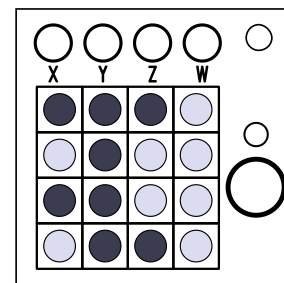


## On the Subject of Tesseractactivity

*Lights, camera, tesseractation!*

On this module is a  $4 \times 4 \times 4 \times 4$  grid. Each cell contains a sphere which may either be on (shown in a bright blue color) or off (shown in a dark blue color).



Navigate around the cube using the four buttons at the top of the module.

Pressing any one will move the cell selector one space in its direction, wrapping around if it exits the grid.

The coordinates of the selector are shown on the buttons.

Only solids with the same W coordinate as the selector are visible on the module.

A bright white sphere will show the currently selected cell in the grid. Additionally, a small LED at the right of the module will show the current state of the currently selected cell.

To toggle a cell, press the large button at the right of the module. The current cell, as well as all orthogonally adjacent cells along the X, Y, Z, and W axes will be toggled.

**Note:** Adjacent cells do not wrap around, even on the W axis.

The module is solved once all the cells in the grid are set to the same state, either all on, or all off.