

TEAC HR Audio Player

OWNER'S MANUAL

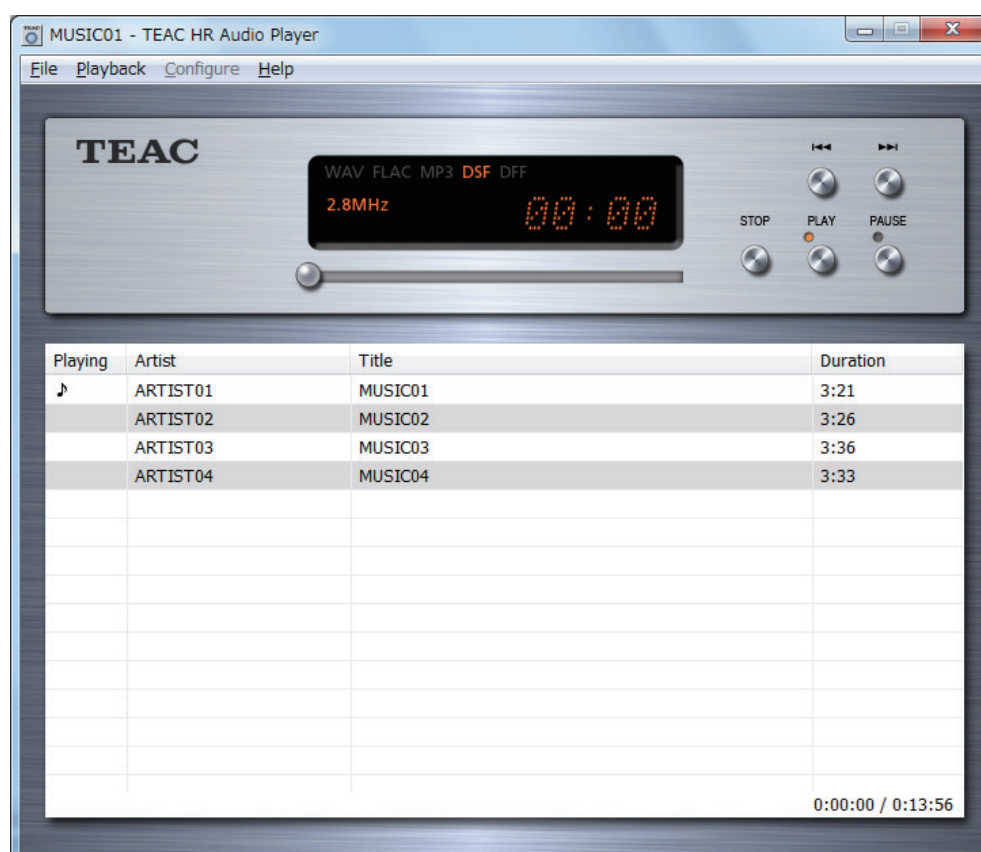


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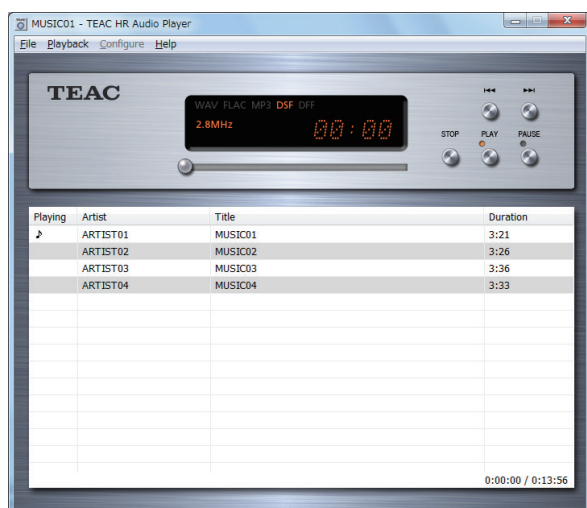
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Overview

Providing a high-resolution audio experience for everyone!

DSD 5.6 MHz / PCM 384 kHz audio file playback application for Windows/Mac



The new TEAC HR Audio Player is a high-quality music player application for Windows and Mac OS, with high-resolution audio data processing capabilities. Combining TEAC's new high-resaudio USB DAC units like the UD-501, will allow uncomplicated high-res audio listening for everyone.

