

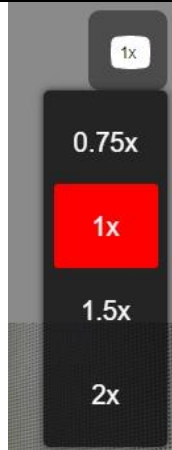
Accessibility Test of Paella Player - Report 27.10.2021







- Tested with the following devices: ThinkPad T480s Lenovo, iPad Air (3rd Generation), Samsung S20 5G
- Tested with the following browsers: Google Chrome (Version 95.0.4638.54), Safari (iOS 14.8.1)
- Test with the following assistive technologies: [JAWS 2019](#), [ZoomText 2021](#), [Talk Back for Android](#).

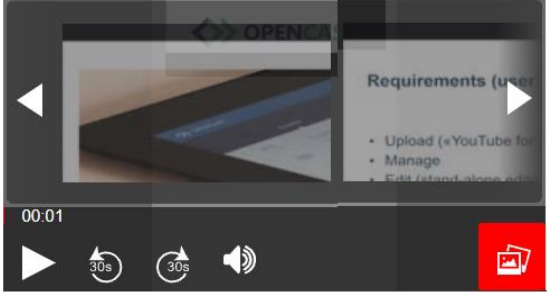


General Comments



- In general, the player is intuitive because most controls are at their usual place. Still, the order of some of the controls (e.g. speech speed, full-screen mode) is not consistent with common usage (see e.g. YouTube)
- Controls are unlabeled and icons are not always intuitive. → Controls need precise labels (button, slider, toggle-button, menu button, etc.) as well as textual description (e.g. “Select captions”)
- Platform is not reflowable: on iPad and Samsung, it would make sense that the two videos are presented vertically rather than horizontally.
- The focus indicator is usually visible, but not for some controls. For instance, on the very first page, before the video starts, there is no focus indicator.


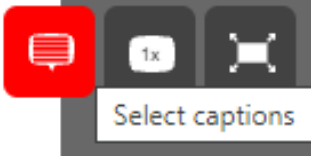
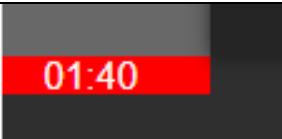
Comments for Each Tested Control

Control Label	Control description	Screenshot of the control	Comments
	To change speech speed (0.75x; 1x; 1.5x, 2x)		<ul style="list-style-type: none">• The button is a bit small• 1x disappears in Windows High Contrast Mode (see screenshot at the end)

	Hide or show the presentation or the presentator		
	Full-screen mode On/Off		<ul style="list-style-type: none"> • Illogical reading order: With Tab, appears after the show/hide slide button, it should arrive after “hide or show the presentation or the presentator” • iPad: Full screen mode does not work
	Play/Pause the video		
	Button to rewind 30 seconds into the timeline.		
	Button to forward 30 seconds into the timeline.		
	Changes the volume. There is one button to mute or unmute sound. When the mouse hovers over		<ul style="list-style-type: none"> • On iPad and Samsung: impossibility to modify sound with the slider by touching on the screen (I can only turn on and off) • Impossibility to interact interact with the volume bar (slider) with a keyboard

	<p>this button, a slider appears to change the volume to higher or lower</p>		
	<p>Show/hide Slides. When slides appears, one can navigate them by clicking on the slide or on the left/right arrow buttons.</p>	 <p>*Screenshot has been cut to save space</p>	<ul style="list-style-type: none"> • I can activate the button with TAB, but I cannot navigate through the slides with the keyboard. • I can only access the slide arrows when I am in the navigation bar (but I cannot access the navigation bar with the keyboard, I need a mouse for this). Also, to move from one slide to the other, I can press space bar (this is not what I would have expected).
	<p>Upper button changes the position distribution of the videos in the screen.</p>		<ul style="list-style-type: none"> • When mouse hovers over the button, it becomes grey, it would be clearer to become red, like the other buttons.
	<p>Lower swaps the position of the videos.</p>		<ul style="list-style-type: none"> • The icon is not very clear • When mouse hovers over the button, it becomes grey, it would be clearer to become red, like the other buttons.

	<p>Left/right Arrows to move from one slide to the other</p>	 <p>*Screenshot has been cut to save space</p>	<ul style="list-style-type: none"> • The focus indicator is not visible for these buttons when I navigate with the keyboard.
	<p>Two buttons to zoom in or out in the presentation view</p>		<ul style="list-style-type: none"> • Size is very small and colour contrast is not high enough • Cannot be activated with JAWS • Does not work with a Samsung S20 5G • iPad: icons are not appearing correctly • Icons disappear in Windows High Contrast Mode (see screenshot at the end) • I can access them with the tab, but at the beginning, I did not know where I was because they were too tiny. ➔ Consider putting the buttons above the video rather than in the video.

