

## Taiko Extreme Roon Settings

### Guide to making the ideal Roon settings on the Taiko Extreme

- Disable the Music Folder
- Set Background audio analysis to Off
- Set On-Demand audio analysis to Off
- Do not enable any audio zone except ASIO
- Select DSD strategy
- Set Resync Delay to zero
- Select your DAC's maximum sample rate and bit depth
- Disable DSP and remove filters

### Note

Each Roon Zone has its own settings and the below settings pertain to the default Roon Zone. If a new DAC is introduced or the Zone is removed and re-added, the settings may need to be re-made.

Some of these settings can revert after a Roon update.

### Open the Hamburger Menu



30 October 2020

## On Vacation

Bob James / Till Brönner



JAZZ CONTEMPORARY JAZZ JAZZ-POP SMOOTH JAZZ CROSSOVER JAZZ

During the summer of 2019, Bob James met Till Brönner at La Fabrique, a residential studio located inside a 200-year-old mansion in Saint-Rémy-de-Provence, France. Intent on relaxing while making music, they sought to mentally transport listeners (and themselves) to places and spaces they wanted to

Length  
Rating  
Format  
Images

1hr 7min  
★★★★☆  
FLAC 96kHz 24bit  
1 PDF

## Select Settings

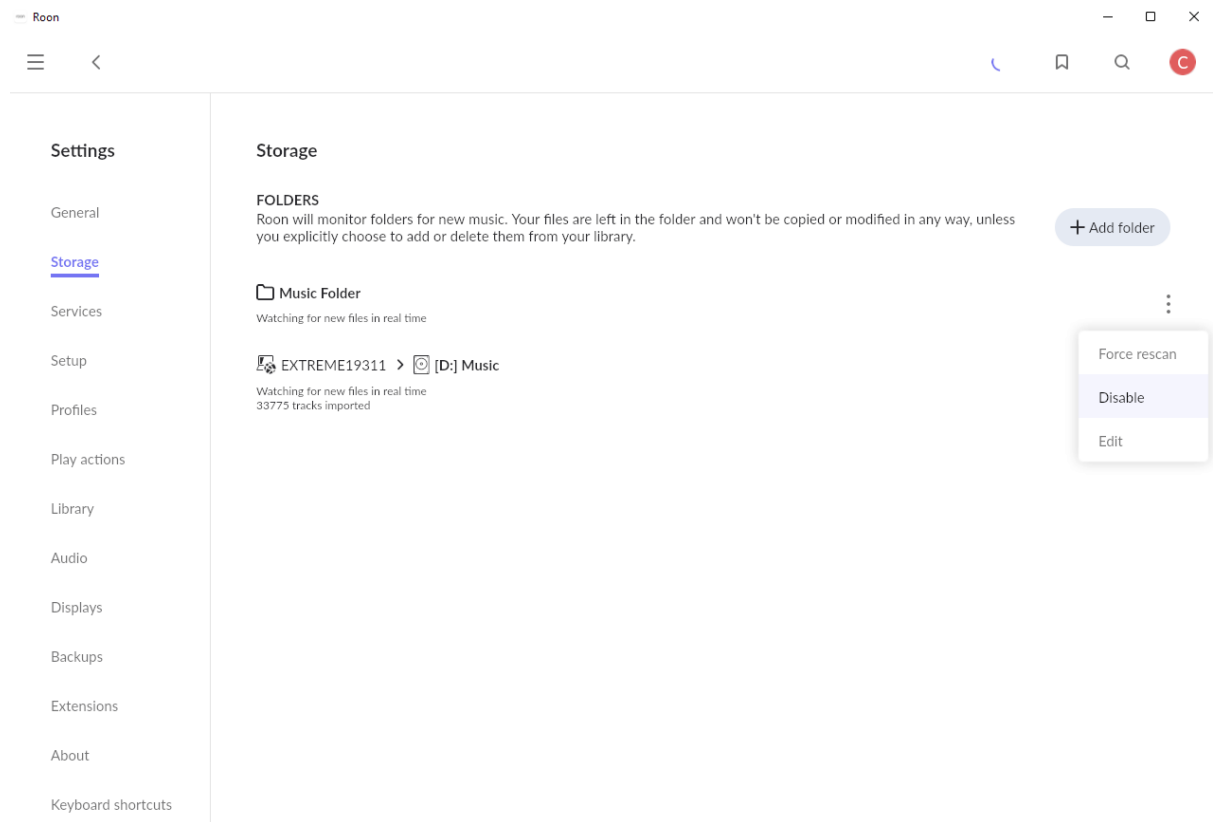
The image shows a screenshot of the Roon music player interface. On the left, a sidebar menu is visible with the following sections:

- Browse**
  - Home
  - Genres
  - Qobuz
  - Live Radio
- My Library**
  - Albums
  - Artists
  - Tracks
  - Composers
  - Compositions
  - My Live Radio
- My Stuff**
  - Playlists
  - Tags
  - History
  - Settings** (highlighted with a red circle)
  - Community
  - Support
- Enter full screen

The main content area displays the album 'On Vacation' by Bob James / Till Bronner, released on 30 October 2020. The album cover features a close-up of a person's face. Below the album title, there are playback controls: a 'Play now' button, a '+' button, and a '...' button. Genre tags include JAZZ, CONTEMPORARY JAZZ, JAZZ-POP, SMOOTH JAZZ, and CROSSOVER JAZZ. The album's length is 1hr 7min, with a rating of four stars. The format is listed as FLAC 96kHz 24bit, and there is 1 PDF available. At the bottom, there are tabs for TRACKS, CREDITS, and VERSIONS. A 'Filter' button is located in the bottom right corner.

If enabled, disable the Music Folder  
(Roon should only index the Extreme Music Drive D:)

### Settings - Storage



After disabling the Music Folder, this is what this section should look like:



# Select Library

## Settings - Library

Roon

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**Settings**

- General
- Storage
- Services
- Setup
- Profiles
- Play actions
  - Library**
- Audio
- Displays
- Backups
- Extensions
- About
- Keyboard shortcuts

### Library

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**Import settings**  
Settings relating to how your music files are imported into Roon. [View](#)

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**Un-merge artists**  
This allows you to Un-merge artists previously merged via editing. [View](#)

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**Un-Merge compositions**  
This allows you to un-merge works previously merged via editing. [View](#)

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**Genre mappings**  
Map genres embedded in your music files to genres within Roon. [View](#)

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**Skipped files**  
See a list of files that Roon skipped while importing. [View](#)

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**Library maintenance**  
Clean up stale data in your library database. [Clean up library](#)

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**Background audio analysis speed**  
Music files in your library are analyzed to generate the data that drives volume leveling, crossfade, and waveform displays. Throttled

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**On-demand audio analysis speed**  
When a music file that hasn't yet been analyzed is played, analysis is performed on-demand. Throttled

## Set Background audio analysis speed to Off

### Settings – Library – On-demand audio analysis speed

The screenshot shows the Roon application settings. The left sidebar contains a list of settings categories: Settings, General, Storage, Services, Setup, Profiles, Play actions, Library (highlighted), Audio, Displays, Backups, Extensions, About, and Keyboard shortcuts. The main content area is titled 'Library' and contains several sub-sections: 'Import settings', 'Un-merge artists', 'Un-Merge compositions', 'Genre mappings', 'Skipped files', 'Library maintenance', 'Background audio analysis speed', and 'On-demand audio analysis speed'. The 'On-demand audio analysis speed' setting is selected, and a dropdown menu is open, showing options: Throttled, Fast (1 core) through Fast (23 cores), and a 'Clean' button. The 'Off' option is circled in red.

## Set On-Demand audio analysis to Off

### Settings – Library – On-demand audio analysis speed

**On-demand audio analysis speed**  
When a music file that hasn't yet been analyzed is played, analysis is performed on-demand.

The dropdown menu shows the following options: Off (selected), Fast, Throttled, and Off.

