Configuring the Control Hub

The Driver Hub is used to create a Configuration File. That Configuration File is downloaded to the Control Hub. A unique name needs to be assigned to every Control Hub port (connector). Those names are used by the programming code that tells the robot what to do.

As an example, use the Control Hub Wiring Diagram. Using the Driver Hub screen => 3 vertical dots (right top corner) =>

Row 1:

Settings
Restart Robot
Configure Robot
Program & Manage
Self Inspect
About
Exit

=>

Active Configuration
New

=>

Active Configuration
Save Cancel Scan
.
.
Control Hub Portal

=>

Active Configuration
Done Cancel
Control Hub Portal
.
Control Hub

=>

Active Configuration
Done Cancel
Control Hub
Motors
Servos
Digital Devices
Analog Input Devices
I2C Bus 0
I2C Bus 1

=>

Row 2:

Active Configuration
Done Cancel
Port   Attached
0   Nothing
Motor name
1   Nothing
Motor name

=>

Active Configuration
Done Cancel
Port   Attached
0   Nothing
...
REV Robotics Core Hex Motor
...

=>

Active Configuration
Done Cancel
Port   Attached
0   REV Robotics Core Hex Motor
Motor name LeverMotor
1   Nothing
Motor name

=>

Active Configuration
Done Cancel
Port   Attached
0   REV Robotics Core Hex Motor
Motor name Lever Motor
1   Nothing
Motor name

=>

Row 3:

.
.
Ditto for other parts

=>

Active Configuration
Done Cancel
Control Hub Portal
.
Control Hub

=>

Active Configuration
Save Cancel Scan
.
.
Control Hub Portal

=>

Save Configuration
.
ExampleRobot
Configuration name
.
Cancel   OK

=>

Active Configuration
ExampleRobot
Edit Activate Delete
.
.
◁

Press back icon to activate the saved configuration. The Controller Hub will restart with the new configuration.