

# Complete User Manual

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## Web AD Editor Complete User Manual

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Dissemination Level

P	Public	X
C	Confidential, only for members of the consortium and the Commission Services	

**Abstract:**

This document is meant to be a complete user manual for professional users who wish to use ImAc Web Audio Description Editor.

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## 1. INTRODUCTION

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This document aims to be a complete user manual for professional users who wish to use the ImAc Web AD Editor for the first time.

ImAc project, which has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761974 is looking for development of solutions for accessibility services in immersive environment.

One of the main objectives – among many – of ImAc is development of online editors aimed to **professional users** who wish to produce access services for 360° environments. Stakeholders of this environment are broadcasters and access service providers who wish to use the editors to produce access services. Being influenced from ImAc framework and with an extra effort, Anglatècnic has developed an online AD (Audio Description) editor which serves for audio describing both 360° and 2D videos.

This document is addressed to stakeholders who wish to produce audio descriptions (AD) using the ImAc Web AD Editor and is meant to be a complete user guide of this tool for learning purposes and pilots.

## 2. BEFORE STARTING

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Before starting it is important to be sure that the requirements are met:

- Hardware: PC with at least i3 processor, 6 GB RAM. Screen resolution should be at least 1920×1080 pixels (a good graphics card is recommended).
- Browser: Last version of Chrome or Firefox (at least Chrome version 74 or Firefox version 65).
- Fast internet connection as the editors are online and videos are used during the audio description production.
- Proper voice recording setup: having a good quality microphone. Additionally the room where the user works needs to be acoustically silenced to achieve a better result.
- Although the video is provided to the audio describer producers it is important to notice that the video provided must be HTML5 compatible Low Quality video to assure that the web player runs smoothly.

Also it is important to be aware of the following:

- The web editors are online tools, so after executing them some features may take some time before they are available such as the waveform and some data in the info box.

### 3. HOW TO START

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#### 3.1. Entering Anglatècnic platform

The user accesses our website to register for temporary membership of Anglatècnic online editors demo sessions via:

[www.anglatecnic.com/acm/sm/demo.php](http://www.anglatecnic.com/acm/sm/demo.php)

After registration and receiving username, password and the proper access link, the user proceeds to next step (in documentation page there is a manual describing how to register for a demo).

#### 3.2. Login

The user accesses the Editor Interface of ACM via the web browser (illustration 1) and enters username and password previously provided by administrator.

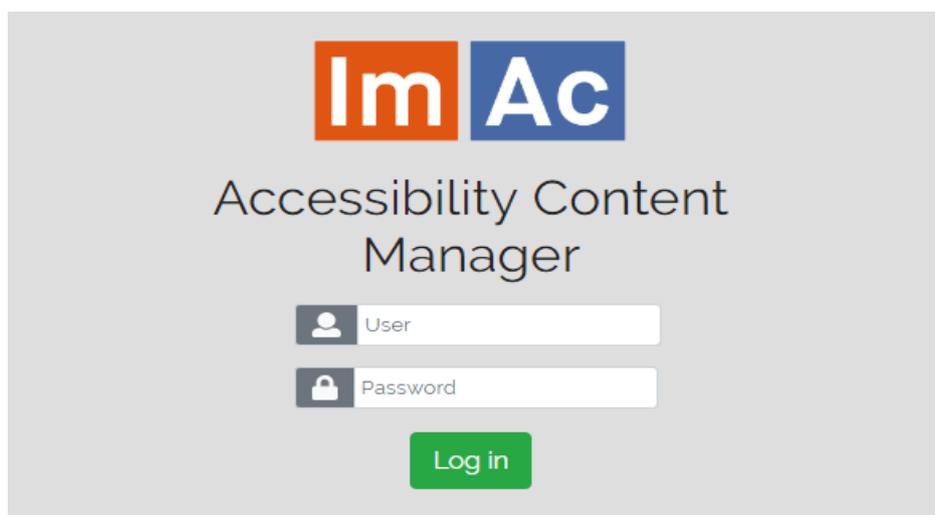
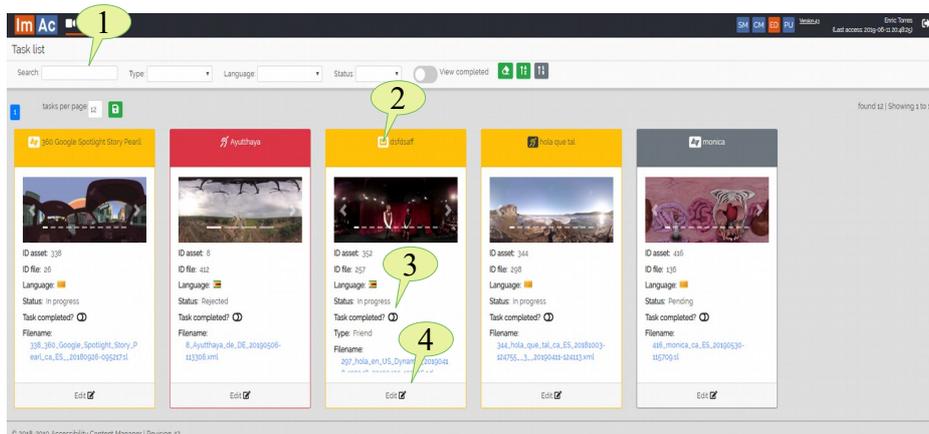