	Two buttons to zoom in or out in the presentator view		<ul style="list-style-type: none"> • Size is very small and colour contrast is not high enough • Cannot be activated with JAWS • iPad: icons are not appearing correctly • Icons disappear in Windows High Contrast Mode (see screenshot at the end) • Consider putting the buttons above the video rather than in the video.
Select Captions	Activates/Disactivates Subtitles		<ul style="list-style-type: none"> • Why not using the CC icon? → consistence with common usage of icons • Size of subtitles is too small → consider allowing users to change size or colour • Consider detecting browser language to set a default language • NB: The button is a toggle-button (need to reflect this semantically)
	Indicates at which minute and second, the video is. Also allows to jump in the video		<ul style="list-style-type: none"> • Not accessible with keyboard (and therefore not accessible for JAWS) • JAWS cannot announce how long the video is • NB: It is a slider and not a button (need to reflect this semantically)

Default Keyboard Shortcuts

- K and/or space key: works
- F key: works
- Arrow left/right keys: work
- Arrow up/down: **only work when on the volume slider**

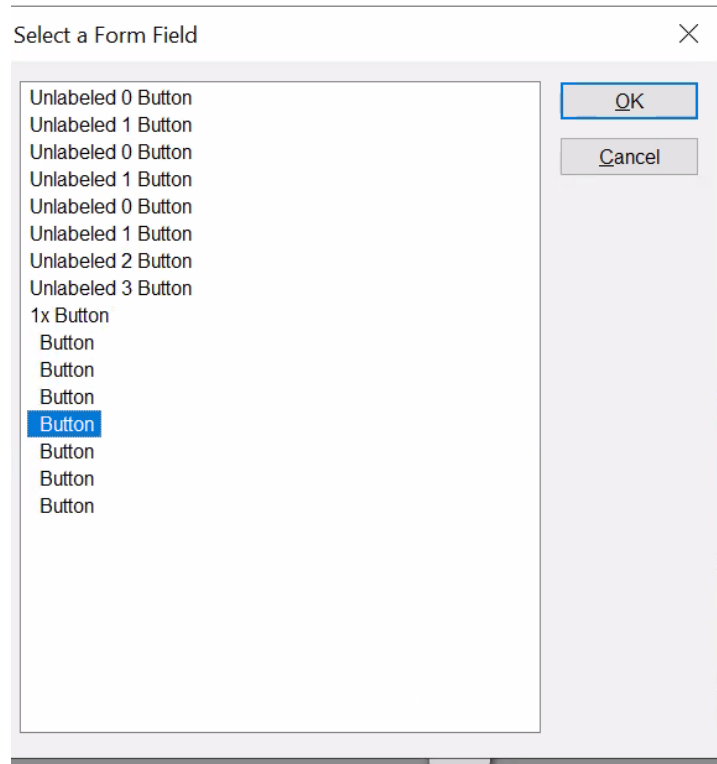
ZoomText

- When I click on full-screen mode, it does not say full-screen (same for forward/backward 30s and volume.)

JAWS screen-reader

- The player does not announce the title of the video, but says "Paella Player 7" (see browser tab)

- No possibility to know at which minute the video is
- I cannot navigate the players because buttons are not labelled. In the form field (Insert + F5), all elements are called “button” or unlabeled button 0,1,2, etc. (see following screen-shot) → add labels



iPad

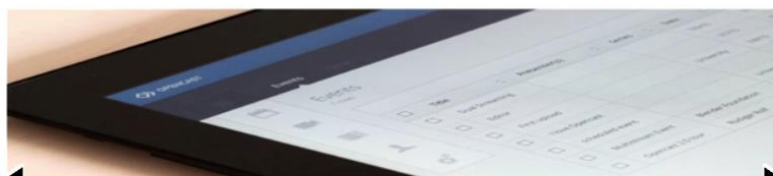
- At first, the video player was really slow and I had to touch the screen many times to start the video

Android Phone (Samsung S20 5G)

- Display not well fitted (white bars on the top left side) → full screen mode when mobile phone hold horizontally provides the best way to watch the videos
- TalkBack works, but does not announce the title of the video (says “Paella Player 7 instead”)
- Impossibility to navigate through the slides with the slide button when using TalkBack

Windows High Contrast Mode (alt + shift + printscreen)

The next screenshot shows the paella player when Windows is on high contrast mode. It shows that the buttons for speech speed and the zoom buttons are no longer visible.



← Opencast video portal →



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