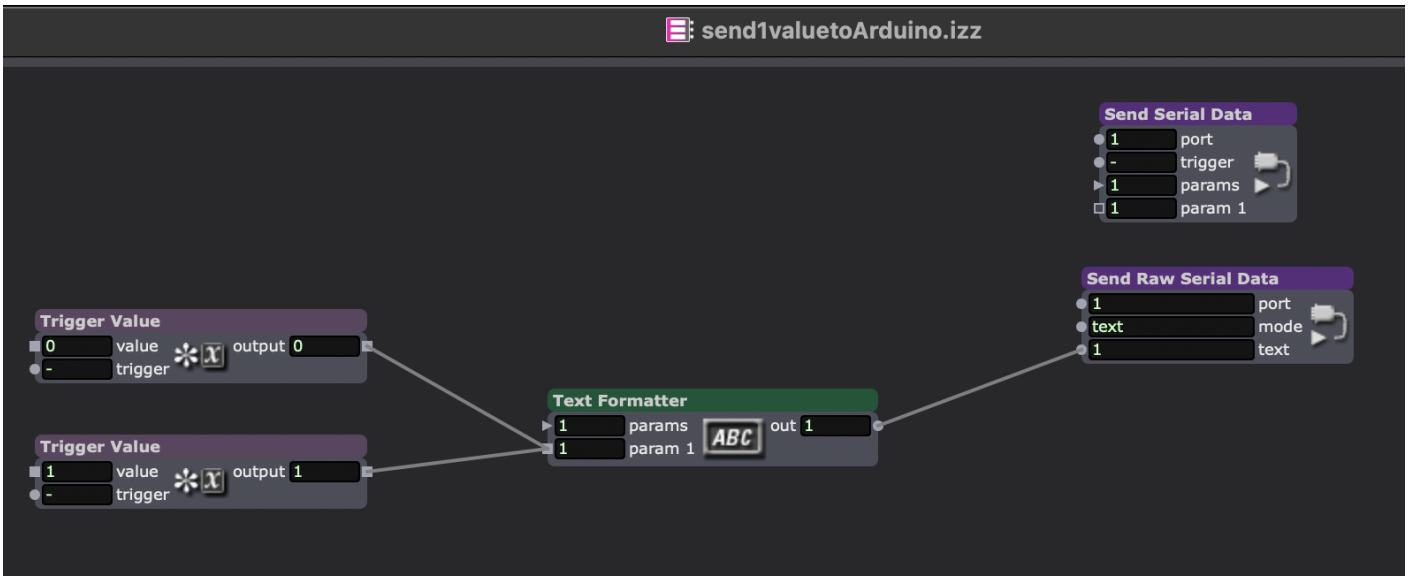
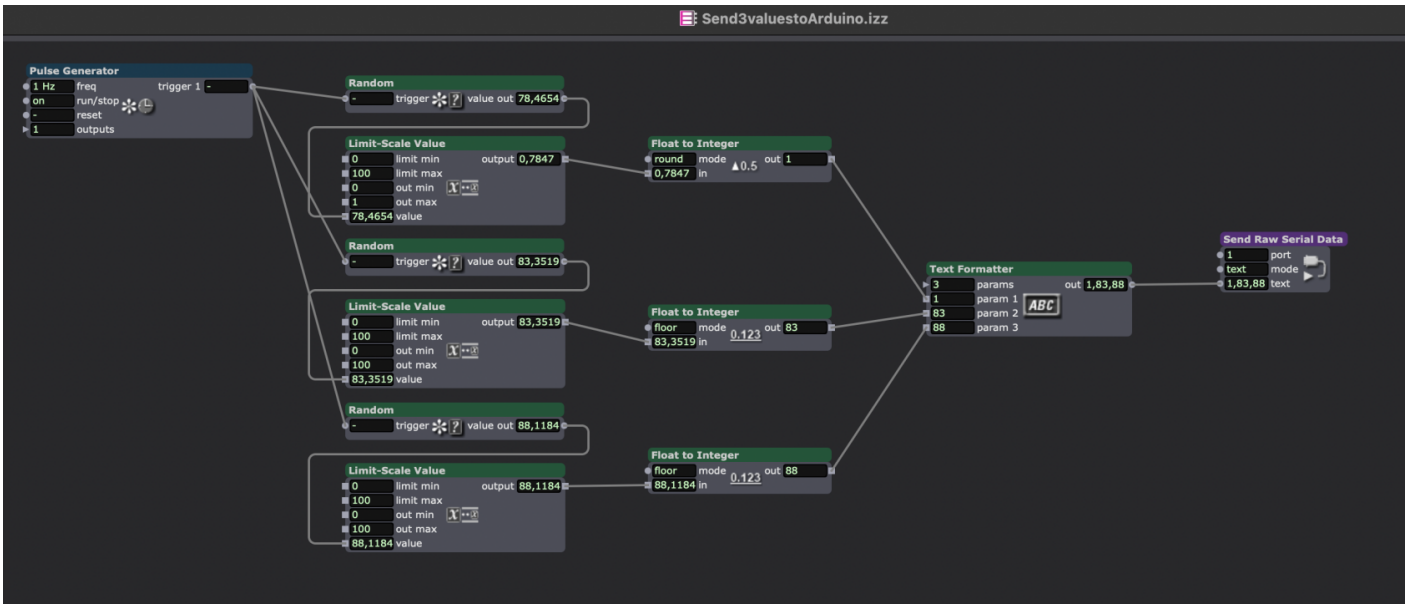
Send data from Isadora to Arduino

