

# Reaper CSV Import

Idea and Implementation by Oliver Waits. Available on GitHub at <https://github.com/owaits/avolites-reaperImport>.

Another port - just a plain HTML/Javascript page - is available at [https://www.avolites.de/downloads/icke\\_siegen/ReaperReader](https://www.avolites.de/downloads/icke_siegen/ReaperReader). See below (end of this document).

Defining and adjusting the correct Timecode timestamps in Titan can be an arduous work, with lots of trial and error. This is where Reaper CSV Import comes into play: within [Reaper](#) it is much easier to define exact timestamps (called Markers in Reaper).

## The quick version

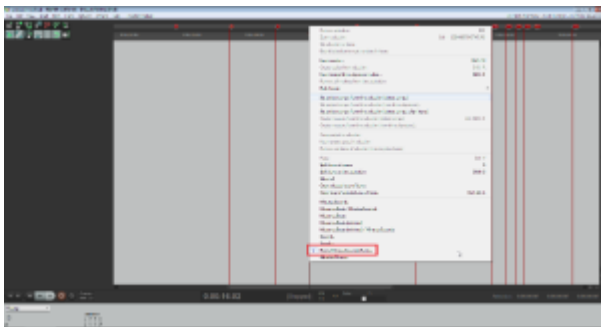
1. in Reaper, set the timeline to be displayed in HH:MM:SS:FF
2. load the track and create your markers as needed
3. open Region/Marker Manager
4. right-click in Region/Marker manager, Export Project Regions/Markers, save as csv
5. open the Reaper CSV Import website
6. connect to your Titan console or PC suite which at least has an empty cueлист, load the exported csv file, select the cueлист and click **Import**.

This way your cueлист has magically learned the markers you created in Reaper - you can then play the track from Reaper (with [SMPTE Timecode](#), you can play it with [Winamp](#) (in that case adjust the frame numbers in Reaper), or use any other DAW or video player.

## The long version

### 1. Set timeline format

Titan expects timestamps with four nibbles: hh:mm:ss:ff (for: hours, minutes, seconds, frames). Hence, the csv file needs to contain the correct format as well, and setting Reaper correctly is the easiest way to do this. Right-click in the Timeline area, and from the context menu select **Hours:Minutes:Seconds:Frames**

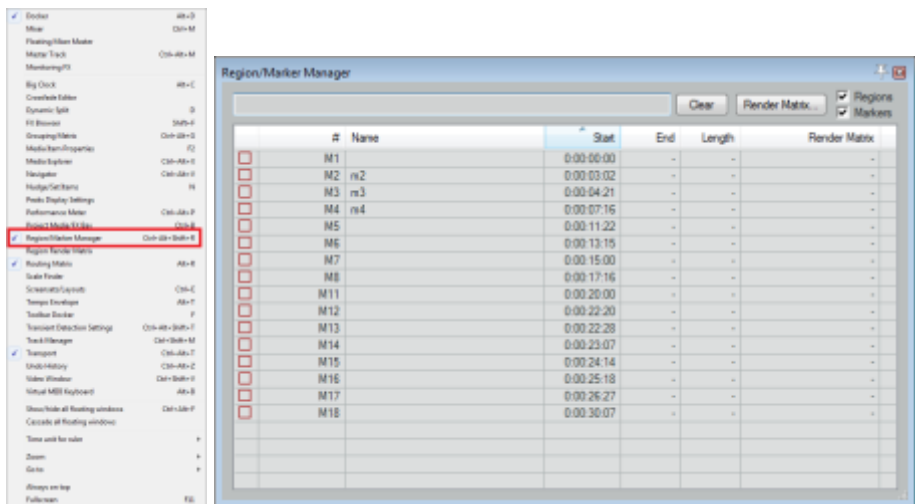


## 2. Create Markers

With your track loaded, edited as needed, maybe timecode added, create your markers. The easiest way is to use the keyboard: the spacebar plays/pauses, and the M key inserts a marker at the current time. Later, holding the Ctrl key, you can easily click and move markers to adjust.