# Do not enable any audio zone except ASIO

## Settings – Audio







Roon

Settings

- General
- Storage
- Services
- Setup
- Profiles
- Play actions
- Library
- Audio**
- Displays
- Backups
- Extensions
- About
- Keyboard shortcuts



### Audio



This PC

 <b>System Output</b> Audio will play out the default device.	<input type="button" value="Enable"/>	 <b>NVIDIA High Definition Audio</b> WASAPI	<input type="button" value="Enable"/>
 <b>Realtek(R) Audio</b> WASAPI	<input type="button" value="Enable"/>	 <b>Realtek(R) Audio</b> WASAPI	<input type="button" value="Enable"/>
 <b>JRiver Media Center 24</b> ASIO	<input type="button" value="Enable"/>	 <b>Realtek ASIO</b> ASIO	<input type="button" value="Enable"/>


### Connected to Core

These devices are connected to your Core directly.


 <b>System Output</b> Audio will play out the default device.	<input type="button" value="Enable"/>	 <b>CH Precision C1</b> WASAPI	<input type="button" value="Enable"/>
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**ASIO**  

**roon** mu1-003037  
192.168.178.213  
Linux 4.19.10-tinycore64

 <b>Grimm Audio MU1</b> ALSA	<input type="button" value="Enable"/>
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**roon**  
READY

 <b>CH Precision C1</b> DEVICE INFO 192.168.178.199	<input type="button" value="Enable"/>
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## Select DSD strategy

Settings – Audio – ASIO – Device Setup

Find the ASIO Zone, click the gear wheel and select 'Device Setup'



In the Device Setup popup window, select the appropriate DSD transport stream according to your DAC's capabilities. The setting should always be Native, unless that option is not available. Some DACs cannot process DSD directly, in which case it should be set to DoP most of the time.

Settings – Audio – ASIO – Device Setup – DSD Playback Strategy

### Device setup

[Load defaults](#)

#### Audio device



Unidentified device

**Taiko Audio USB Audio Device**

[? Identify this device](#)

#### Private zone

Private zones can only be controlled from the machine where the audio hardware resides. They do not participate in grouped playback.

No

#### DSD playback strategy

DSD over PCM v1.0 (DoP) ▲

Convert to PCM

Native

DSD over PCM v1.0 (DoP)

Initial dCS method

0ms ▼

#### MQA capabilities

#### Volume control

#### Resync Delay

This setting causes Roon to pre-roll a period of silence each time it switches formats. This gives hardware a chance to synchronize to the new format before the music starts.

Save

Cancel

## Set Resync Delay to 0ms

*Settings – Audio – ASIO – Device Setup – Resync Delay*

Set Resync Delay to '0ms' unless your DAC needs some time to lock after Sample Rate changes. If the first few milliseconds of a track are cut off, you can try setting this to a higher value.

### Resync Delay

This setting causes Roon to pre-roll a period of silence each time it switches formats. This gives hardware a chance to synchronize to the new format before the music starts.

0ms ▼



Select your DAC's maximum sample rate and bit depth

*Settings – Audio – ASIO – Device Setup – Show advanced*

In the same Device Setup popup window as used for the previous step, click 'Show advanced'

**Device setup** [Load defaults](#)

 [? Identify this device](#)

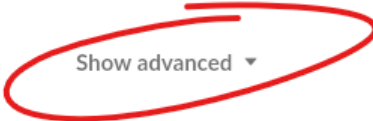
**Private zone**  
Private zones can only be controlled from the machine where the audio hardware resides. They do not participate in grouped playback.  No

DSD playback strategy DSD over PCM v1.0 (DoP) ▼

MQA capabilities No MQA support ▼

Volume control Fixed volume ▼

**Resync Delay**  
This setting causes Roon to pre-roll a period of silence each time it switches formats. This gives hardware a chance to synchronize to the new format before the music starts. 0ms ▼

 **Show advanced** ▼

## Device setup

[Load defaults](#)

[Hide advanced](#) ▲

Max sample rate (PCM) Up to 384kHz ▼

Max bits per sample (PCM) 24 ▼

Max sample rate (DSD) Up to DSD128 ▼

Zone grouping delay (ms)