Illustration 1: ACM login page

#### 3.3. Navigation on main page

When entered, a window with the list of assigned production tasks (audio description tasks for the purpose of this document) to the user with their corresponding videos appears (Table 1). From here the user can make use of the following tools:

## Navigation elements on the Editing interface



<b>Search bar (1)</b>	With this tool, user can search through their assigned production tasks and view them alphabetically, including completed tasks or not, etc.
<b>Task icon (2)</b>	These icons show the type of production task we are dealing with: it can be either a subtitle, a sign language or an audio description task. For the purpose of this document we will only focus on the audio description tasks. The colour of the row shows the status of the task (“Pending”: in grey, “In progress”: in yellow, “Completed”: in blue, “Rejected”: in red, and “verified”: in green).
<b>Task status (3)</b>	The user can view the current status of the work and only can changed it to “Completed” when the task is done.
<b>Edit icon (4)</b>	By clicking on this button on the audio description task (for the purpose of this document) the Web AD Editor will be executed with the video file and the audio description file for the AD production. The same applies with the other access service tasks but with the corresponding editor.

**Table 1: Navigation elements on the Editor interface**

The user selects the audio description task, presses the “Edit” button and the Web AD Editor will appear.

### **3.4. Web AD Editor**

Illustration 2, displays the editor window. This window can be divided into an upper and down side. The upper side is only designed for viewing, setting and verification purposes. The down side is purely for edition.

The editor is responsive, so you may wish to set the browser zoom adequately (Ctrl+mouse wheel up or Ctrl+mouse wheel down) to fit all the boxes adequately in the screen.

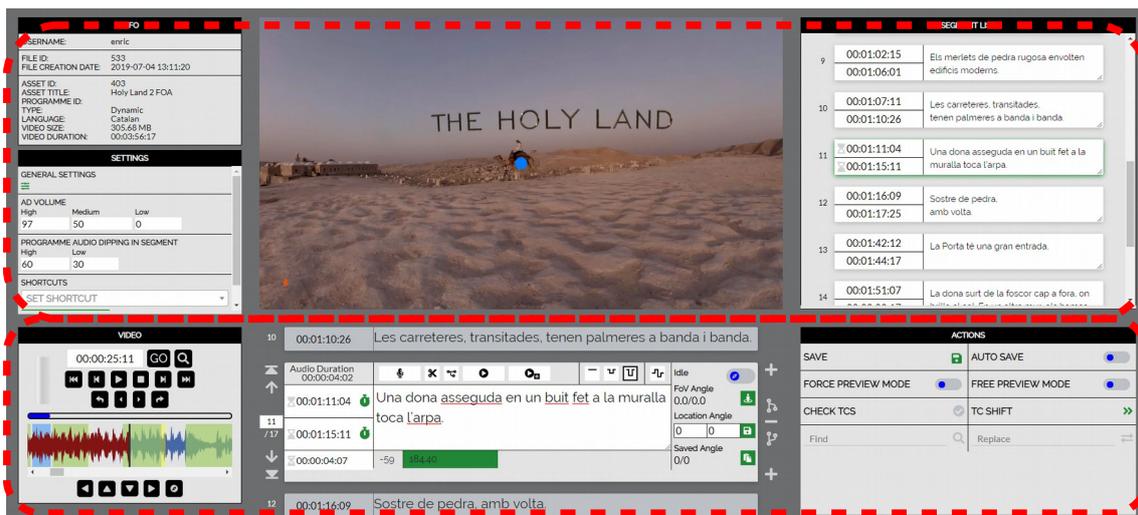


Illustration 2: Web AD Editor window

#### 4. HOW TO PRODUCE AUDIO DESCRIPTION

It is assumed that now you are inside the Web AD Editor. Let's take a look at how we use the editor to create an audio description segment from scratch.

