

Freight Train

Freight Train

Train goes around the loop track and can
transfer to the straight track

Set #60336



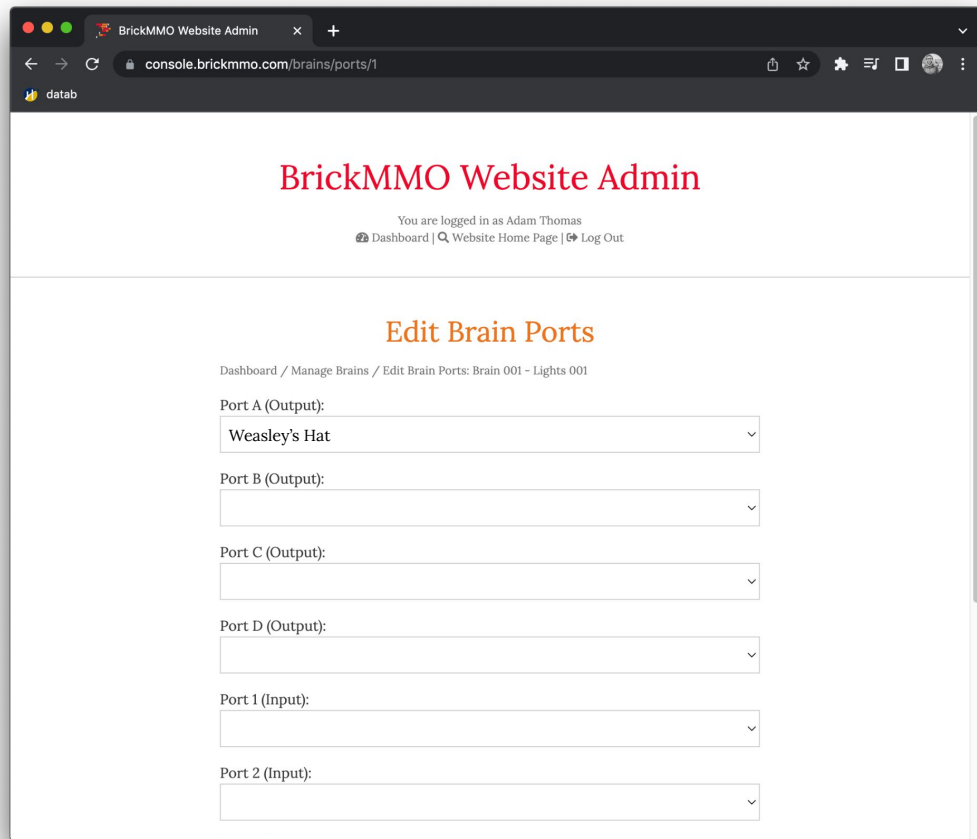
Module Description

The train will travel around the loop. The train can also switch to the straight track by toggling the switch.



