

```

// Includes //
#include <Wire.h>

int j1 = 0;
int j2 = 0;
int j3 = 0;
int j4 = 0;
int bt1 = 3, bt2 = 4, bt3 = 5, bt4 = 6, bt5 = 7, bt6 = 8, bt7 = 9, bt8 = 10,
bt11 = 13;
int l1 = 2, fwd = 12, rev = 11, bz = 1, l2 = 1;

String Rx = "";
String Tx = "";

void setup() {
  Serial.begin(9600);
  Serial.setTimeout(10);
  Serial.println("My Controller (MyCtrl)");
  pinMode(bt1, INPUT_PULLUP );
  pinMode(bt2, INPUT_PULLUP );
  pinMode(bt3, INPUT_PULLUP );
  pinMode(bt4, INPUT_PULLUP );
  pinMode(bt5, INPUT_PULLUP );
  pinMode(bt6, INPUT_PULLUP );
  pinMode(bt7, INPUT_PULLUP );
  pinMode(bt8, INPUT_PULLUP );
  pinMode(bt11, INPUT_PULLUP );
  pinMode(fwd, INPUT_PULLUP );
  pinMode(rev, INPUT_PULLUP );

  pinMode(A4, OUTPUT);
  pinMode(A5, OUTPUT);
  pinMode(l1, OUTPUT);
}

// A2 Full DN = 0, Mid = 496 & Full UP = 1019 //
// A3 Full DN = 3, Mid = 500 & Full UP = 1021 //

void loop() {
  j1 = analogRead(A0);
  j2 = analogRead(A1);
  j3 = analogRead(A2);
  j4 = analogRead(A3);

  int(fwrdr) = digitalRead(fwd);
  int(revs) = digitalRead(rev);
  int(b1) = digitalRead(bt1);
  int(b2) = digitalRead(bt2);
  int(b3) = digitalRead(bt3);
  int(b4) = digitalRead(bt4);
  int(b5) = digitalRead(bt5);

  if(fwrdr == 0) {
    Serial.println("fwd");
    digitalWrite(A5, HIGH);
    digitalWrite(l1, HIGH);
    delay (750);
    digitalWrite(A5, LOW);
    digitalWrite(l1, LOW);
  }
  if(revs == 0) {
    Serial.println("rev");
  }
}

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    digitalWrite(A5, HIGH);
    digitalWrite(l1, HIGH);
    delay (750);
    digitalWrite(A5, LOW);
    digitalWrite(l1, LOW);
}
if(b1 == 0) {
    digitalWrite(l1, HIGH);
    Serial.println(j1);
    Serial.println(j2);
    Serial.println(j3);
    Serial.println(j4);
    delay (750);
    digitalWrite(l1, LOW);
}

// SERIAL PORT HANDLER //
if (Serial.available() > 0) {
    {
        Rx = Serial.readString();

    }
}
}

```