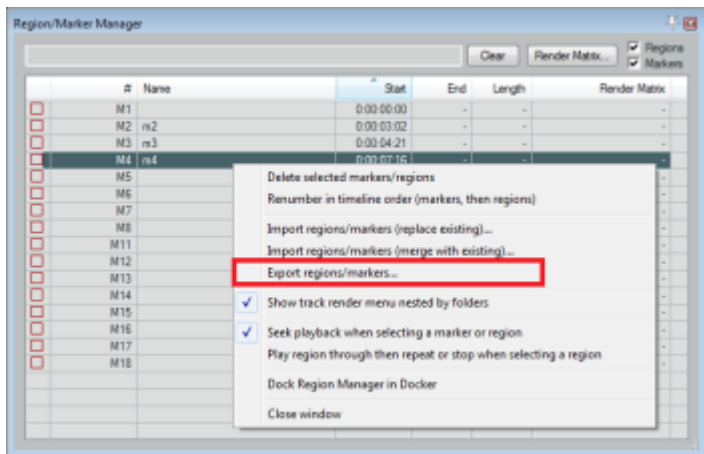
## 3. Open the Regions/Marker Manager

Either from the View menu or with Ctrl Alt Shift R



## 4. Export Markers as csv

Inside the Regions/Marker Manager you can further tweak your markers, give them names etc. Finally, right-click, from the menu select Export regions/markers..., and save it as csv to a suitable folder.



If you want you can open the file in a text editor and have a look:

```

1 #,Name,Start,End,Length
2 M1,,0:00:00:00,,
3 M2,m2,0:00:03:02,,
4 M3,m3,0:00:04:21,,
5 M4,m4,0:00:07:16,,
6 M5,,0:00:11:22,,
7 M6,,0:00:13:15,,
8 M7,,0:00:15:00,,
9 M8,,0:00:17:16,,
10 M9,,0:00:19:13,,
11 M10,,0:00:21:27,,
12 M11,,0:00:22:10,,
13 M12,,0:00:22:20,,
14 M13,,0:00:22:28,,
15 M14,,0:00:23:07,,
16 M15,,0:00:24:14,,
17 M16,,0:00:25:18,,
18 M17,,0:00:26:27,,
19 M18,,0:00:30:07,,
20

```

### 5. Open Reaper CSV Import

Find it at <https://owaitis.github.io/avolites-reaperImport/>

### 6. Connect, Select, Import

1. connect to your console. Here I hae the Titan Simulator running on the same machine that's why 'localhost' is okay

#### Reaper CSV Import

Console IP Address:

2. choose and load the file you have just exported

Please select the reaper CSV to import:

 reaper\_2.csv 

3. now the bottom of the page shows the cues and timestamps found in the file:

Cue	Legend	Timecode
M1		0:00:00:00
M2	m2	0:00:03:02
M3	m3	0:00:04:21
M4	m4	0:00:07:16
M5		0:00:11:22
M6		0:00:13:15
M7		0:00:15:00
M8		0:00:17:16
M9		0:00:19:13
M10		0:00:21:27
M11		0:00:22:10
M12		0:00:22:20
M13		0:00:22:28
M14		0:00:23:07
M15		0:00:24:14
M16		0:00:25:18
M17		0:00:26:27
M18		0:00:30:07

4. select the cuelist you want to set the timestamps and click Import

Please select the cue list to apply the timecode to:

Cue List 1

This will result in your cue list being updated with the correct legends and timestamps. If there are more cues in the csv file than in the Titan show then new cues will be appended.

Playback Ansicht - Cue List 1

Cues	Legende	Effect Speed	Timecode	No	
Options	1	Cue 1	× 1	00:00:00.00	
Show All	2	m2	× 1	00:00:03.02	
Times	3	m3	× 1	00:00:04.21	
	4	m4	× 1	00:00:07.16	
	5	Cue 5	× 1	00:00:11.22	
	6	Cue 6	× 1	00:00:13.15	
	7	Cue 7	× 1	00:00:15.00	

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