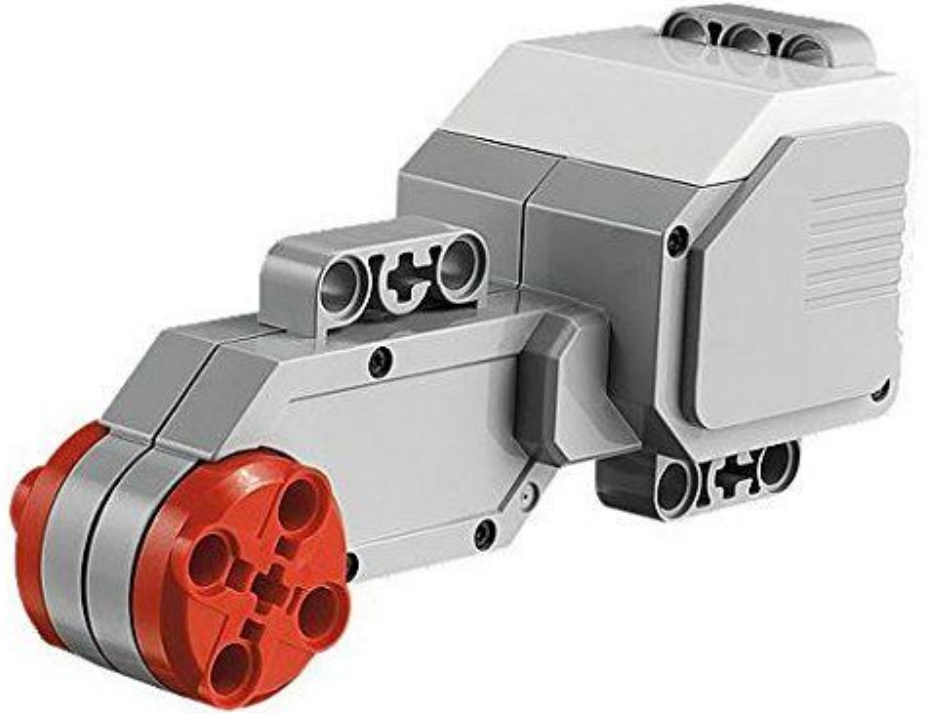
Requirements

The freight train will require one output port on an EV3 brain to accelerate. Another output port on an EV3 brain will be connected to the toggle on the track to switch tracks.



Sensors and Motors

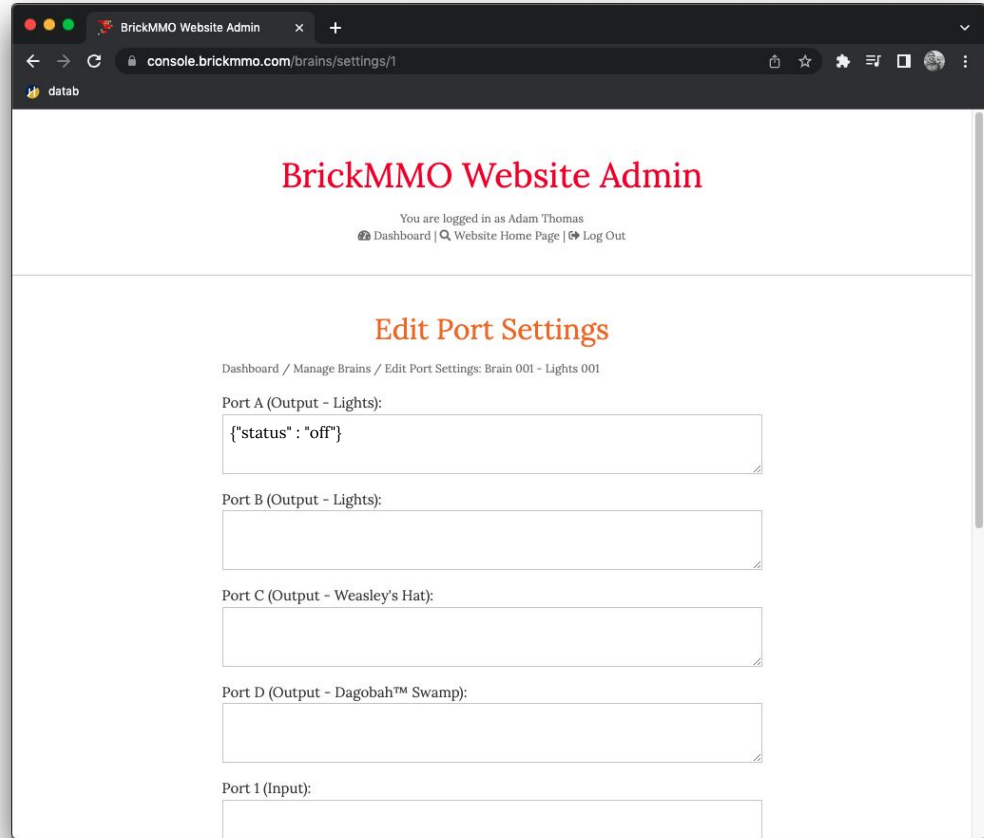
The output port will be attached to an EV3 servo motor on the train to control acceleration. The toggle on the track will have a small motor and output port to switch directions.