While conventional DSD file playback applications require professional know-how and deep digital music format understanding, the TEAC HR Audio Player allows you to listen to your audio as soon as you plug in your TEAC unit and install the application. Simply drag-and-drop your music files onto the window of the application, sit-back and enjoy.

In order to maximize the connected unit's performance, a simplified screen of the TEAC HR Audio Player helps reduce CPU load time while data processing. Choose between ASIO2.1 and DoP modes when playing back DSD files from your Windows PC. Furthermore, the RAM Buffer Playback mode that stores the audio data onto the internal memory is supported for the ultimate digital audio playback conditions.

The TEAC HR Audio Player is a free application software download to help you playback and enjoy your high-res-audio files with ease.

Supported products and OS

Playback supported

AI-501DA, HA-P50, UD-H01, A-H01, NP-H750

- Playback of DSD files is not supported with these models.

Windows: Windows Vista (32/64-bit)
Windows 7 (32/64-bit)
Windows 8 (32/64-bit)
Windows 8.1 (32/64-bit)

Mac OS: OS X Lion (10.7)
OS X MountainLion (10.8)
OS X Mavericks (10.9)

(As of March, 2014)

DSD playback supported

UD-501, UD-301, AI-301DA

Windows: Windows Vista (32/64-bit)
Windows 7 (32/64-bit)
Windows 8 (32/64-bit)
Windows 8.1 (32/64-bit)

Mac OS: OS X Lion (10.7)
OS X MountainLion (10.8)
OS X Mavericks (10.9)

(As of March, 2014)

KEY FEATURES

Easy-to-use and high quality-sound with compatible TEAC models

Everyone can enjoy high-res-audio files with ease when paired with TEAC's highly regarded USB DAC Units, such as the UD-501. Unlike other professional audio playback applications, the HR Audio Player is simple to use, and doesn't require additional plug-ins for use.

ASIO 2.1 and DoP modes for DSD 2.8/5.6 MHz playback



A combination of the UD-501 and a Windows PC supports DSD Native playback, processing DSD data into analog audio signal directly, without prior PCM conversion. Both ASIO 2.1 and DoP (DSD Audio over PCM Frames) modes, as well as both 5.6 MHz and 2.8 MHz DSD files are also supported with this configuration.

Various high-res-audio file formats other than DSD are supported

Not only 2.8 MHz/5.6 MHz DSD file, both PCM and FLAC files are supported as well, up to 384 kHz.

Supported file formats (extension)

DSF (.dsf)	2.8/5.6 MHz
DSDIFF (.dff)	2.8/5.6 MHz
PCM (.wav)	44.1 kHz - 384 kHz, 16 bit - 32 bit
FLAC (.flac)	44.1 kHz - 384 kHz, 16 bit - 32 bit
MP3 (.mp3)	32 kbps - 320 kbps

- DSD file playback is limited to models that support it. Moreover, playback of files with formats that exceed the supported specifications of the equipment is not possible. For details, see the operation manual for the model being used.

DSD file playback on Mac

DoP mode playback is supported on Mac, for perfectly matched stylish designs like the UD-501.

Simplified screen design reduces CPU load and enhances sound quality

The TEAC HR Audio Player achieves the finest sound quality through high-res audio and operates with ease. A modest but sufficient screen design allows the CPU to concentrate on the extremely large digital audio data processing, and the RAM Buffer Playback function storing digital audio data on the PC memory. The TEAC HR Audio Player was designed specifically as an ideal digital audio delivery system.