This editor is able to produce AD segments for both 360° and 2D videos. This manual describes 360° production functionality as it is more complete and contains the information needed for 2D segment production as well.

Your first tools are the video controls. Table 2 demonstrates all the buttons with their functionality. With these buttons you navigate through the video, move the video FoV (Field of View) and jump to the video frame you wish.

**Video controls**

The sound-wave displays the video sound, the black vertical line shows the current moment (01:37:01 here). Display of segments are reflected as transparent coloured windows along the sound-wave in time as below:

**Blue:** corresponds to the TCs window (from TCin to Tcout), that is the time that is assigned to this segment during the script production.

**Yellow:** corresponds to the recorded audio window (from TCin to TCin + audio duration).

## Video controls

**Green:** corresponds to the area where blue and yellow overlaps. The ideal case is that only this colour is displayed meaning that the duration of the recorded audio is the same as the time assigned to this segment during the script production. **Blue** displayed after green means that the TCs window is longer than the recorded audio window. **Yellow** displayed after green means that the recorded audio window is longer than the TCs window.

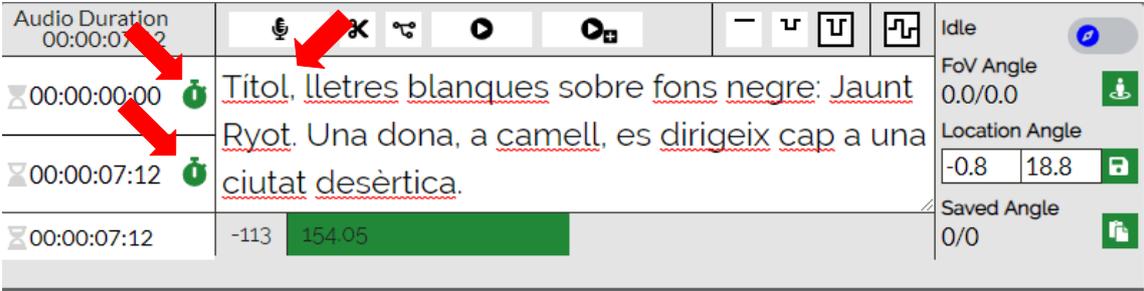
<b>Frame backward</b> 	This button makes the video go backwards frame by frame (Alt+shift+left).
<b>Fast backward</b> 	This button makes the video go backwards with a fast speed (F5).
<b>Slow backward</b> 	This button makes the video go backwards with a slow speed (F6).
<b>Toggle play/pause</b> 	This button plays and pauses the video (F2).  Note: The F2 shortcut is used to Play and to Pause the video alternatively, nonetheless the F3 shortcut has also been added to Pause the video only.
<b>Stop</b> 	This button makes the video go to the beginning (F9).
<b>Slow forward</b> 	This button makes the video go forward with a slow speed (F7).
<b>Fast forward</b> 	This button makes the video go forward with a fast speed (F8).
<b>Frame forward</b> 	This button makes the video go forward frame by frame (Alt+shift+right).
<b>Find segment by TC</b> 	With this button, you can find the segment that contains the TC (Ctrl+Shift+F).
<b>Jump backward</b> 	This button helps the user to jump some frames backward. The number of the frames to be jumped is configurable in General Settings (see table 7) (F1).
<b>Jump forward</b> 	This button helps the user to jump some frames forward. The number of the frames to be jumped is configurable in in General Settings (see table 7) (F4).
<b>Move FoV left</b> 	With this button you move the FoV to the left in the spherical video (Alt+left). You can also use the mouse and left button over the video, and move to the left to do the same [only 360° edition case].
<b>Move FoV up</b> 	With this button you move the FoV up in the spherical video (Alt+up). You can also use the mouse and left button over the video, and move up to do the same [only 360° edition case].

Video controls	
<b>Move FoV down</b> 	With this button you move the FoV to the down in the spherical video (Alt+down). You can also use the mouse and left button over the video, and move to the bottom to do the same [only 360° edition case].
<b>Move FoV right</b> 	With this button you move the FoV to the right in the spherical video (Alt+right). You can also use the mouse and left button over the video, and move to the right to do the same [only 360° edition case].
00:00:05:22 	Enter a specific time of the video, press GO and you are taken to that video frame.
<b>Move FoV to "Speaker's location"</b> 	By pressing this button the FoV moves to the angle where the current segment is set (Alt+F) [only 360° edition case].

