# Using Monarch with JAWS

## Objectives

1. Configure JAWS to work with a Monarch.
2. Explore Braille View modes and their settings.
3. Practice cursor routing in documents and on websites.
4. Practice troubleshooting steps for JAWS and Monarch connectivity.

## JAWS Setup

Note: These steps must be completed before using a Monarch with JAWS. They may need to be repeated occasionally as part of the troubleshooting process. Currently for best results for repeated use the Monarch should be connected after logging in to a computer. If it is connected before the log-on process, JAWS needs to be restarted for the connection to terminal mode to work.

1. Open the JAWS menu.
2. Navigate to “Utilities” and select.
3. Navigate to “Braille and Synthesizer Manager” and select.
4. Navigate to the “Add” menu and select.
5. Navigate to “Braille Display” and use Space to check the box.
6. Navigate to “Next” and select.
7. Navigate to “HID Compatible Display” and use Space to check the box.
8. Navigate to “Next” and select.
9. Navigate to the list of braille displays.
10. Select the “HID Display” choice as the primary display which will start when JAWS starts.
11. Navigate to Finish and select.
12. Restart JAWS.

Note: Braille input and output will be controlled by your JAWS settings once connected. It is advisable to set these using the JAWS startup wizard before connecting for the first time.

## Connecting the monarch

1. Make sure the Monarch is connected to the computer and to the Monarch via a USB C cable.
2. Once connected, the Monarch should vibrate and display a charging message.
3. Navigate to “Braille Terminal” mode and select.
4. Select “USB”.
5. Select “Braille Terminal”.
6. If JAWS content does not appear, try restarting JAWS.

## Troubleshooting

1. If JAWS content is still not appearing, close the Braille Terminal app on Monarch and try again.
2. You can also try unplugging the cable and connecting it again.
3. You should also try restarting JAWS after closing the app and possibly again after unplugging the cable.
4. You may need to remove other displays from your list, even if the HID display is selected as the primary one.

## Cursor Routing

A modified point and click feature is used to route the cursor or focus items. Touch the item you wish to focus on or the position the cursor should be in and tap the action button once.

## Activities

### Editing using Cursor Routing in a Word document

1. Open the “Weather Patterns in Central Florida” document.
2. You can use Space+ dots 6,8 then space+ dots 4,5 to move between documents.
3. Read the first paragraph and look for the punctuation marks.
4. Route your cursor to the word “unique” in the first paragraph by pointing to it with one finger and tapping the action button once.
5. Delete the word and use the Monarch’s keyboard to type “unusual” instead.

### Braille Viewer Menu

This menu contains 9 choices for modes or split views for braille content. These include cropped mode, which displays tables in proper column format. Translation split translates text into a braille code other than the braille displayed by default. Additionally, buffered text shows text from another document or webpage that can be referenced while working in another document. Please use the activities below to practice some of these modes.

### Table activity

Open the “Weather Patterns in Central Florida” document.

Navigate to the first table in the document.

Cropped mode will be activated automatically. Using the panning keys practice navigating in the table. Can you view the number of columns in the table? Do you find 4 columns?

Open the Braille viewer menu using Space+ dot 7+ B.

Your focus will be on “cropped mode”. Use space+ dots 1,2 to navigate to “Options” and select.

Practice toggling column indicators and dot leaders on and off to learn which settings you prefer.

Navigate the table to find the lowest air temperature in July. Did you find 75 degrees?

### Translation split activity

1. Open the “Weather Patterns in Central Florida” document.
2. Use space+ dot 7+ B to open the braille viewer menu.
3. Navigate using Space+ dot 4 to “Translation split” and select.
4. Navigate using Space+ dots 1,2 to “options” and select.
5. Navigate using Space+ dot 1 or Space +dot 4 to your desired type of braille for translation and number of lines for the split view and select.
6. The Monarch will display lines of text in your preferred type, and after the split separator in the type you chose.
7. Practice checking your work and spelling using different translation types. Experiment with split placement and number of lines.

### Web Activity

1. Use this link to open a webpage about Monarch butterflies. <https://kids.nationalgeographic.com/animals/invertebrates/facts/monarch-butterfly>
2. Point to the “Skip to Main Content” button and press the action button once.
3. This activates this option and brings you to the main article.
4. Point your finger to a word in the first line of the article and press the action button to route your cursor.
5. Use space+ dot 7+ B to open the braille view dialog.
6. Navigate to buffered text and use Space+ dots 1,2 to set options for how much of the text you wish to buffer.
7. Open a new Word document.
8. Your buffered text will display after the split separator.
9. Practice panning this buffered text using the zoom in and out keys on the Monarch.
10. Practice taking notes from this text in your document.