Other functions

- Supports Playlists (Creating, Saving and Loading playlists)
- Repeat play by playlist or track
- Shuffle play by playlist

Settings in Windows (1)

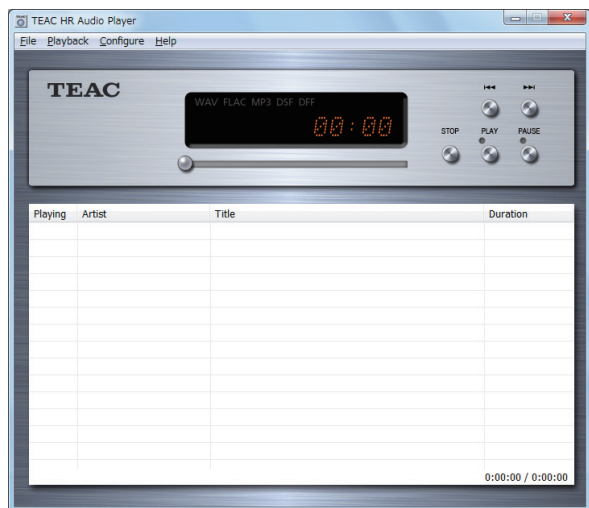
Starting the software

TEAC HR Audio Player does not use an installer. Double-click the TEAC-HRAudioPlayer.exe program file inside the folder that appears when the downloaded file is opened.

Place the folder on the desktop or anywhere else you like.

NOTE: Start this software after connecting the USB DAC device.

The Main screen appears when the TEAC HR Audio Player is launched.



Precautions before use

Do not remove the TEAC-HRAudioPlayer.exe program that is in the folder that appears after downloading.

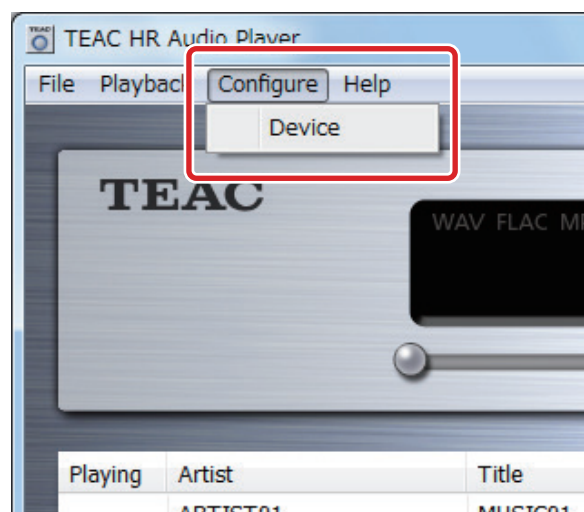
If a "Plugin" folder and a "wasapirenderer.dll" file are not in the same folder as this program, it will not function properly.

Deleting the software

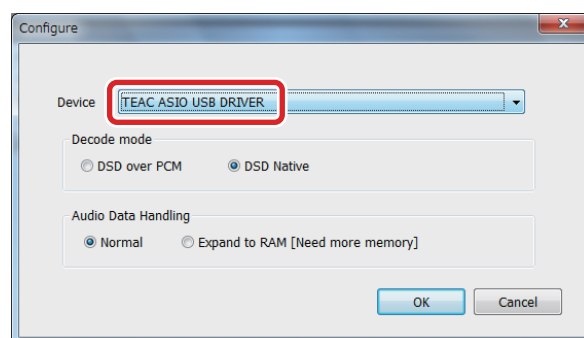
If you want to delete the TEAC HR Audio Player software, delete the folder that contains the TEAC-HRAudioPlayer.exe program file.

Setting the device (USB DAC Unit)

Select [Device] from the [Configure] menu.



[Configure] window appears. Select the connected USB DAC from the [Device] menu.



This allows the PC to output the audio signal to the USB DAC.

- If this software is started before the USB DAC device, the device settings might be erased. If this occurs, after connecting the device, start the software and then set up the device again.

Settings in Windows (2)

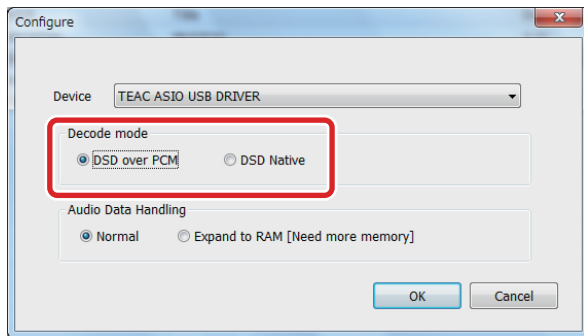
To playback in finer audio quality (Advanced settings)

Selecting DSD decoding mode

On the TEAC HR Audio Player Windows version, you are able to choose decoding mode.