Table 2: Video controls

After being in the appropriate moment of the video, you need to enter the script of the segments with their correct time-codes, illustration 3 displays all the information you need in this sense. You can enter the script text and record the audio one by one or enter all the script and then start recording all the AD segments. The sequence presented in this document is based on creating a single AD segment from scratch completely, that is to enter the script with TCs and record the audio one by one.

For each segment you have to enter the segment text in the text field and after finding the appropriate video frames the time codes (TCs) must be entered: TCin by clicking on the TCin clock icon (Shift+Page up) and TCout by clicking on the TCout clock icon (Shift+Page down). The third row below them shows the segment duration.



Audio Duration	TCin	TCout	Script Text	TCin	TCout	Location Angle	Saved Angle
00:00:07:22			Titol, lletres blanques sobre fons negre: Jaunt Ryot. Una dona, a camell, es dirigeix cap a una ciutat desèrtica.			0.0/0.0	0/0
00:00:00:00						-0.8   18.8	0/0
00:00:07:12							
00:00:07:12				-113	154.05		

Illustration 3: Script editing

The below reading speed thermometer reflects the difficulty of the segment for the given duration. At first it is green, then if we are exceeding the ideal reading difficulty it turns into red. The number (113 here) shows the remaining number of allowed characters.

When you are sure about the text itself and its time-codes next step begins. However, this editor works in 360° media and matter of angles is important. So next step is setting proper angles for the segments which is done in the same area demonstrated in illustration 3. Table 3 gives you the appropriate information. In the case in which you are not interested in audio describing in 360° media, you can skip reading table 3.

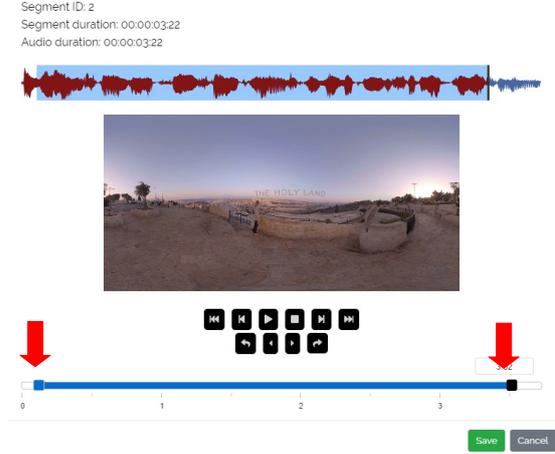
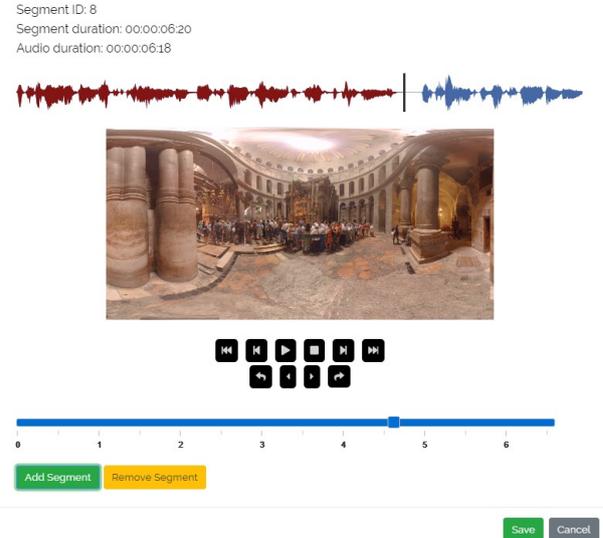
AD segment edition – Angles	
<p>By default, and at first, the video has the current angle as longitude: 0.00° and latitude: 0.00°</p> <p>Also the <b>Idle</b> option can be marked when the segment does not bear a specific spherical position.</p>	
	<p><b>Idle:</b> Only when the segment does not bear a specific spherical position.</p> <p><b>FoV angle:</b> This is the current field of view (FoV) angle and corresponds to the video direction that we see (you can change the FoV angle using the navigation buttons in the video control area or moving the mouse with left button over the video). The green button next to it (Alt+Enter) sets the FoV angle to the “Location angle” of the segment (see next row).</p> <p><b>Location angle:</b> This is set by the audio describer. It corresponds to the angle in the 360° sphere where the segment is located. It is illustrated as a blue dot over the video. It is important to know how to bind an angle to the segment. This is done solely by finding the desired angle by moving the FoV and setting it to the current segment (to know how to set an FoV angle to “Location angle” see the above row). By pressing the green save button next to it, the “Location angle” value is transferred to the “Saved angle” (Alt + C) so it can be used later in other segments (see next row).</p> <p><b>Saved angle:</b> This angle is kept in this register (see previous row) so it can be used in other segments. The button next to it pastes the “Saved angle” to the “Location angle” of the segment (Alt+V). The aim of this button is to use the angle from another segment that was copied previously.</p>