Clock master priority Default ▼

Enable MQA core decoder  No

Use maximum Buffer size  No

Save

Cancel

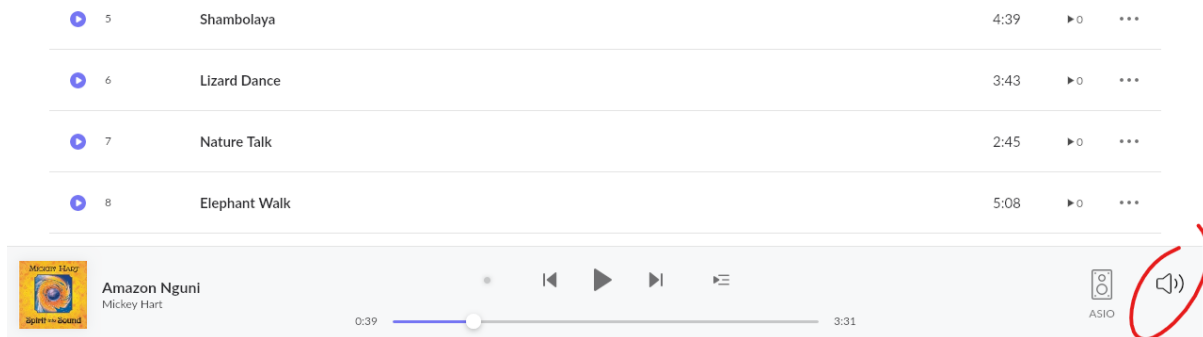
- Select your DAC's maximum Sample Rate for PCM
- Select your DAC's native bits per sample for PCM (bit depth)
- Select your DAC's maximum sample rate for DSD

Note: You can also check your DAC's ideal bit depth in our 'Guide to selecting USB Profiles' document that is also available for download from the Taiko website. The same guide will specify which USB profile to load for the best interaction of the Extreme Server with your DAC model.