Select [Device] from the [Configure] menu.

A [Configure] window appears, and choose [DSD over PCM] or [DSD Native] from the [Decode mode] menu, as you prefer.



[DSD over PCM]

This is a playback method called DoP (DSD Audio over PCM Frames). The DSD data is embedded into PCM format for transfer.

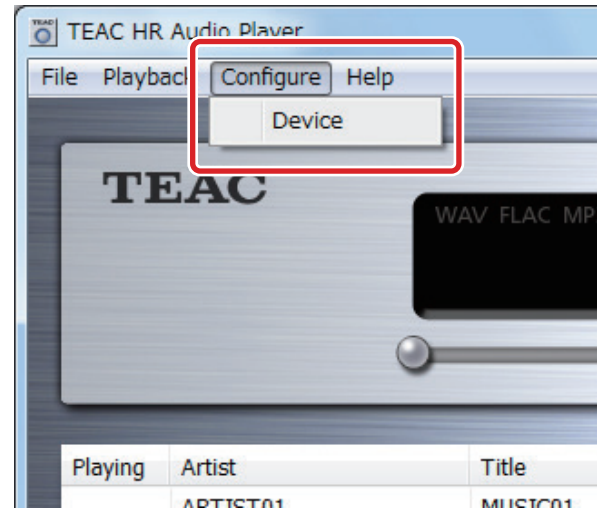
[DSD Native]

Thanks to the ASIO 2.1 driver, the DSD data is directly transferred, without prior PCM conversion.

Selecting data loading method

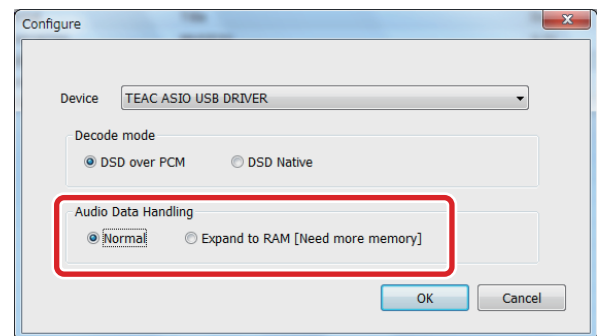
File accessing methods are selectable for music file playback.

Select [Device] from the [Configure] menu. A [Configure] window appears.



Choose [Normal] or [Expand to RAM] from the [Audio Data Handling] menu.

Tip: To playback a finer audio quality, choose the [Expand to RAM].



[Normal]

Reading digital audio data by normal file access mode.

[Expand to RAM]

Storing digital audio data on to the RAM (Random Access Memory) of your PC. This allows your PC to process stored data on the RAM by canceling file access during playback, and allowing the system to playback in the finest audio quality.

- When the [Expand to RAM] mode is selected, it may take extra time to start playback on a slower PC.

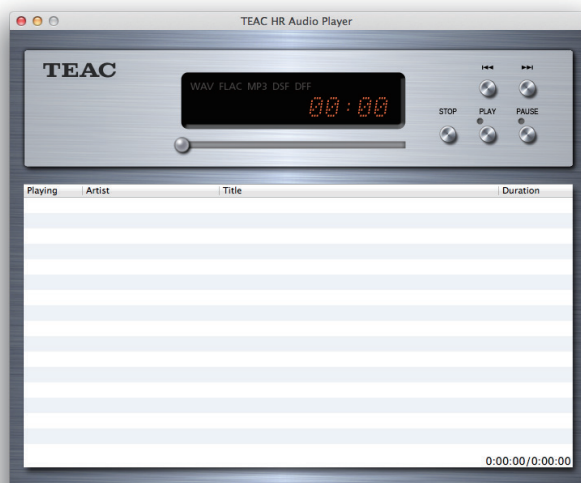
Settings in Mac OS (1)

Starting the software

TEAC HR Audio Player does not use an installer. Double-click the TEAC HR Audio Player icon inside the folder that appears when the downloaded file is opened.

Place the folder on the desktop or anywhere else you like.

NOTE: Start this software after connecting the USB DAC device.