**Table 3: AD segment edition – angle setting**

After finishing setting the proper angle for the segment, you may start the procedure of AD recording. Table 4 explains the audio controls.



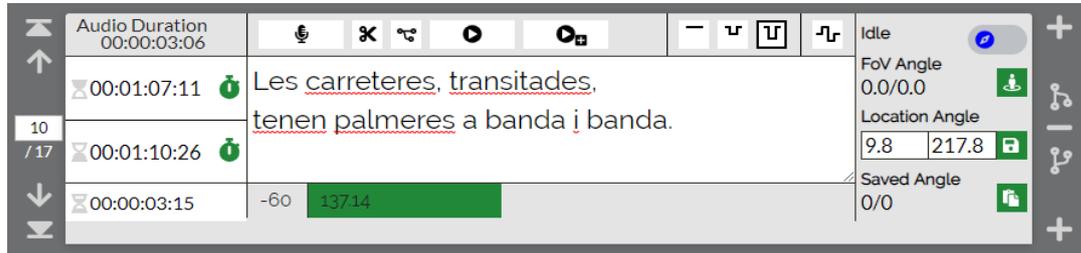
AD segment audio controls	
	
<p>Above the text area, a number of buttons are viewed which are related to the audio of the AD segment and its presentation.</p>	
<p><b>Record button</b></p> <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 10px auto;">  </div>	<p>The user is able to record the audio of the AD segment by pressing the “Record” button (Shift + F2).</p> <p>When pressed, a <b>yellow</b> bar under the text area appears which goes on for about 2 seconds (this time is customizable by user in the General Settings, see table 6) and it gives time to the user to prepare themselves. When the yellow bar turns <b>red</b> it means that the recording has started so the user has to speak now. Finally when the user surpasses the segment duration the red bar starts to blink, this is not potentially an error but it is something that the user needs to be aware of, because it surpasses the time assigned to this segment.</p>
<p><b>Short &amp; Long test</b></p> <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 10px auto;">   </div>	<p>After the recording the user can check the result using one of this two buttons:</p> <ul style="list-style-type: none"> <li>Short test: it runs a test of the result from 2 seconds before TCin until 2 seconds after TCout of the segment (Shift + F3).</li> <li>Short test: it runs a test of the result from 4 seconds before TCin until 4 seconds after TCout of the segment (Shift + F4).</li> </ul> <p>The durations above are customisable by user in the General Settings (see table 6).</p>
<p><b>Set dipping level to main audio</b></p> <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 10px auto;">    </div>	<p>By pressing one of this buttons the user can change the dipping level that the main audio will perform during the AD segment. For instance the high dipping should be used when there is a lot of noise in the programme audio.</p>
<p><b>Dipping from previous segment</b></p> <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 10px auto;">  </div>	<p>Additionally, there is an option named “Dipping from previous segment”. When being on, the dipping starts at the TCout frame of the previous segment and ends at the TCout frame of the current segment, in other words, the dipping includes the time between the previous and the current segment which is useful when the segments are very close.</p>

AD segment audio controls	
<p><b>Cut audio</b></p> 	<p>By pressing this button a dialogue appears from where the user can cut the ending parts of the recorded audio by moving the points indicated in the following image (Shift + F5).</p> <p>Segment ID: 2 Segment duration: 00:00:03:22 Audio duration: 00:00:03:22</p> 
<p><b>Split audio</b></p> 	<p>By pressing this button a dialogue appears from where the user can split the recorded audio into several audio segments. For that the user plays the media until they find the right frame and then presses the Add Segment button. The user repeats this procedure for additional splits (Shift + F6).</p> <p>Segment ID: 8 Segment duration: 00:00:06:20 Audio duration: 00:00:06:18</p>  <p>A new segment is created after the current one for each new audio segment.</p>

**Table 4: AD segment audio controls**

After finishing you may need some buttons in order to organise/edit/improve the sequence of the AD segments. Table 5 shows you the buttons (and shortcuts) available for this purpose.

