Controller Wizard Usage Guide

For 8032 SAASquatch

What's Controller Wizard?
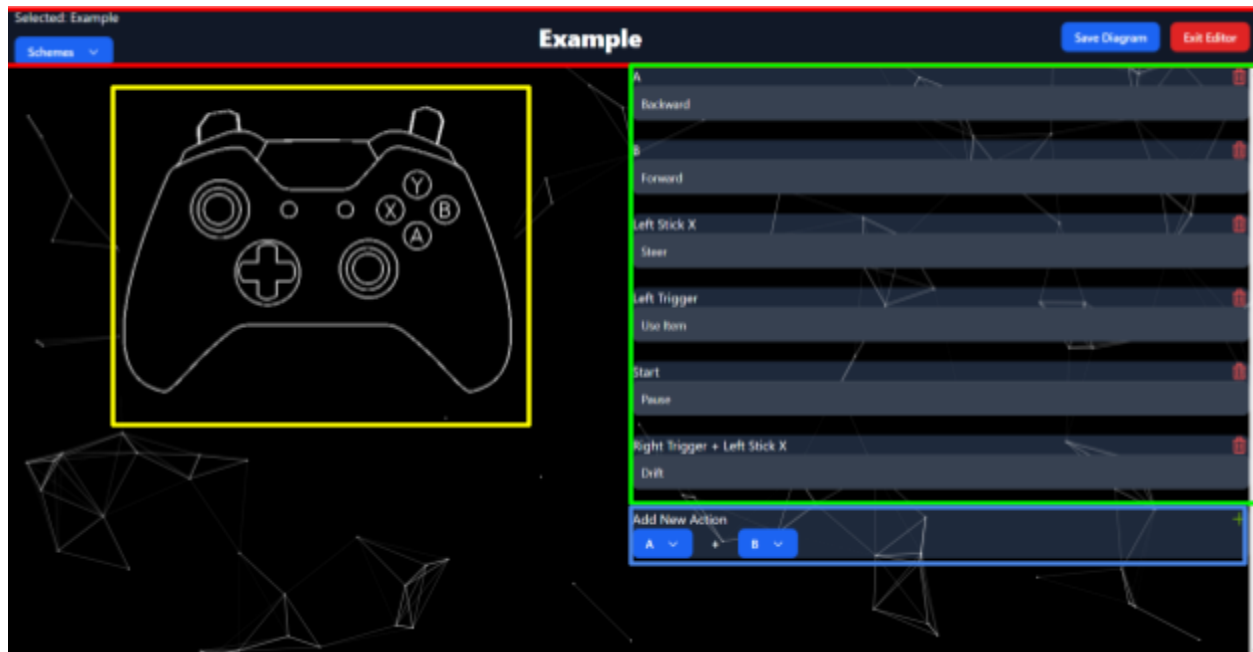
It's a tool for making controller diagrams for robots. It's available online at
https://robotleopard86.github.io/controller-wizard.

Concepts

- **Mapping** – An action associated with a button trigger
- **Combo** – A special mapping type that is triggered by two buttons
- **Scheme** – A named configuration of multiple mappings for one state of the controller

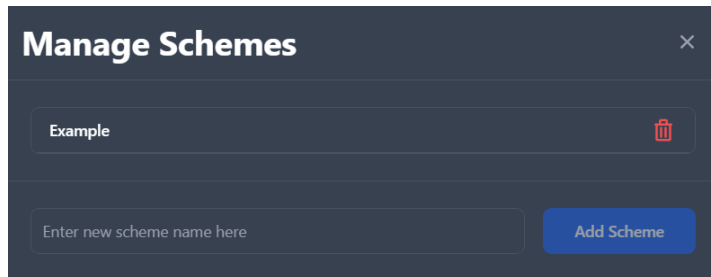Controller Wizard projects consist of multiple schemes.

The Editor

Above is a screenshot of the main editor view with the key UI areas highlighted:

- RED – Header bar. It contains key controls, like the scheme selector, save, and exit buttons.
- YELLOW – Controller. Lights up to show which button you have selected.
- GREEN – Mappings editor. Allows you to change what actions are associated with mappings in the scheme. Click the trash can icon to delete a mapping.
- BLUE – Mapping adder. Allows you to add new mappings by selecting the triggers you want and pressing the +. If the + is grayed out, you can't add that trigger because too many combos are associated with one button.
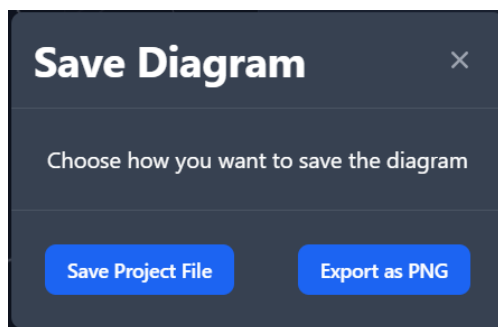
Scheme Management

You can change the active scheme by clicking the "Schemes" dropdown on the left of the header bar. Above that, it will tell you what your current scheme is. The dropdown will also feature a "Manage Schemes" button to open the Scheme Manager. The Scheme Manager lets you add and delete schemes.

This is a screenshot of the Scheme Manager. It should be self-explanatory, but click the trash can to delete a scheme and add a new one by typing its name in the text box and clicking "Add Scheme."

Saving Projects

Clicking on the "Save Diagram" button in the menu will bring up this dialog. Clicking "Save Project File" will save your project in a JSON format that lets you edit it later. Clicking "Export as PNG" will convert all schemes in the project into final PNG diagrams and download them. The first time you do this, you may get a popup from your browser asking you to allow multiple file downloads. This is required for the exporter to work.