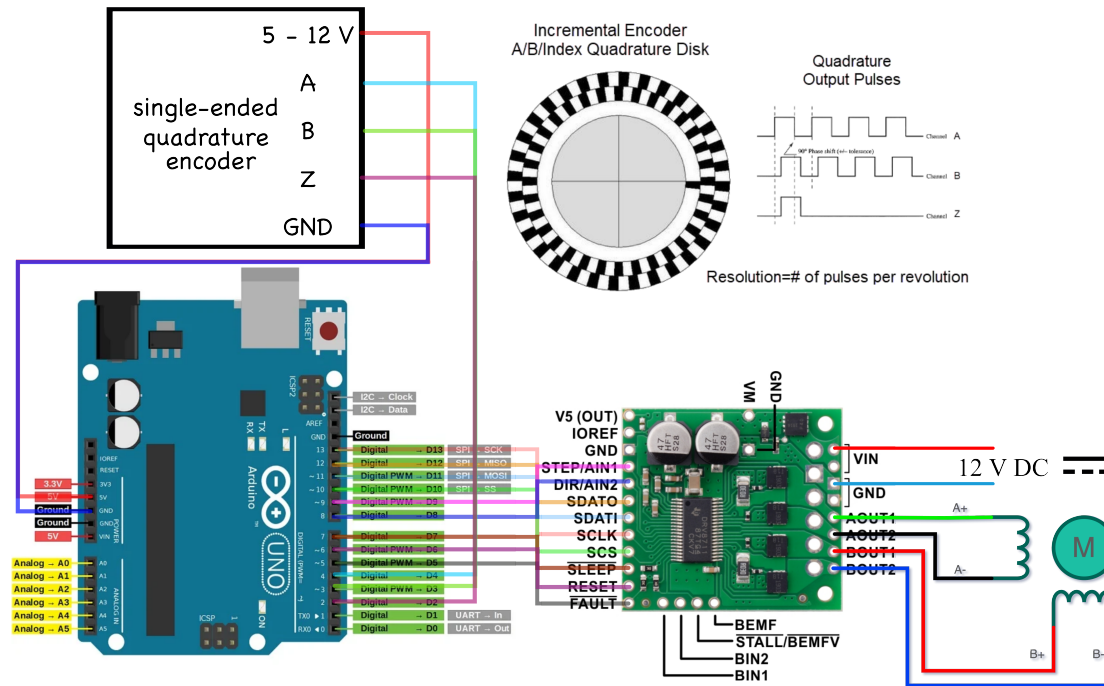# Quick Start Guide for Stepper Motor/Encoder Controller

Device Overview

This controller is specifically engineered to manage the functionality of a four-wire bipolar stepper motor alongside a single-ended quadrature encoder. It incorporates the robust Pololu High-Power Stepper Motor Driver 36v4, capable of driving substantial bipolar stepper motors within an 8 V to 50 V operating range. The driver maximises power throughput via external dual H-bridges, facilitating continuous currents up to 4 A for each motor phase without the necessity for supplemental cooling solutions like heat sinks or active airflow. An Arduino Uno serves as the interface for relaying command signals to both the encoder and the Pololu driver.

Getting Started
- Confirm the Arduino board's connection to a computer.
- Establish Serial Communication post-Arduino Code implementation.

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