## AD segments edition – buttons

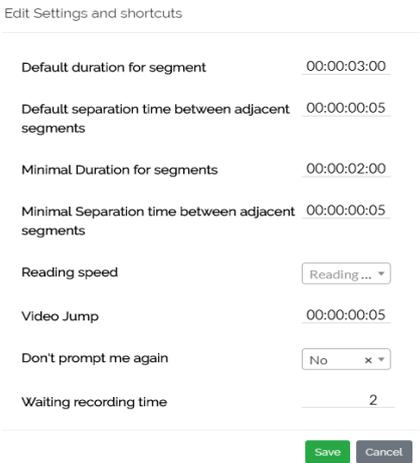
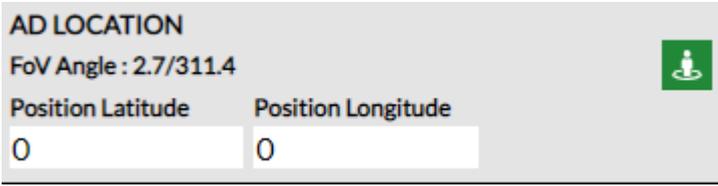


<b>Jump to first segment</b>		This button takes you to the first segment (Alt + Page Up).
<b>Previous segment</b>		This button takes you to the previous segment in relation to your current position (Page Up).
<b>Next segment</b>		This button takes you to the next segment in relation to your current position (Page Down).
<b>Last segment</b>		This button takes you to the last segment (Alt + Page Down).
<b>Jump to segment value</b>		This part takes you to a specific segment. But you need to enter the number of the segment. It also informs you of the number of segments.
<b>Insert segment before</b>		This button is useful for the insertion of a new segment before the existing segment (Ctrl + U).
<b>Split text on cursor position</b>		This button splits the current segment text into two segments and gives us two separate segments (Ctrl + Insert).
<b>Remove segment</b>		As the name suggests, this button removes the selected segment (Ctrl + D).
<b>Join this and follow texts</b>		This button joins the current segment with its next one and creates a single segment containing both texts of the previous ones. The reading speed thermometer is modified accordingly but timings remain the same as the first previous segment (Ctrl + Delete).
<b>Insert after</b>		This button is useful for insertion of a new segment after the existing segment (Ctrl + Shift + U).

Table 5: AD segment edition and navigation buttons

## 5. MORE OPTIONS

The procedure in which we produce a segment is over, but we still have more options to work with. Remember the dipping and buttons that were introduced earlier, all these are customisable using “SETTINGS”. Table 6 shows the setting for the file and editor.

AD settings	
<b>General settings</b>	<div style="text-align: center;">  </div> <p>Pressing this icon the following dialogue appears for the general setting of the editor that are saved for the user (audio describer).</p> <div style="text-align: center;">  </div> <p>If any of the minimal numbers above are not met the user gets an error when verifying the AD and needs to fix it before continuing (see table 7).</p>
<b>Volume levels of AD audio</b>	<div style="text-align: center;">  </div> <p>These settings are the volumes that the final user (home user) of the 360° programme will be able to choose for the AD audio. These settings are saved in the AD file.</p>
<b>AD location</b>	<div style="text-align: center;">  </div> <p>This setting is only available when dealing with a Classic and Static AD types, as in these cases it is necessary to indicate where the AD will be anchored in the 360° sphere. A table with all AD types is available as an annex at the end of this document. These settings are saved in the AD file. The green button transfers the FoV location angle to AD angle. [360° edition only].</p>