Think of it as if you were building the circuit in Arduino and you use the message from Isadora to Arduino to turn the circuit on or off.

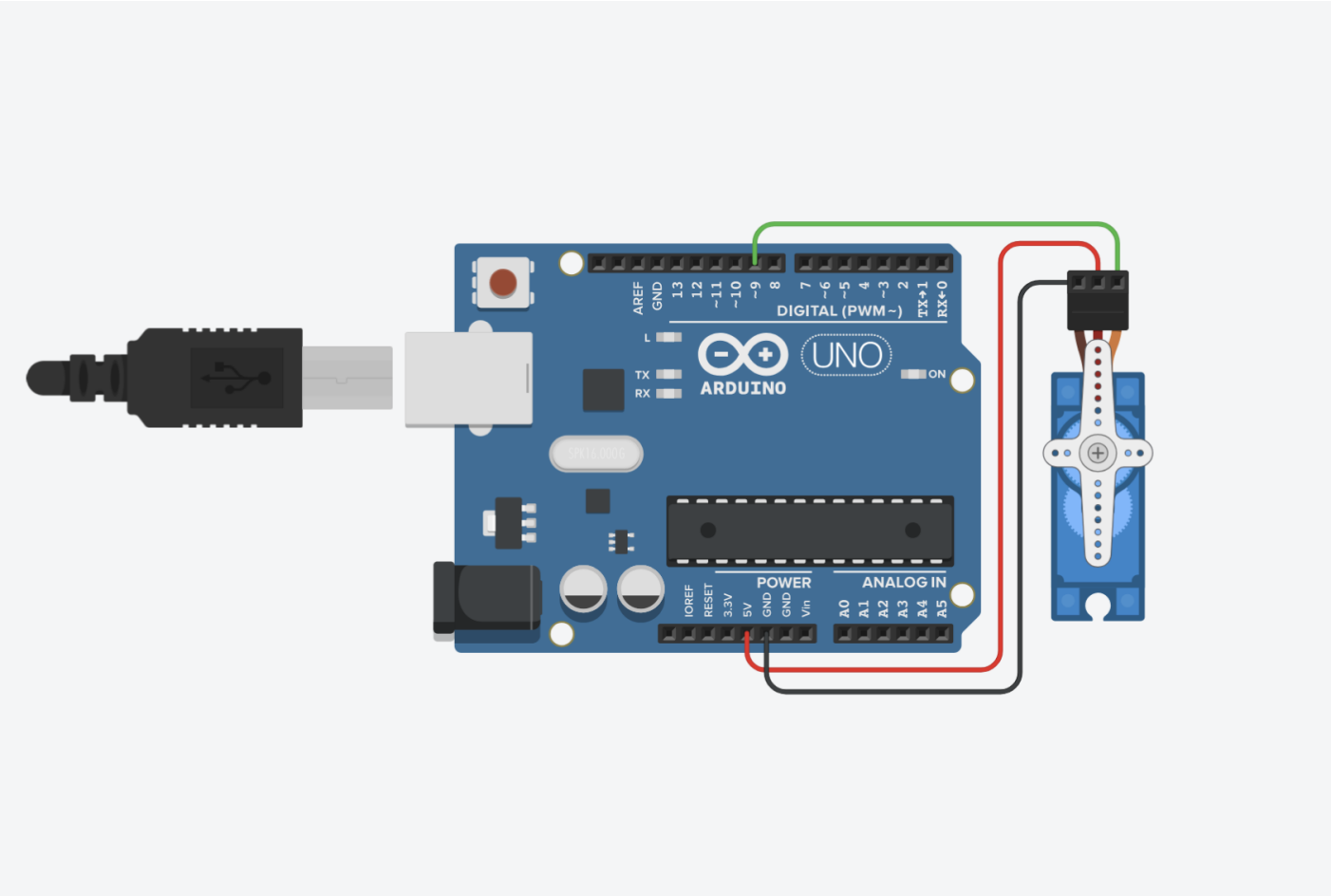
Work files for Arduino & Isadora are added to this book, screenshots just for show ;)