Disable DSP and remove filters

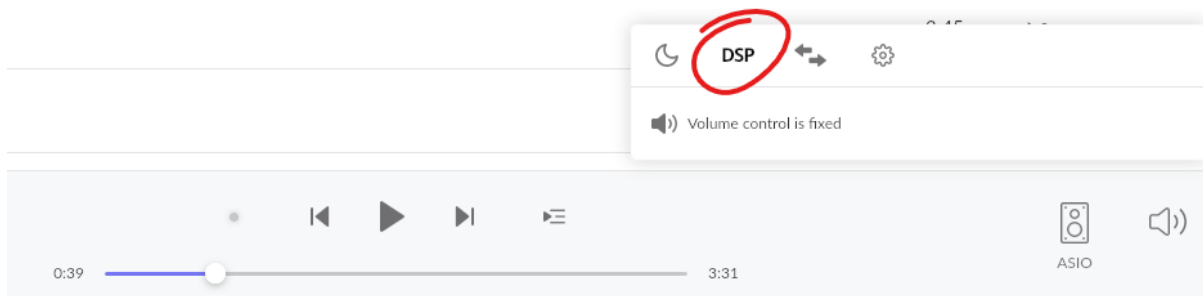
Home – Speaker icon

Click the speaker icon at the right-hand bottom



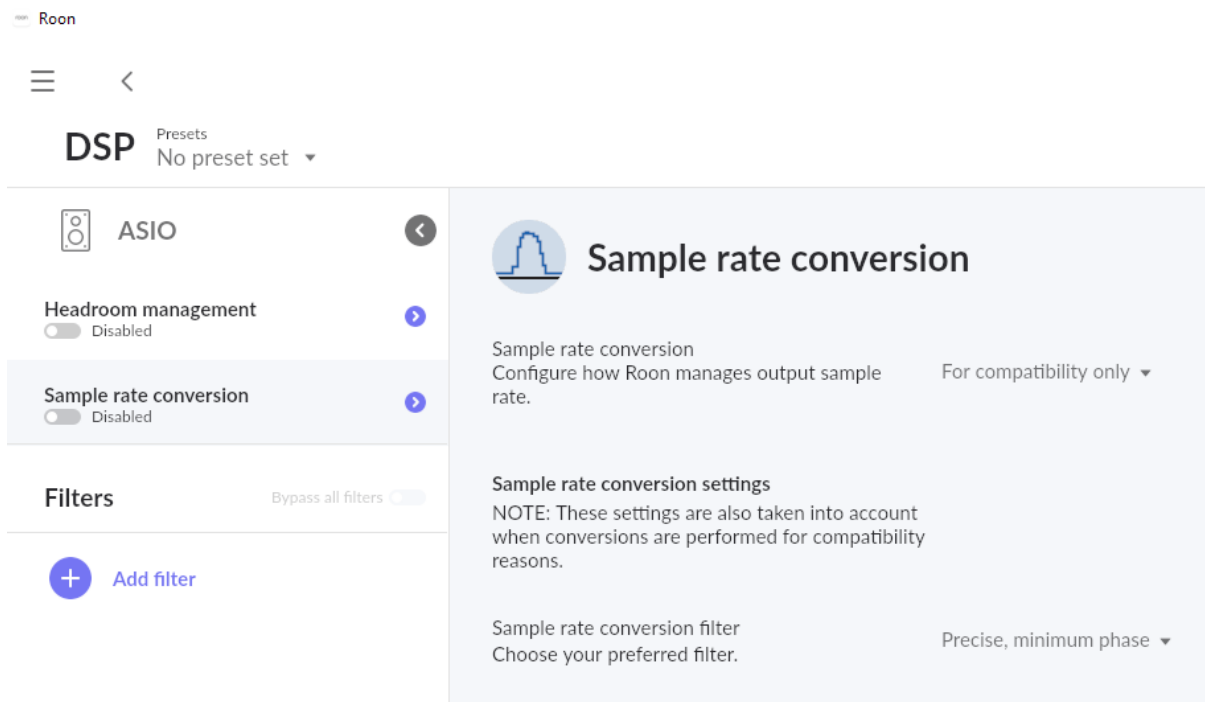
Click 'DSP'

Home – Speaker icon



This will open the following DSP screen

*Home – Speaker icon – DSP*



Confirm that Headroom management is disabled

Confirm that Sample rate conversion is disabled

Confirm that no Filters have been added

Added filters can be removed by clicking 'Remove filter' as illustrated below.

The screenshot displays the 'Parametric EQ' interface. On the left, there is a sidebar with various DSP options: ASIO, Headroom management (Disabled), Sample rate conversion (Disabled), and Filters. The 'Filters' section is active, showing 'Parametric EQ' as 'Enabled' with an 'Add filter' button. The main area features a frequency response graph with a logarithmic x-axis (32, 64, 125, 250, 500, 1k, 2k, 4k, 8k, 16k) and a linear y-axis (-24dB to +12dB). A single filter band, 'Band 1', is visible, with its parameters: Frequency (100 Hz), Gain (0 dB), and Q (1). The filter type is set to 'Low shelf'. A red circle highlights the 'Remove filter' button in the top right corner of the graph area.

## Addendum

### Multi-channel mixing

This is a user preference. Unless you have a surround setup, leave it at "Downmix as needed". This only applies to multichannel music, where 2-channel users will want Roon to mix the multiple channels into 2 for the main speakers.

### Use Maximum Buffer Size

Leave at default "No" setting.

### Power-Of-2 Hardware Buffer Size

Leave it at the default "No" setting.

See below quote from the Roon site for more info.

[https://help.roonlabs.com/portal/en/kb/articles/audio-setup-basics#Clock\\_Master\\_Priority](https://help.roonlabs.com/portal/en/kb/articles/audio-setup-basics#Clock_Master_Priority)

*Use Power-Of-2 Hardware Buffer Size (CoreAudio Exclusive Mode + ASIO only)*

*This one is sort of like Use Max Hardware Buffer Size except it forces buffer sizes to the nearest power of 2 instead of the largest possible size. This is a workaround for bugs in some audio drivers and devices. It's worth a shot if you're experiencing dropouts, clicks, or pops during playback, but in 99% of cases, it adds nothing of value. We don't recommend turning this on unless it solves problems for you.*