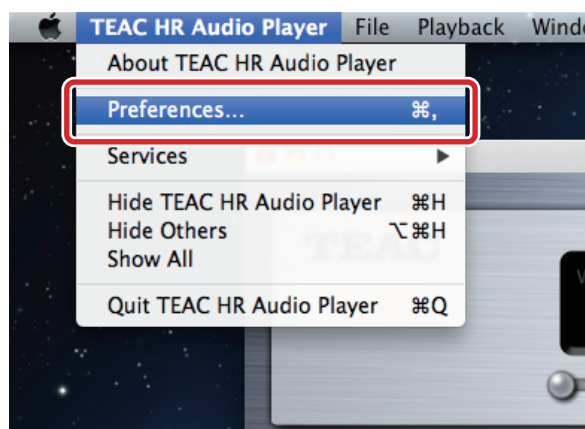


Deleting the software

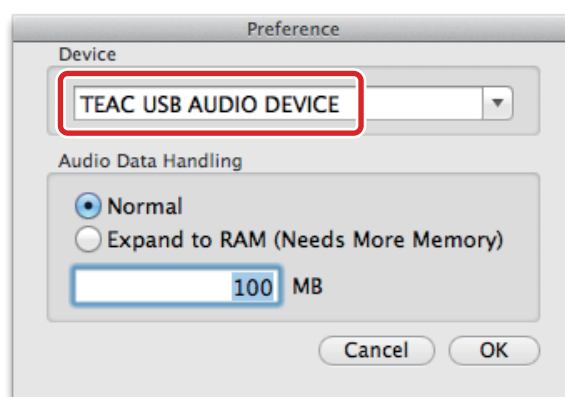
If you want to delete the TEAC HR Audio Player software, delete the folder that contains the TEAC HR Audio Player icon.

Setting the device (USB DAC Unit)

Select [Preferences...] from the [TEAC HR Audio Player] menu.



A [Preference] window appears. Select the connected USB DAC from the [Device] menu.



This allows the PC to output the audio signal to USB DAC.

- If this software is started before the USB DAC device, the device settings might be erased. If this occurs, after connecting the device, start the software and then set up the device again.

Settings in Mac OS (2)

To playback in finer audio quality (Advanced settings)

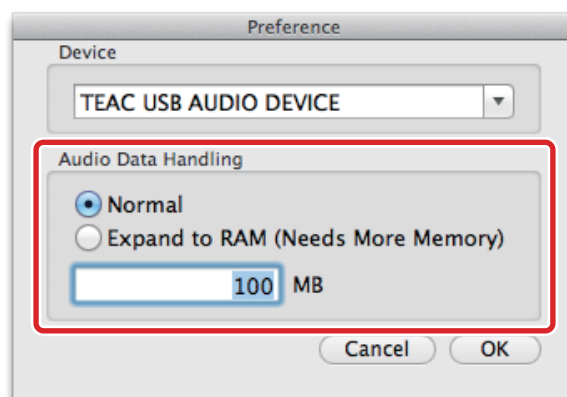
Selecting data loading method

File accessing methods are selectable, to playback music files.
Select [Preferences...] from the [TEAC HR Audio Player] menu. A [Preferences] window appears.



Choose [Normal] or [Expand to RAM] from the [Audio Data Handling] menu.

Tip: To playback in a finer audio quality, choose [Expand to RAM].



[Normal]

Reading digital audio data by normal file access mode.

[Expand to RAM]

Storing digital audio data on to RAM (Random Access Memory) allows your PC to process stored data on the RAM by canceling file access during playback, allowing the system to playback the finest audio quality. When [Extend to RAM] is selected, you can allocate maximum size of memory as you need, to load entire data of the music file you listen to.

- When the [Expand to RAM] mode is selected, it may take extra time to start playback, on a slower PC.