AD settings					
<b>Dipping levels of main audio</b>	<div data-bbox="635 315 1107 409" style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;">DIPPING LEVELS OF MAIN AUDIO</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-bottom: 1px solid #ccc;">Low</td> <td style="width: 50%; border-bottom: 1px solid #ccc;">High</td> </tr> <tr> <td style="border-bottom: 1px solid #ccc;">24</td> <td style="border-bottom: 1px solid #ccc;">92</td> </tr> </table> </div> <p>These settings are the dipping levels that can be used in the segments. When a segment with a dipping level is run, the main audio volume is lowered during the AD segment. These settings are saved in the AD file.</p>	Low	High	24	92
Low	High				
24	92				
<b>Shortcuts</b>	<p>During the production of AD segment production, it is convenient to work only with keyboard instead of changing between keyboard and mouse buttons constantly. As a result, the functions of the editors have a shortcut key as default as well. These buttons are configurable and can be changed by the user if desired.</p> <p>A full list of the default shortcut buttons of the editor is presented as an annex at the end of this document.</p> <p>The default shortcuts are also shown when hovering over the buttons in the Web AD Editor. Also a button is designed to reset all the user-configured buttons back to default ones.</p> <div data-bbox="555 1010 1136 1319" style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p style="margin: 0;">SHORTCUTS</p> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;">PLAY/PAUSE <span style="float: right;">x ▾</span></div> <p>DEFAULT: <span style="border: 1px solid #ccc; padding: 2px 5px;">F2</span></p> <p>CURRENT:</p> <p>CAPTURED VALUE: <span style="border: 1px solid #ccc; padding: 2px 5px;">META</span></p> <div style="display: flex; justify-content: flex-end; gap: 5px; margin-top: 5px;"> <span style="background-color: #28a745; color: white; padding: 5px 10px;">Save</span> <span style="background-color: #6c757d; color: white; padding: 5px 10px;">Cancel</span> </div> <div style="background-color: #28a745; color: white; padding: 5px 10px; margin-top: 5px; width: fit-content;">Set default shortcuts</div> </div> <p><b>WARNING: Some shortcuts are not advisable (for example the ones that are used for editing the segment script and some that are used by the browser). There is a blacklist of key combinations that cannot be used as shortcuts, however the user must be aware when customizing specific shortcuts (for instance not to use the same key for two different shortcuts).</b></p>				

Table 6: AD settings

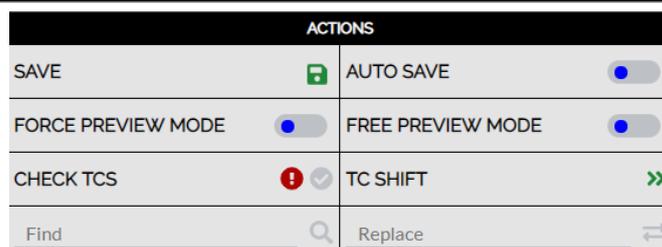
General settings	
<b>Default time duration for segments</b>	The default time duration of segments, if not set by the user.
<b>Default time separation</b>	The default time separation between segments, if not set by the user.

<b>General settings</b>	
<b>between segments</b>	
<b>Minimum time duration for segments</b>	Minimum time duration for segments that needs to be met. If not, the user will receive an error when checking TC at the end.
<b>Minimum time separation between segments</b>	Minimum time separation between segments that needs to be met. If not, the user will receive an error when checking TC at the end.
<b>Reading speed</b>	It can either be set to WPM (Word Per Minute) or CPS (Character Per second). Both of them are measurements of average typing speed parameters but with different criteria (Word or Character/minute or second). For the purpose of typing measurement a word is standardized to five characters or keystrokes, including spaces and punctuation.
<b>Video jump</b>	In video controls, there are buttons that jump a number of frames backward or forward. This defines the number of frames to be jumped.
<b>Waiting recording time</b>	The time in seconds which the editor waits for the user to prepare to start recording (when the bar is yellow).
<b>Short test time</b>	The duration which editor runs a test of the result from it before TCin until the same duration after TCout of the segment.
<b>Long test time</b>	The duration which editor runs a test of the result from it before TCin until the same duration after TCout of the segment.

**Table 7: General settings**

The last step to take after finishing edition is verification and for that we use the preview modes. The general actions on the AD file are explained in Table 8, so here we can also find a description of the preview modes.

## AD actions



<b>Save</b>	This button saves the work.
<b>Auto save</b>	Saves the contents automatically when activated.
<b>Check TCs</b>	<p>By pressing this icon the timings are checked. As mentioned in table 6, if the minimal criteria set in the settings are not met in some segments, an error will appear for those segments. If everything is OK the icon turns green (Ctrl + Q).</p> <p>Hovering over the segment with the error will show the description and solution.</p> <p>A table containing the possible errors is presented as an annex at the end of this document.</p>
<b>Forced preview</b>	<p>This mode is used for verification. This verification mode makes it easier for the describer as the video will change angle when needed during the playback of the video. Segments and angle are bound with the video. You cannot freely change angle at your wish, as the video itself takes you to the "Location angle". When this mode is being on, the user cannot do editing any more and needs to turn it off (F11).</p> <p><b>Note:</b> when clicking this button, "CHECK TC" (see previous row) is executed first and if there is any error the preview is not executed until the errors are fixed.</p>
<b>Free preview</b> <b>[360° edition only]</b>	<p>This mode is used for verification. This verification mode is more real for the describer as if playing back the video with segments using HMD. Segments are bound to the video time code, but angle is not. It means that you can move angle (it is not fixed to the segment location angle) during the playback of the video. When this mode is being on, the user cannot do editing any more and needs to turn it off (F12).</p> <p><b>Note:</b> when clicking this button, "CHECK TC" (see the row before the previous one) is executed first and if there is any error the preview is not executed until the errors are fixed.</p>

