

# Clicker 8

## Customizing Clicker Files for Intermediate Eye Gaze and One Switch Users

### Introduction

This tutorial covers some ideas to customize a Clicker file for eye gaze and switch users to increase accessibility, such as increasing target size and adjusting order for switch scanning. Some editing features for customization are only available in a Custom Set. If you are working with other Clicker files, such as Clicker Books and Writing Grids, please refer to our previous tutorial on “How to Save a Clicker File as a Custom Set” before completing this tutorial.

### Learning Objectives

Completion of this tutorial will give you the opportunity to:

- Consider ideas on how to personalize a Custom Set to maximize accessibility

### This tutorial assumes that you have

- Clicker 8 installed on a Mac/ PC
- A **Custom Set** which you would like to personalize for eye gaze and/or switch access.
- **For eye gaze users who can target with intentionality (intermediate):**
  - Access to an eye tracker (ex. Tobii Dynavox PCEye Mini) and the software (ex. Gaze Point).
  - Experience launching eye gaze on Clicker 8.
- **For switch users:**
  - Access to a switch(es) and a switch interface (ex. Crick USB interface).
  - Experience connecting switches and selecting Access options (Options> Access> Access Method> “One Switch” or “Two Switches”).

## Case Study

Jane is an intermediate eye gaze user, who's able to intentionally focus on a single target that is about 1/6 the size of the page. The school-based team has picked out some Clicker books from the Learning Grids website for Jane to read together with her peers. The team plans to make a few changes to the books for eye gaze access, such as increasing the size of the buttons to support targeting accuracy.

Karen, who is in the same class is a switch user. She is physically able to select the switch with her right hand. For Karen to access the same activity, the team has set up a one switch to left click equivalent on the switch interface.

## Considerations for Intermediate Eye Gaze Users

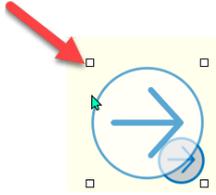
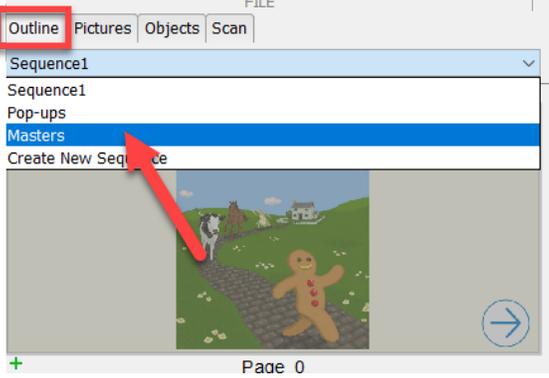
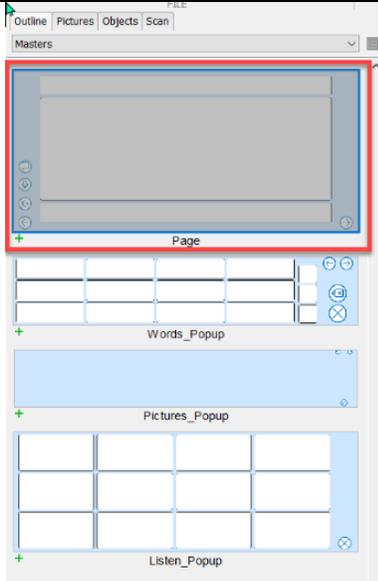
- Eye gaze users need to hold their gaze on a target/button to make a selection. Consider **increasing the size of the target, increasing the colour contrast, and location of the target**, and adjusting the **dwell time** to increase accessibility and success.
- The number of steps for the user required to read can be reduced by **programming a page to be read aloud** as the page is opened. Adjust dwell time for the "next" button that is short enough for the student to maintain focus on the target and activate the button with intention. The lowest setting in Clicker 8 is 0.15 second, which is a good starting point for students being introduced to the activity to be successful.