Making settings (1)

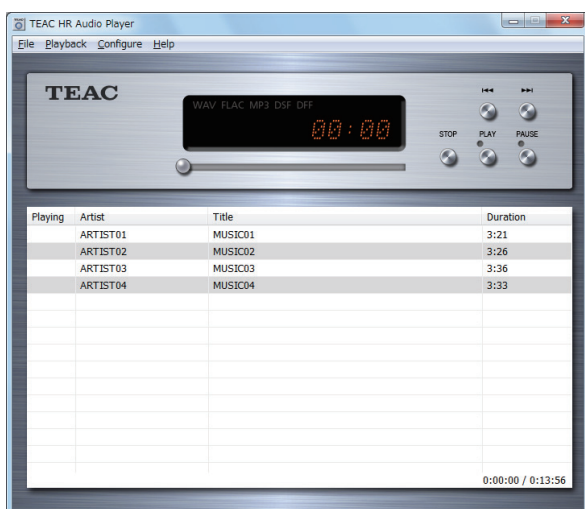
Settings are made in the same way for both the Windows and Mac OS versions. In this manual, we explain these procedures using the Windows version.

Preparing the music files

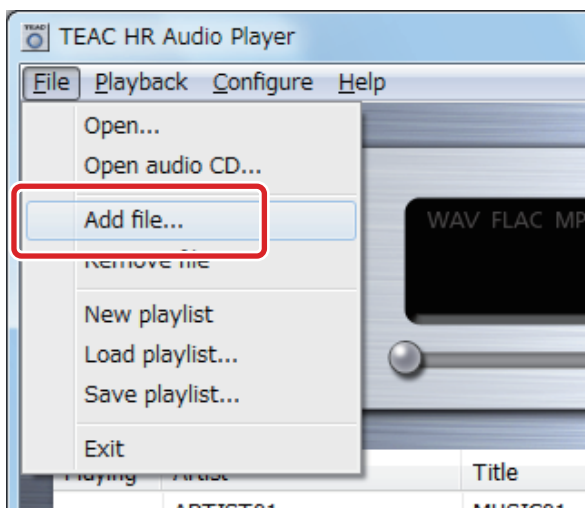
Prepare the music files that you want for playback using TEAC HR Audio Player.

In the lower part of the main window, the "Playlist," add your music files by following the steps listed below.

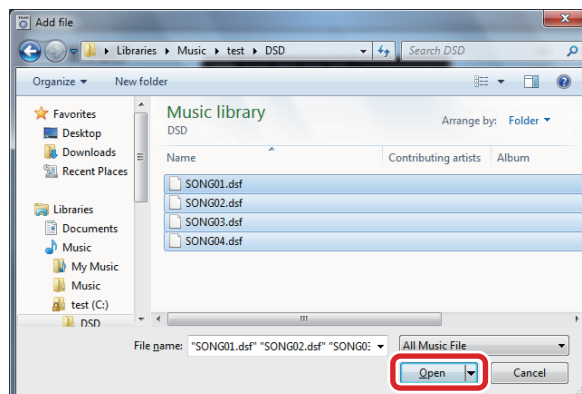
- You can also add your music files by dragging and dropping your music files directly into the Playlist.



Select [Add file...] from the [File] menu at the top-left of the main window. An [Add file] window appears.



Browse and select target files, then click the [Open] button to add them to the Playlist of the TEAC HR Audio Player. Multiple files can be selected at once.



Making settings (2)

Play back the music files

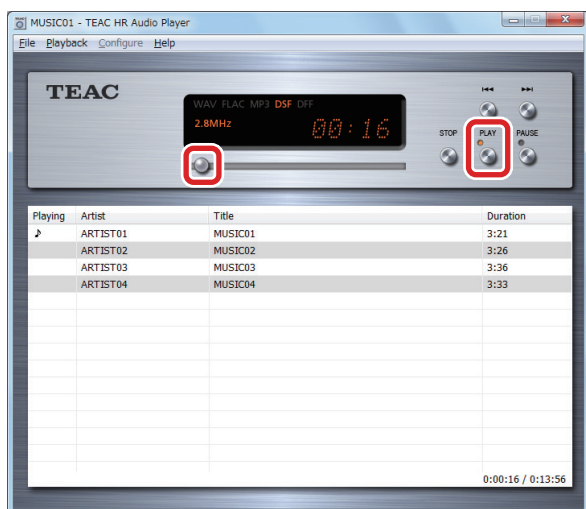
After creating a playlist, click the [PLAY] button to start playback from the beginning of the list.

Click the [Stop] button to stop, or click the [Pause] button to pause.