Files not made by me, for more info contact me (Simone van Dordrecht) or Machiel Veltkamp <machiel.veltkamp@hku.nl>

Example project:
Control motor with Isadora

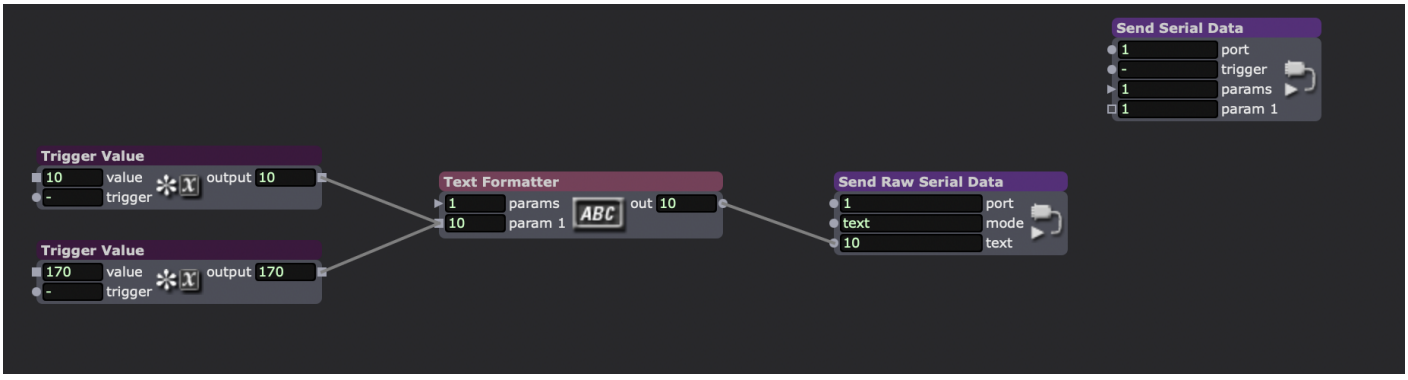


Download Isadora file:

[send-value-to-ArduinoV2.izz]

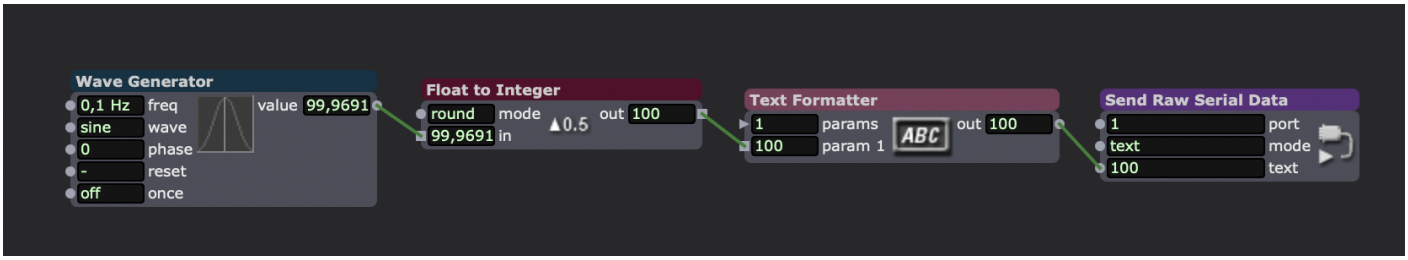
If you rebuild this yourself kno that the text formatter actor needs a hidden setting change. Double click on it to open the text field and replace "data" with: P1

fixed values:



or

Range of values (doesnt work well with motors):



Arduino code:

```
#include <Servo.h>


Servo myServo;

int pos = 0;


void setup() {
 Serial.begin(9600);
 myServo.attach(9);
}


void loop() {
 if (Serial.available() > 0) {
 pos = Serial.parseInt(); // verwacht een getal 0-180
 pos = constrain(pos, 0, 180);
 myServo.write(pos);


 // resterende tekens (zoals de newline) uit de buffer opruimen,
 // zodat parseInt() niet nog een keer wordt aangeroepen op een lege regel
 while (Serial.available() > 0) {
 Serial.read();
 }
 }
}
```

Revision #5
Created 2025-02-05 15:40:32 UTC by Simone
Updated 2026-11-19 10:57:22 UTC by Simone