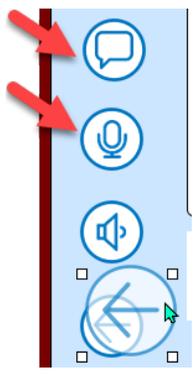
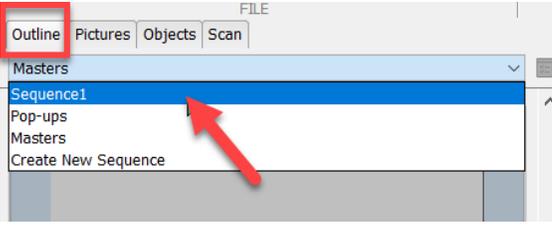
## Considerations for One-Switch Users

- Switch users can access this activity with one hit.
- Consider programming the file such that text on a page will be read automatically as the page opens.

## Customizations

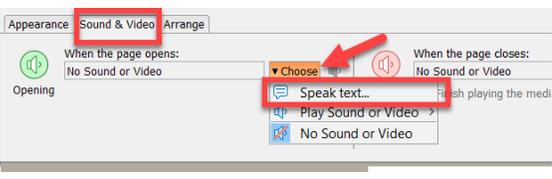
- [Resize or remove elements on a page by editing the Masters.](#)
- [Make the text read aloud when a page opens.](#)
- [Adjust dwell time for eye gaze access in Clicker 8.](#)
- [Adjust scan order for switch access.](#)

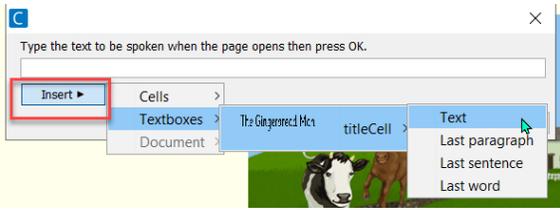
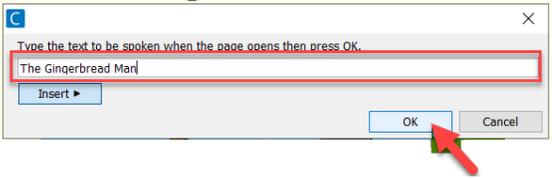
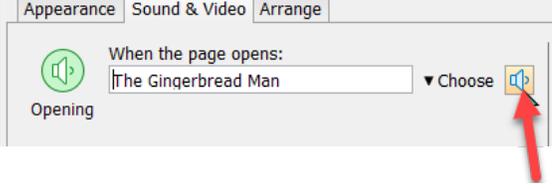
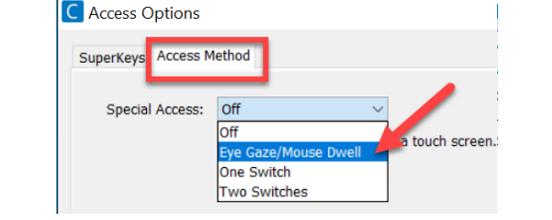
<h2>A. How to resize or remove elements on a page by editing the Masters in a Custom Set</h2>		
<p>1</p>	<p>Make sure you have already converted the Clicker File into Custom Set before you begin. See the <b>How to Save a Clicker File as a Custom Set</b> tutorial.</p> <p>Buttons can be resized directly on each page of a Clicker book.</p> <p><b>Click</b> on a button to select it and <b>drag</b> to resize.</p>	
<p>2</p>	<p>Some pages in the book might have been created with master slides, which serves as a template. Changes made on a master slide will be applied to all the pages where the template was used.</p> <p>To locate the template, click on <b>Outline</b> tab in the Sidebar on the left.</p> <p>Click on the <b>dropdown</b> menu, select <b>Masters</b>.</p>	
<p>3</p>	<p>Locate the templated used for the page you like to edit.</p> <p><b>Click</b> on the template in the outline.</p>	

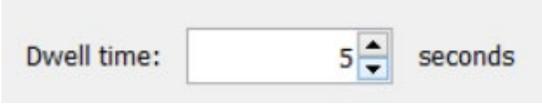
<p>4</p>	<p>Consider <b>resizing</b> the buttons and moving them to a place where it is convenient for the student.</p> <p>Some buttons are linked to other activities. In this example, the microphone button is for student to record their audio, and the speech bubble icon plays the recorded audio.</p> <p><b>Add or remove</b> these activities as needed.</p>	
<p>5</p>	<p>To navigate back to the book, click on the dropdown menu under the <b>Outline</b> tab.</p> <p>Select <b>Sequence 1</b>.</p> <p>Notice that the buttons for all pages with the template have been customized.</p> <p><a href="#">Return to Table of Contents</a></p>	

## B. How to make the text read aloud when a page opens

Having the text read aloud when a page opens will decrease the number of actions needed for the student to read the book, making it an errorless activity.