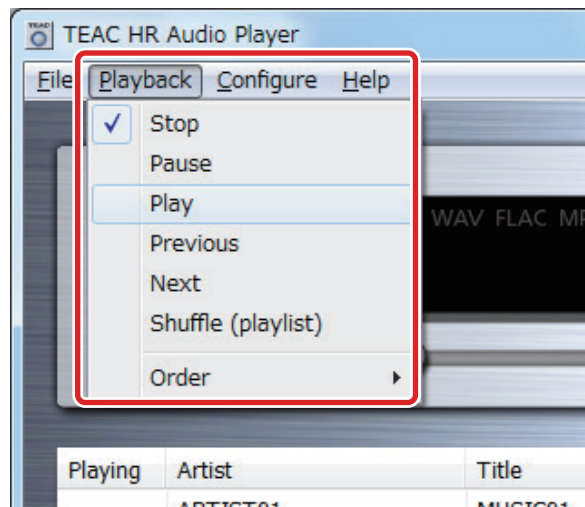
After stopping playback with the [STOP] button, press the [PLAY] button again to start playback from the beginning of the file where playback was stopped.

To start playback of any specific file, double-click that file's line in the list.

During playback, you can use the mouse to move the slider below the time display to change the playback position as desired.



Alternatively, the following controls are accessible from the [Playback] menu at the top-left.



[Stop]

Stop the music.

[Pause]

Pause the music.

[Play]

Start playback.

[Previous]

Go back to the previous music file in the Playlist.

[Next]

Go to the next music file in the Playlist.

[Shuffle(playlist)]

Start shuffle play in the Playlist.

[Order]

Select type of repeat play from this menu.

[Order]>[Default]

No repeat playback

[Order]>[Repeat(playlist)]

Repeat all music files in the Playlist.

[Order]>[Repeat(title)]

Repeat the selected music file.

Making settings (3)

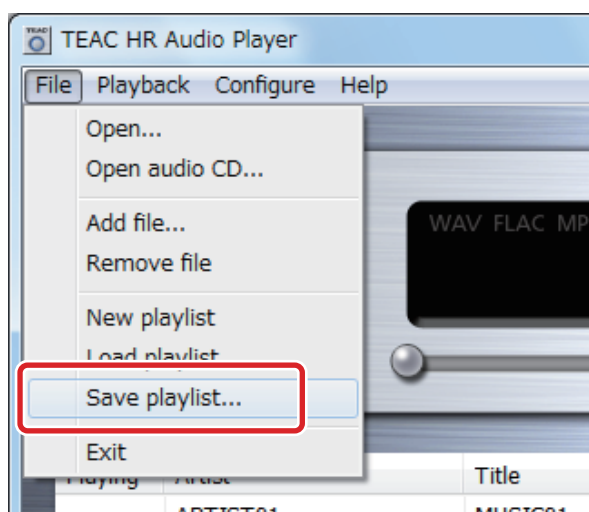
Managing the Playlists

The added music files to the Playlist can be saved. It is convenient to save your favorite music files as a Playlist.

- Unless you save the Playlist, added music files in the list will disappear when the TEAC HR Audio Player is shut down.

Saving the Playlist

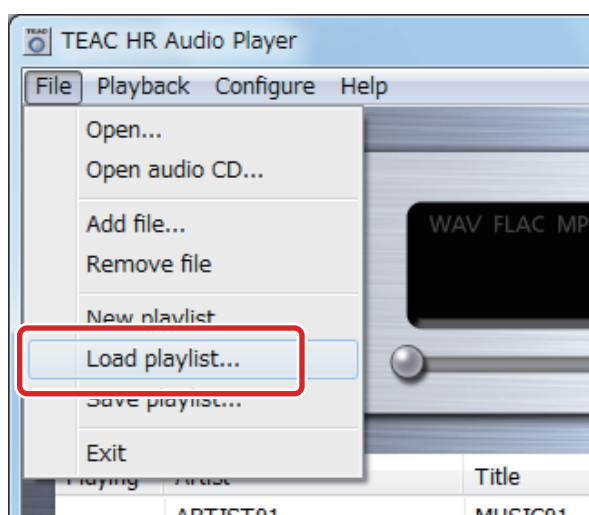
Select [Save] from the [File] menu, after you added music files to the Playlist. A [Save playlist] windows appears, then click the [Save] button after you choose an appropriate location, to save the Playlist on your PC.



