

Supplemental to New Product Information (SNPI)



PD-301-X

CD Player/FM Tuner



A musical gateway for the 301 Reference series, enabling CD, USB playback and FM radio listening from one component

■ Features at-a-glance

- Slot-load CD Drive mechanism offering quick loading and auto-playback
- BurrBrown PCM5142 32-bit D/A Converter
- Plays back MP3, WMA, AAC and WAV formats
- Built-in FM Tuner with 20 x FM station presets
- Small footprint makes for an ideal desktop audio system
- Robust aluminum body for rigidity



Brand	TEAC	
Series	Reference 301 series	
Model	PD-301-X-B	PD-301-X-S
Color	Black	Silver
UPC code	43774033713	43774033720
EAN code	4907034222391	4907034222407
Overall dimensions (W x H x D) NW	215 x 61 x 238 / 8.5" x 2.4 x 9.4" 2.1kg / 4.6 lbs	
Carton dimensions (W x H x D) GW	391 x 150 x 396 / 15.4" x 5.9" x 15.6" 3.2kg / 7.1 lbs	
Quantity per Master Carton	1	

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■ Product overview

The PD-301-X is a combination product in the Reference 301 range, comprising a CD player, USB memory player and FM tuner, and provides a versatile digital media gateway for your existing desktop audio system.

Thanks to its painstakingly developed circuit design, the PD-301-X delivers superb analogue audio sound to your amplifier, while the coaxial and optical outputs deliver digital audio signals to your favorite DAC (digital to analogue converter), not only from CD and USB memory sticks but also from the FM tuner.

Thanks to its low-profile and small footprint design, the PD-301-X greatly expands the flexibility of your desktop audio system.

● Slot-load CD drive mechanism supporting quick loading and automatic playback

The PD-301-X features a compact, high-precision, slot-load CD drive mechanism that's exclusively designed for professional audio applications. Thanks to its quick loading times and automatic playback function, users can get on with enjoying their music mere moments after inserting a CD into the slot.



● Supports MP3, WMA, AAC and WAV formats

Conventional digital audio formats such as MP3 and WMA can be played back from CD-ROM/CD-R/CD-RW discs. In addition, music files in AAC and WAV formats are also supported when played from a USB flash drive inserted into the front USB port. Usefully, the player can show ID3 tag, song title and artist name info contained on MP3, WMA and AAC files on its LC-display.



● High-performance 32-bit DAC

The PD-301-X employs a high-performance DAC (digital to analogue converter), the PCM5142 from BurrBrown, for silky smooth audio reproduction.



● Robust full-metal body with a small footprint

Employing aluminum panels for the player's front, sides and top means that the PD-301-X provides unusual rigidity, minimizing the adverse effect of unwanted vibrations on sound quality. And all from a package with a tiny footprint that occupies an area of just 215mm x 232mm (8.5" x 9.1"), allowing users to comfortably locate the unit on the smallest of desktops



● Digital audio outputs for all sources, including FM

In addition to conventional analogue audio outputs, audio signals from the PD-301-X's built-in FM tuner are also delivered from the digital audio outputs, via both the coaxial and optical connectors (of course, these connections also deliver digital audio from CD). Please note that the digital audio output format is PCM 44.1kHz/16-bit, regardless of the resolution of the original source.

● Built-in FM Tuner

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Unlike most other CD Players, the PD-301-X also features a FM Tuner module within its compact cabinet.

● 10-key Remote Control

A compact card-type remote control is supplied as standard with the PD-301-X.



■ Key Features

- Slot-load CD player supporting CD-DA, CD-ROM, CD-R and CD-RW discs
- High performance BurrBrown PCM5142 32-bit D/A converter
- Sleek, small footprint design
- Built-in FM Tuner with 20 x FM station presets
- Automatic CD Playback (can be disabled)
- MP3, WMA playback from CD-ROM, CD-R and CD-RW
- MP3, WMA, AAC, WAV playback from USB flash drive
- Program playback (CD-DA only)
- Shuffle and Repeat playback
- Song title and artist name display (ID3 tag required)
- Selectable Folder/File browse modes
- USB Port for USB flash drive (USB A-type)
- Coaxial and optical digital audio outputs
- Analogue LINE audio output via RCA Pin
- Card-type Remote Control
- Full-metal body
- Auto power-saving (can be disabled)
- RoHS compliant

■ Specifications

CD Player section

Supported media	CD-DA, CD-ROM, CD-R, CD-RW* (8cm CDs not supported)
Max number of files	300 (including Folders)
Max number of folders	50
Max number of layers	16 (Max path name: 260 characters including file name)

* Supports CD-DA format on CD-RW

USB section

Supported USB devices	USB Mass Storage device class
Interface	USB2.0 (Full speed), USB1.0 (High speed), USB3.0 compatible
File system	FAT16, FAT32
Max number of files	300 (including folders)
Max number of folders	50
USB bass power	DC 5V, max 500mA

Supported file formats

WAV (USB only)

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Extension	.wav, .WAV
Bit depth	16-bit
Sampling frequency	44.1k, 48kHz

MP3

Extension	.mp3, .MP3
Bit-rate	32k to 320kbps and VBR
Sampling frequency	16k, 22.05k, 24k, 32k, 44.1k, 48kHz
Format	MPEG1/2 Audio Layer-3

WMA

Extension	.wma, .WMA
Bit-rate	32k to 320kbps and VBR
Sampling frequency	8k, 11.025k, 16k, 22.05k, 32k, 44.1k, 48kHz
Format	WMA ver.9 standard (DRM not supported)

AAC (USB only)

Extension	.m4a, .M4A
Bit-rate	8k to 320kbps and VBR
Sampling frequency	8k, 11.025k, 12k, 16k, 22.05k, 24k, 32k, 44.1k, 48kHz
Format	MPEG4 AAC-LC (Audio stream)

Tuner section

Band	FM
Frequency range	
FM	76.0 to 108.9MHz
Number of presets	
FM	20

Audio Outputs**Analog audio**

Connector	RCA Pin x 1 pair
Impedance	470 ohms or less
Max output level	2.0Vrms (1kHz, Full scale, 10k ohms loaded)
Frequency response	20Hz to 10kHz (-3dB)
Signal-to-Noise ratio	113dB
Total harmonic distortion	0.005% (1kHz)

Coaxial digital audio

Connector	RCA Pin x 1
Impedance	75 ohms
Output level	0.5Vp-p

Optical digital audio

Connector	TOS-link x 1
Sampling frequency	44.1kHz
Bit depth	16-bit

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General

Operating power	AC 100-240V, 50/60Hz
Power consumption	8W
Overall dimensions (W x H x D)	8.5" x 2.4" x 9.4" / 215 x 61 x 238mm
Net weight	4.6 lbs. / 2.1kg

Included items

- AC adapter (GPE-152-120125W) x1
- AC cord for AC adapter x1
- Remote control (RC-1323) x 1
- AAA batteries x 2
- RCA audio cable x 1
- FM cable antenna x 1
- Owner's Manual (including Warranty)

■ Rear Panel

