Quick Start Guide: QLabs Virtual QUBE-Servo 2

STEP 1	Software Prerequisites

The QLabs Virtual QUBE-Servo 2 is compatible with **Windows 10 (64-bit)** and requires **MATLAB 2019a** or later with Simulink.
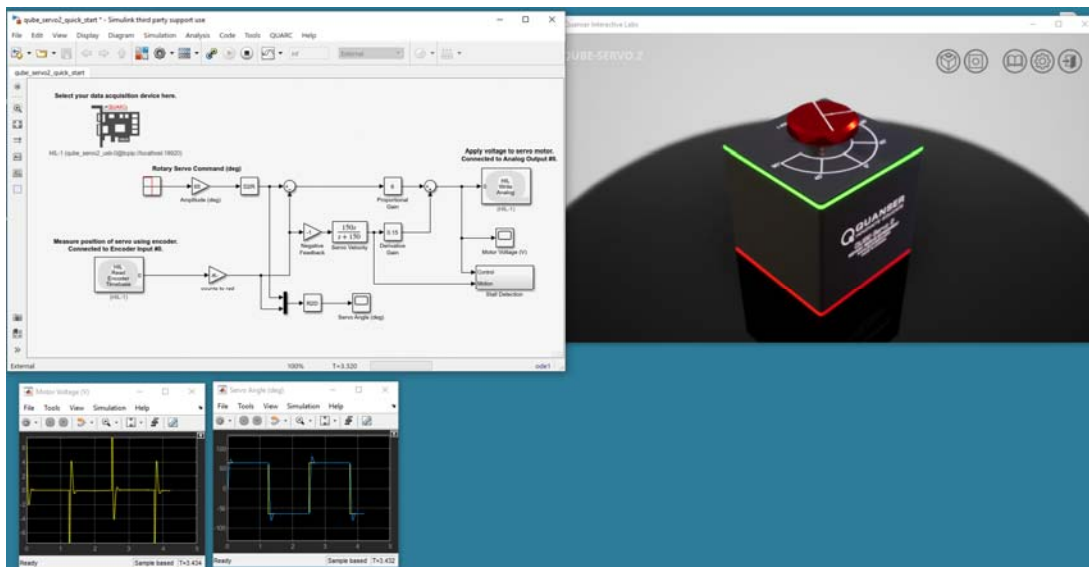
STEP 2	Register on Quanser Academic Portal

Visit the Quanser Academic Portal at https://portal.quanser.com/Accounts/Register. Follow the on-screen instructions to register and activate your account.

STEP 3	Download and Install QLabs

From the Quanser Academic Portal, download and install the latest version of the **Quanser Interactive Labs** (QLabs) for Windows application.

STEP 4	Testing the Virtual QUBE-Servo 2

1. Open the **Quanser Interactive Labs** application and login using your account.
2. From the product list select **QUBE-Servo 2**.
3. Select **Servo Workspace**. You should see a Virtual QUBE-Servo 2 as shown below.
4. Open the Simulink model **qube_servo2_quick_start.slx**.
5. Open the scopes labeled **Servo Angle (deg)** and **Motor Voltage (V)** and run the Simulink model.
6. Once the model is running, the inertia load disc should start rotating back and forth, tracking a ±50 deg servo position. Your responses should look similar to the following.
7. Stop the model.

STEP 5	Download Curriculum

To download the full student version of the QLabs Virtual QUBE-Servo 2 curriculum click on the *Open Content* icon in the app.

Still Need Help?	For further assistance from a Quanser engineer, contact us at tech@quanser.com