AD actions	
<b>TC shift</b>	<p>This shifts the time codes of a group of segments.</p> <p>The user chooses a range of segments by their numbers and then an operation which can be: increment, decrement, TCin first or TCOut first.</p> <p style="text-align: center;">Shift segment</p> <hr/> <p>Subtitle range            First segment: <input type="text" value="1"/> Last segment: <input type="text" value="1"/></p> <p>Select operation and TC  <input type="button" value="Increment"/> <input type="button" value="Decrement"/> <input type="button" value="TC IN First"/> <input type="button" value="TC OUT First"/></p> <p style="text-align: center;">00:00:00:00</p> <hr/> <p style="text-align: right;"><input type="button" value="Edit"/> <input type="button" value="Cancel"/></p>
<b>Find/Replace</b>	This helps the user find specific words and replace them if needed.

**Table 8: Actions**

Also at the upper side you have informative sections (Illustration 4):

- On your left, general information of the production task.
- On your right, the script: texts with their numbers and time-codes.
- Blue dot, current “Location angle” [360º edition only].



**Illustration 4: Informative sections**

**ANNEX I: AD TYPES**

<b>Term</b>	<b>Description</b>
Classic	AD centred in the scene.
Static	AD anchored to the scene.
Dynamic	AD comes from where the described point of interest (AD anchored to the point of interest).

## ANNEX II: ERRORS

Error message	Cause
Minimum duration fail	<p>This error appears in the segments that don't meet with the minimum duration (<math>TC_{out} - TC_{in} &lt; \text{minimum duration}</math>).</p> <p>The minimum duration can be changed in General Settings.</p>
Minimum separation fail	<p>This error appears in the segments that don't meet with the minimum separation between adjacent segments (<math>TC_{in} \text{ current segment} - TC_{out} \text{ previous segment} &lt; \text{minimum separation}</math>).</p> <p>The minimum separation can be changed in General Settings.</p>
Segment overlapping	<p>This error appears when two segments are overlapped. Either the script TCs overlap (<math>TC_{in} \text{ current} &lt; TC_{out} \text{ previous}</math>) or the audios overlap (<math>TC_{in} \text{ current} &lt; TC_{in} \text{ previous} + \text{audio duration}</math>).</p>
Unordered TC values	<p>This error appears in the segments that are not in order (<math>TC_{in} \text{ current} &lt; TC_{in} \text{ previous}</math>).</p>

**ANNEX III: DEFAULT SHORTCUT BUTTONS**

<b>Functionality</b>	<b>Shortcut button</b>
Toggle play/pause	F2
Pause	F3
Jump backward	F1
Jump forward	F4
Fast backward	F5
Slow backward	F6
Slow forward	F7
Fast forward	F8
Stop (Jump video to first frame)	F9
Frame backward	Alt + Shift + Left
Frame forward	Alt + Shift + Right
Move FoV left	Alt + Left
Move FoV right	Alt + Right
Move FoV up	Alt + Up
Move FoV down	Alt + Down
Move FoV to "Location angle" of the segment	Alt + F
Previous segment	Page up
Next segment	Page down
First segment	Alt + Page up
Last segment	Alt + Page down
Find segment with video TC	Ctrl + Shift + F
Set TCin	Shift + Page up
Set TCout	Shift + Page down

<b>Functionality</b>	<b>Shortcut button</b>
Jump video to TCin frame	Ctrl + Alt + Page up
Jump video to TCoout frame	Ctrl + Alt + Page down
Set FoV angle to "Location angle" of the segment	Alt + Enter
Copy "Location angle" of the segment to "Saved angle"	Alt + C
Paste "Saved angle" to "Location angle" of the segment	Alt + V
Record audio segment	Shift + F2
Short test	Shift + F3
Long test	Shift + F4
Cut audio	Shift + F5
Split audio	Shift + F6
Split segment on cursor point	Ctrl + Insert
Join segment with next	Ctrl + Delete
Delete segment	Ctrl + D
Insert segment before	Ctrl + U
Insert segment after	Ctrl + Shift + U
Check TCs	Ctrl + Q
Forced preview	F11
Free preview	F12

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