<p>1</p>	<p>Click on the <b>Outline</b> tab.</p> <p>Select the <b>slide</b> you would like to have read aloud.</p>	
<p>2</p>	<p>From the <b>Editing Toolbar</b> across the top of the screen, open the <b>Sound &amp; Video</b> tab.</p> <p>Under “When the page opens”, click <b>Choose</b> and select <b>Speak text</b>.</p>	

<p>3</p>	<p>Click <b>Insert</b>, then select <b>Textboxes (or Cells)</b>.</p> <p>For eye gaze users: note that the words in a textbox will be read when clicked. While the feature supports word recognition, it could interrupt the audio as their gaze lands on each word. Select “Turn off click” on the program for your eye gaze camera (ex. Gaze Point, Windows Control).</p> <p>Select <b>Text</b>. Click <b>OK</b> to close the window.</p>	 <p>A screenshot of a software window titled 'Type the text to be spoken when the page opens then press OK.' The 'Insert' menu is open, showing 'Cells', 'Textboxes', and 'Document'. The 'Textboxes' submenu is also open, showing 'The Gingerbread Man', 'titleCell', and 'Text'. The 'Text' option is highlighted, and its sub-menu is visible, showing 'Last paragraph', 'Last sentence', and 'Last word'. A red box highlights the 'Insert' menu, and a green arrow points to the 'Text' option.</p>
<p>4</p>	<p>If the cell with the text is not on the list, paste or type in the text to be read aloud.</p>	 <p>A screenshot of the same dialog box. The text 'The Gingerbread Man' is typed into the input field. A red box highlights the input field, and a red arrow points to the 'OK' button.</p>
<p>5</p>	<p>Click on the <b>Speaker Icon</b> to test the audio.</p> <p><b>Repeat</b> the steps for rest of the pages.</p> <p><a href="#">Return to Table of Contents</a></p>	 <p>A screenshot of the 'Sound &amp; Video' settings panel. The 'When the page opens:' section shows 'Opening' and 'The Gingerbread Man' in the text field. A 'Choose' dropdown is set to 'Choose'. A speaker icon is visible on the left, and a play button icon is on the right. A red arrow points to the play button.</p>
<p><b>C. Adjust dwell time for eye gaze access in Clicker 8</b></p> <p>After a file is customized to have the text read aloud the page opens, make sure to adjust dwell time long enough for the audio to finish playing before the student flips to the next page.</p>		
<p>1</p>	<p>From the toolbar, open the <b>Options</b> tab, and select <b>Access</b>.</p>	 <p>A screenshot of the software toolbar. The 'Options' tab is selected and highlighted with a red box. The 'Access' button, represented by a person icon, is also highlighted with a red box.</p>
<p>2</p>	<p>Under <b>Access Method</b>, select <b>Eye Gaze/ Mouse Dwell</b>.</p>	 <p>A screenshot of the 'Access Options' dialog box. The 'Access Method' dropdown is open, showing 'Eye Gaze/Mouse Dwell' selected. A red box highlights the dropdown, and a red arrow points to the selected option.</p>

<p>3</p>	<p>Adjust dwell time by clicking on the arrows. Click <b>OK</b> to close the window.</p>	
<p>4</p>	<p>To test your settings, first, <b>launch Gaze Point</b>. Go to <b>Clicker Set</b> and click <b>GO</b>.</p>	
<p>5</p>	<p>The page should be read automatically. After the selected dwell time (ex. 5 seconds), the page will be turned automatically. <a href="#">Return to Table of Contents</a></p>	

**Tip...**

This tutorial has presented some ideas on how a Clicker book can be personalized to maximize physical accessibility. They are meant to be discussion starters for the team to consider what is appropriate for the student. Please involve the student’s SLP and OT in the discussion to ensure the ideas are suitable for your student.