport that uses highly acclaimed TEAC‘s in-house manufactured CD transport mechanism. By specializing in pristine digital output without DAC, it enables high-quality CD playback through various audio systems equipped with digital inputs, including Reference 500 Series USB DAC models.

The basic CD transport mechanism is the TEAC CD-5020A, which has a long-standing track record of success in broadcast applications. By combining this rugged and highly reliable mechanism with a semi-floating mounting structure and a specially designed drive circuit, the PD-507T achieves even higher sound quality.

The new PD-507T has a new feature that allows you to turn off unused digital outputs. Separate power supplies have been implemented for each clock and digital output. Additionally, the electrical circuitry and mechanical construction have been fine-tuned to deliver an even higher level of sound quality than previous models. The PD-507T also offers connectivity with the CG-10M-X master clock generator to enhance sound quality with an external 10MHz clock. The UD-507 features a new amber (orange) full-dot OLED display and control terminals, which improving system usability when used alongside other Reference 507 Series components.

Colour




PRODUCT DETAILS

Equipped with a CD Transport Mechanism Enhanced from TEAC’s Proprietary CD-5020A
The CD-5020A is a CD transport mechanism designed and manufactured by TEAC, renowned for its robustness and reliability, and has been used in broadcast CD players for many years. Building on the legendary CD-5020A, the mechanism in the PD-507 has been further refined to deliver even higher sound quality.

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Semi-Floating Drive Mount
The entire CD mechanism is mounted on the main chassis with a semi-floating construction that is not fully attached to the chassis. The mounting system has been carefully designed to prevent vibrations from the spindle motor and actuator from being transmitted to the chassis and adversely affecting CD reading. On the other hand, some drive components are rigidly mounted without the use of dampers, eliminating the sound coloration caused by soft elastic material. By employing a structure that utilizes both rigidity and flexibility, the PD-507 achieves more direct and precise CD reading.

Drive Control Circuitry, Precisely Tuned for High-Quality Playback
The drive control circuit of the CD mechanism is meticulously custom tuned for the PD-507T to achieve high-quality playback. A natural and open sound is achieved by using a slower feedback loop to control the spindle motor. The spindle and pickup lens drive actuator are driven by a BTL circuit, which does not generate switching noise, resulting in pure signal reading.

Discrete Power Supply Circuit with A Toroidal Transformer
The PD-507T uses a discrete power supply circuit with a toroidal core transformer with triple secondary windings and triple rectifier circuits. These independently power the audio circuit, the CD drive and microcomputer, and the display circuit.
This design minimizes noise within the audio signal and maximizes playback clarity.
The audio circuit power supply has been improved from that of the previous generation model. By using separate power supplies for the clock and digital output, the PD-507T has achieved an even higher level of sound quality.

Upgraded Mechanical Construction and Circuits Achieve Even Higher Sound Quality
Compared to the previous generation model, the mechanical construction has been finely tuned and adjusted for more effective vibration control. Electrically, the grounding of the entire circuit was further optimized, and the OLED display circuit's noise isolation was advanced for purer signal output.

The Selectable Coaxial/Optical Digital Output for Maximum Signal Purity
The PD-507T allows you to select between coaxial and optical digital outputs. Disabling the operation of unused digital output circuits reduces the overall circuit load, thereby enhancing the purity of the output signal.

Low Phase Noise Crystal Oscillator
In digital links, the clock accuracy of the upstream device is very important because it affects the quality of the entire system. The PD-507T employs a high-performance, low phase noise crystal oscillator for its internal clock. The high-precision reference clock enables the PD-507T to read the signal from the CD with extreme precision, reproducing the original sound recorded on the CD with true authenticity.

10MHz External Clock Input
The PD-507T can be connected to the CG-10M-X master clock generator to receive a higher-precision clock signal. If the DAC has an external clock input, you can synchronize the CD transport and the DAC by connecting the two clock outputs of the CG-10M-X to the transport and the DAC simultaneously to further enhance the sound quality of your system.

Luxurious, Anti-Resonance Metal Enclosure
The full-metal enclosure shields the system from electromagnetic noise, preserving the PD-507’s clean and pure sound. The cabinet is solidly constructed with heavy-duty 8mm aluminum side panels, which also feature a unique mounting structure that does not place unnecessary mechanical stress on other parts of the cabinet, resulting in a neutrally tuned cabinet.
The foam factor of elegant, space-efficient design that allows you to install the unit in the smallest of spaces on an audio rack, desk or sideboard.

TEAC's Proprietary 3-Point Support Stress-Less Isolation Foot
TEAC’s proprietary Stress-Less Isolation Foot is precision-machined from solid steel. By allowing slight movement at the joint between the bottom plate and the foot, it achieves precise imaging and a rich, natural sound. The 3-point support system also ensures a stable installation, unaffected by even the

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slightest distortion in the floor surface.

Semi-Floating Top Panel
To enhance sound openness and natural sound signature, the PD-507T's aluminum top panel is semi-floating, sitting in place without screws, secured via precision slots in the side panels.

System Control Function
The PD-507T is equipped with trigger input/output terminals. It can be used to turn the power on and off in conjunction with the power operation of other devices equipped with trigger output terminals.

Features at a glance

- In-House Designed CD Transport Mechanism: Based on highly acclaimed CD-5020A with custom circuits and parts.
- Semi-Floating Drive Mount Architecture: Provides open sound stage.
- Toroidal-Core Transformer: Designed for dynamic, clean power supplying capability.
- Two Independent Rectifier Circuits for Motor / Pickup: Designed for clean signal reading.
- Two Independent Rectifier Circuits for Clock / Digital Audio Output: for pure signal output.
- Upgraded Mechanical Construction and Circuits: Achieve even higher sound quality.
- The Selectable Coaxial/Optical Digital Output: for maximum signal purity.
- Low Phase Noise Crystal Clock Oscillator: For accurate sound image.
- 10MHz External Clock Input: Provides system upgradability with the CG-10M-X.
- Amber Color OLED Full-Dot Display: Highly legible / perfect match with 507 series components.
- Stress-Less Isolation Foot: Designed for enhances focus and preserves natural timbre.
- The semi-floating top panel: Adds an open tonality to the sound.
- Remote Controller (RC-1338)
- IEC Power Inlet: enables customer free choice of power cord.
- Normal / Repeat (track/album) / Shuffle / Random / Program Playback
- Power-On Play Function
- Track Elapsed Time / Track Remaining Time / Total Remaining Time Display
- Dimmer Function
- Auto Power Save Function
- 12V Trigger In / Through
- Two Color Options: Silver / Black

Included accessories

- AC cord
- Remote control (RC-1338)
- AAA batteries × 2
- Foot pads × 3
- Owner's Manual

Specs

Product Attributes

EAN:	4907034225729
Manufacturer number:	PD-507T-B UK3
Product weight:	5.0 kilograms

Energy Management

Power consumption:	0.3-4

Audio Outputs

Coaxial:	1
Output level & impedance coaxial:	0.5Vp-p 75

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Optical/Toslink:	1
BNC:	1

Audio Inputs

Impedance & frequency BNC:	50 10MHz. Rectangle wave: Equivalent to TTL level Sine wave: 0.5 to 1.0Vrms

Dimensions and Weight

Product height:	8.4
Product width:	29
Product length:	24.9
Product weight:	4
Packsize height:	19
Packsize width:	44
Packsize length:	35
Packaged weight:	5.4

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