Port Settings

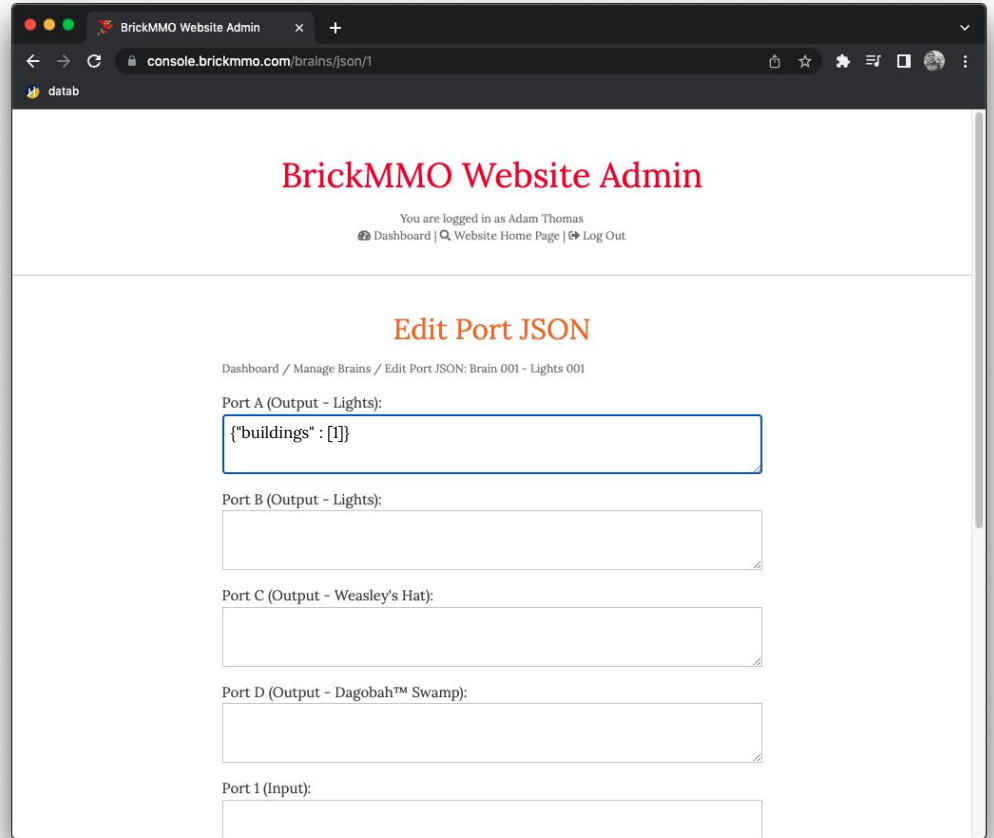
Status: Train motor can be set to “on” or “off” and can control the acceleration of the train while “on”.

Status: Can be set to "on" or "off" for the track toggle in order to change directions. When toggle is turned “on” using the interface, the train will be taken off the loop and go to the straight track.



Port JSON

Buildings: The ID of the Freight Train Track.



The screenshot shows a web browser window with the title 'BrickMMO Website Admin'. The address bar shows the URL 'console.brickmmo.com/brains/json/1'. The page content includes a header with the title 'BrickMMO Website Admin' and a login status 'You are logged in as Adam Thomas'. Below the header is a navigation bar with links: 'Dashboard | Q Website Home Page | Log Out'. The main content area is titled 'Edit Port JSON' and shows a breadcrumb trail: 'Dashboard / Manage Brains / Edit Port JSON: Brain 001 - Lights 001'. The page contains five form fields for editing port JSON data:

- Port A (Output - Lights): `{"buildings" : [1]}`
- Port B (Output - Lights):
- Port C (Output - Weasley's Hat):
- Port D (Output - Dagobah™ Swamp):
- Port 1 (Input):

IOT Loop

Train motor:

While True

 If status == "on"

 Motor speed = 10

 Else

 Motor speed = 0

Track toggle:

While true

 If status = "on"

 Switch track

