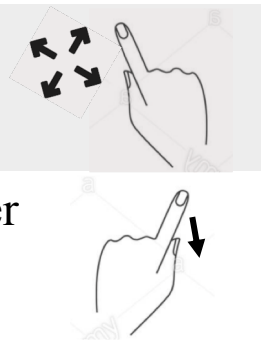


Touchless Computer Assistant User Guide

General Help:

Action	Voice/Gesture Command
Activate any voice command Note that all remaining commands omit “Haley” at start for convenience	“Haley” (eg. “Haley close help”)
Disable “Haley” activation Allows you to stop saying “Haley” to activate voice commands	“Stop using Haley”
Disable/Enable processing beeping sound	“Disable/Enable sound”
Close user guide	“Close help”
Shut down program	“Stop program”
Open different application	“Open Preview/Chrome/Finder/Word”
Move mouse cursor	Point with index finger (cursor will follow index finger movement)
Click on something (eg. To open document, website...)	Make a tapping motion with index finger



For help regarding specific applications, say “Jump to Preview/Chrome/Word help”

Touchless Computer Assistant User Guide

Preview Help:

Gesture Commands

1. **Scrolling:**

- Up: extend either hand upwards



- Down: extend either hand downwards



- Left: extend right hand sideways (palm faces left)



- Right: extend left hand sideways (palm faces right)



2. **Zoom In:** extend either hand towards computer



3. **Zoom Out:** make a fist with either hand

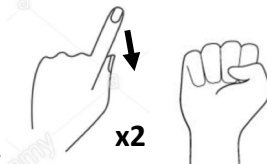


4. **Highlighting:**

Use two hands, one closed fist, the other pointing index finger to move the mouse.

Make a tapping motion to start highlighting

Another tapping motion to stop highlighting



Voice Commands

1. **Jump to specific page:** “go to next/previous page” or “go to page #”

2. **Bookmark:** “bookmark this page” or “bookmark page #”

3. **Search:** “search for <phrase of interest>”

- “next” to advance to next occurrence
- “exit search” to stop searching

4. **Open sidebar:** “open <type of sidebar>”

- types: thumbnails, table of contents, bookmarks
- Close sidebar with “close sidebar”

5. **Zoom in/out:** “zoom in/out”

6. **Save/Close document:**

- “save document” to just save
- “close document” to close without saving
- “save and close document” to save and then close

To close user guide: “Close help”

To explore other commands: “Jump to General/Preview/Chrome/Word help”

Touchless Computer Assistant User Guide

Word Help:

Gesture Commands

1. **Scrolling:**

- Up: extend either hand upwards



- Down: extend either hand downwards



- Left: extend right hand sideways (palm faces left)



- Right: extend left hand sideways (palm faces right)



2. **Zoom In:** extend either hand towards computer

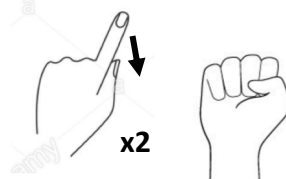


3. **Zoom Out:** make a fist with either hand



4. **Select Text:**

Use two hands, one closed fist, the other pointing index finger to move the mouse.
Make a tapping motion to start highlighting
Another tapping motion to stop highlighting



Voice Commands

1. **Type:** “write <some phrase or sentence>”

2. **Search:** “search for <phrase of interest>”

- “next” to advance to next occurrence
- “exit search” to stop searching

3. **Zoom in/out:** “zoom in/out”

4. **Save/Close document:**

- “save document” to just save
- “close document” to close without saving
- “save and close document” to save and then close

5. **Select all text:** “select everything”

6. **Modify selected text:** “bold/italicize/underline/delete text”

To close user guide: “Close help”

To explore other commands: “Jump to General/Preview/Chrome/Word help”

Touchless Computer Assistant User Guide

Chrome Help:

Gesture Commands

1. **Scrolling:**

- Up: extend either hand upwards



- Down: extend either hand downwards



- Left: extend right hand sideways (palm faces left)



- Right: extend left hand sideways (palm faces right)



2. **Zoom In:** extend either hand towards computer



3. **Zoom Out:** make a fist with either hand



Voice Commands

1. **Search the Internet:** “google <question>”

2. **Search within page:** “search for <phrase of interest>”

- “next” to advance to next occurrence
- “exit search” to stop searching

3. **Navigate between tabs:** “next/previous tab”

4. **Open a new tab:** “new tab”

5. **Close a tab:** “close tab”

6. **Go back to previous page** (same tab): “go back”

7. **Bookmark current tab:** “bookmark this tab”

8. **Open bookmarks/history:** “open bookmarks/history”

9. **Zoom in/out:** “zoom in/out”

To close user guide: “Close help”

To explore other commands: “Jump to General/Preview/Chrome/Word help”