

## Teac PD301XB

# Teac PD-301-X CD Player/FM Tuner with USB: Instruction Manual

Model: PD-301-X

## INTRODUCTION

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The Teac PD-301-X is a versatile and compact audio component designed for high-quality audio playback. It features a CD player with a slot-in mechanism, an integrated FM tuner, and a USB port for playing digital audio files from flash drives. This unit can function as a standalone CD player or as a CD transport, offering both analog and digital audio outputs for flexible integration into various audio systems. Its robust aluminum construction minimizes vibrations, ensuring optimal sound performance in a small footprint.

## WHAT'S IN THE BOX

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- Teac PD-301-X CD Player/FM Tuner Unit
- Remote Control with number pad
- Power Cable
- FM Antenna
- RCA Analog Audio Cables
- Owner's Manual (this document)

## PRODUCT FEATURES

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- **Slot-Loading CD Drive:** High-precision mechanism for CD-DA, CD-ROM/R/RW discs, designed for professional audio applications with quick loading and automatic playback.
- **USB Playback:** Supports WAV, AAC, MP3, and WMA files from USB flash drives via the front USB port. Displays ID3 tag, song title, and artist name.
- **Integrated FM Tuner:** Built-in FM tuner module for radio reception.
- **High-Performance DAC:** Employs a BurrBrown PCM5142 digital-to-analog converter for smooth audio reproduction.
- **Digital Audio Outputs:** Coaxial and optical digital outputs for connecting to external D/A converters or amplifiers, supporting digital output of both CD and FM broadcasts (PCM 44.1kHz/16-bit).
- **Robust Construction:** Aluminum panels for front, sides, and top provide rigidity, minimizing unwanted vibrations and

ensuring sound quality.

- **Compact Design:** Small footprint (215mm x 232mm / 8.5" x 9.1") allows for flexible placement on small desktops or in compact audio setups.

## SETUP

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### 1. Placement

Place the PD-301-X on a stable, level surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the unit. Its compact size allows for placement on small desktops or shelves.



Figure 1: Example of the Teac PD-301-X integrated into a home audio system.

### 2. Connecting Power

1. Ensure the unit's power switch is in the OFF position.
2. Connect the supplied power cable to the DC IN 12V port on the rear panel of the PD-301-X.
3. Plug the other end of the power cable into a suitable AC power outlet.

### 3. Audio Connections

The PD-301-X offers multiple output options:

- **Analog Output (LINE OUT):** Use RCA cables to connect the L (white) and R (red) LINE OUT jacks on the PD-301-X to the corresponding analog input jacks on your amplifier or receiver.
- **Digital Outputs (COAXIAL, OPTICAL):** For connecting to an external D/A converter or a digital input on your amplifier/receiver.
  - Connect a coaxial digital cable from the COAXIAL DIGITAL OUT jack to your external device's coaxial digital input.
  - Connect an optical digital cable from the OPTICAL DIGITAL OUT jack to your external device's optical digital input.

### 4. FM Antenna Connection

1. Connect the supplied FM antenna to the FM 75Ω ANTENNA terminal on the rear panel.
2. Extend the antenna for optimal reception.



Figure 2: Rear panel connections of the Teac PD-301-X.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

Press the **POWER** button on the front panel or the remote control to turn the unit on or off.

### 2. CD Playback

1. Insert a CD (CD-DA, CD-ROM/R/RW) into the slot-loading mechanism on the front panel. The disc will be automatically drawn in.
2. The unit will automatically begin playback if the automatic playback function is enabled. Otherwise, press the **PLAY** button.

3. Use the **SKIP** buttons (|, >|) to navigate between tracks.
4. Press **PAUSE** (||) to temporarily stop playback, and **PLAY** (>) to resume.
5. Press **STOP** (■) to stop playback.
6. To eject the disc, press the **EJECT** (▲) button.



Figure 3: Inserting a CD into the slot-loading drive.

### 3. USB Playback

1. Insert a USB flash drive containing WAV, AAC, MP3, or WMA files into the USB-A port on the front panel.
2. Press the **SOURCE** button to select USB input.
3. Use the navigation buttons on the remote or front panel to browse folders and select files.
4. The LC-display will show ID3 tag information (song title, artist name) for compatible files.



Figure 4: Front panel display and controls.

### 4. FM Tuner Operation

1. Press the **SOURCE** button to select FM tuner mode.
2. Use the tuning buttons on the remote or front panel to scan for FM stations.
3. You can preset your favorite stations for quick access. Refer to the full manual for detailed instructions on presetting stations.
4. FM broadcasts can be output via both analog and digital (coaxial/optical) connections.

### 5. Remote Control

The supplied remote control provides full functionality for the PD-301-X, including power, source selection, playback controls, track navigation, and FM tuning. Ensure fresh AAA batteries are installed correctly.

## MAINTENANCE

- **Cleaning the Unit:** Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Disc Handling:** Always handle CDs by their edges. Keep discs clean and free from scratches. Store them in their cases when not in use.
- **USB Drive Care:** Ensure USB drives are properly formatted and free from viruses. Safely remove the USB drive when not in use.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty.	Check power cable connection; try a different outlet.
No sound	Incorrect input selected on amplifier; audio cables loose/incorrectly connected; volume too low.	Select correct input on amplifier; check all audio cable connections; increase volume.
CD not playing/ejecting	Disc inserted incorrectly; disc is dirty or damaged; unit malfunction.	Re-insert disc correctly; clean disc; try a different disc. If issue persists, contact support.

Problem	Possible Cause	Solution
USB drive not recognized	USB drive not formatted correctly; unsupported file format; drive malfunction.	Ensure USB drive is FAT16/FAT32 formatted; check file formats (WAV, AAC, MP3, WMA); try a different USB drive.
Poor FM reception	Antenna not properly connected or positioned; weak signal.	Adjust antenna position; ensure secure connection. Consider an external FM antenna for better reception.

## SPECIFICATIONS

Feature	Detail
Brand	Teac
Model Name	PD-301-X
Color	Black
Connectivity Technology	USB
Special Features	FM Radio, CD-R/RW Compatible
Number Of Discs	1
Supported Audio Formats	WAV, AAC, MP3, WMA
Connector Type	USB-A, Coaxial Digital, Optical Digital, RCA Analog
Specific Uses For Product	Home Audio
Number of Channels	2
Media Format Type	CD-R, CD-RW, CD-DA
Compatible Devices	Amplifier, Receiver, External DAC, Speakers
Item Weight	2100 Grams
Dimensions (Approx.)	215mm x 232mm (8.5" x 9.1") - <i>Height not specified in provided data.</i>

## WARRANTY INFORMATION

The Teac PD-301-X comes with a **12-month warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, or to initiate a warranty claim, please refer to the official Teac website or contact their customer support.

## SUPPORT

For further assistance, technical support, or service inquiries, please visit the official Teac website or contact your local Teac dealer. You can find contact information and additional resources on the Teac support page.