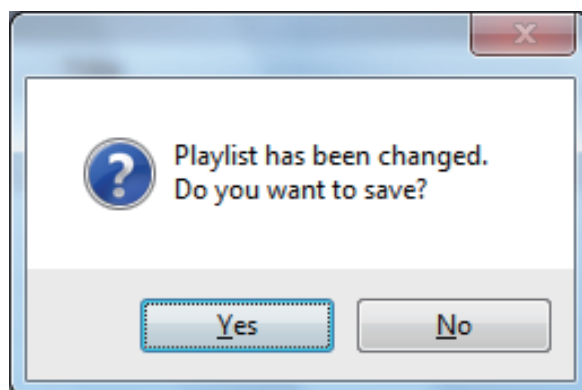
Loading a Playlist

After the TEAC HR Audio Player is launched, the main window shows nothing in the Playlist. By loading the previously saved Playlist you are ready to playback your favorite music files. Alternatively, you are able to switch to another Playlist, when music files are displayed in the Playlist. It is recommended to create multiple Playlist by genre or file formats, to switch between them quickly.

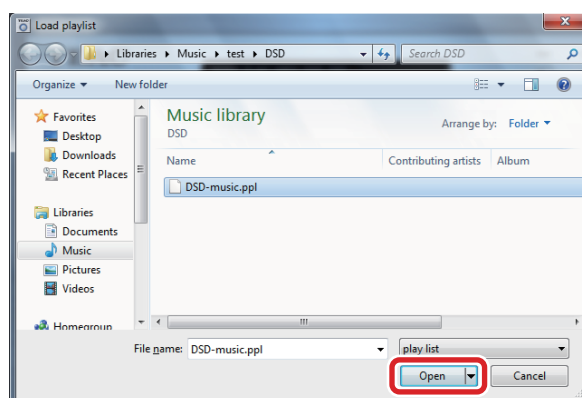
Select [Load playlist] from the [File] menu.



If music files are added to the Playlist (or another Playlist is loaded), an alert window appears. To save the current music file list in the Playlist, click [Yes] to save. To discard the current music file list in the Playlist, click [No] to discard.



A [Load playlist] windows appears. Choose a target Playlist (extension .ppl) from the appropriate location on your PC, and click the [Open] button to load the selected Playlist.



Software changes

Windows

Version 1.0.0.8

- Support has been added for the UD-301, AI-301DA and HA-P50 models.
- Support has been added for some MP3 files that could not be played back before.
- Support was added for the latest USB driver (version 1.1.2.2) for models that do not support DSD file playback. Use TEAC HR Audio Player version 1.0.0.8 when using USB driver version 1.1.2.2 or newer.
- When playing back using EXPAND to RAM mode, the maximum amount of memory that can be used has been increased. This allows more data to be loaded when playing back high-quality audio with a computer that has a large amount of RAM.
- Windows 8.1 is now supported.

Version 1.0.0.5

- Track titles and artist names in WAV files that have been set using UTF-8 (Unicode) character encoding can now be shown properly.
- If the tag information (track title and artist name) of a file in a playlist included a double quotation mark (") character, that file would be removed from the playlist during saving. This has been fixed. This fix applies to new playlists created using version 1.0.0.5 or later.

Version 1.0.0.4

- When using DFS files, the software would fail to detect song title and artist name information resulting in only the file name being shown in the playlist. This has been fixed. (This problem occurred when the amount of character data for an information item exceeded 127 bytes.)

Version 1.0.0.3

- The NP-H750 is now supported.
- If a USB connection was ended and then reconnected while the TEAC HR Audio Player was still operating (playback stopped), Windows would freeze. This has been fixed.

Mac

Version 1.0.0.2

- Support has been added for the UD-301, AI-301DA and HA-P50 models.
- OS X Mavericks (10.9) is now supported.

Version 1.0.0.1

- The track titles and artist names of WAV files can now be shown. (Support for display of UTF-8 (Unicode) character encoding is also supported as in Windows version 1.0.0.5.)