Here’s your **final shopping list** with links to items commonly available online. This list is tailored for your Teensy-based RC transmitter emulator:

**1. Core Components**

1. **Teensy 4.1 Microcontroller**
   * Description: High-performance microcontroller for signal processing and PPM generation.
   * Link: Buy Teensy 4.1
2. **Rotary Potentiometers (4)**
   * Description: Linear-taper 10kΩ potentiometers for input control (pitch, roll, yaw, throttle).
   * Link: [Buy Potentiometers](https://www.amazon.com/s?k=10k+potentiometer)
3. **Archer Plus SR8 Receiver**
   * Description: PPM-compatible RC receiver with integrated gyro for stabilization.
   * Link: Buy Archer Plus SR8

**2. Power Supply**

1. **5V, 5A Power Supply**
   * Description: A reliable power source for the Teensy and receiver.
   * Link: [Buy 5V Power Supply](https://www.amazon.com/s?k=5v+5a+power+supply)
2. **UBEC (Universal Battery Eliminator Circuit)**
   * Description: Provides regulated 5V power from LiPo batteries.
   * Link: [Buy UBEC](https://www.amazon.com/s?k=ubec+5v)

**3. Wiring and Accessories**

1. **Jumper Wires**
   * Description: Male-to-male and male-to-female jumper wires for prototyping.
   * Link: [Buy Jumper Wires](https://www.amazon.com/s?k=jumper+wires)
2. **Solderable Prototype PCB**
   * Description: For creating a permanent wiring solution.
   * Link: [Buy Prototype PCB](https://www.amazon.com/s?k=prototype+pcb)
3. **Capacitor (1000µF)**
   * Description: Stabilizes the power supply for smooth operation.
   * Link: [Buy Capacitors](https://www.amazon.com/s?k=1000uf+capacitor)
4. **Enclosure or Joystick Case**
   * Description: A project box or joystick housing to secure components.
   * Link: [Buy Enclosure](https://www.amazon.com/s?k=project+box)

**4. Optional Components**

1. **SD Card Module**
   * Description: For data logging (optional).
   * Link: [Buy SD Card Module](https://www.amazon.com/s?k=sd+card+module)
2. **Push Buttons or Toggle Switches**
   * Description: For adding extra input channels.
   * Link: [Buy Push Buttons](https://www.amazon.com/s?k=push+buttons)

**5. Debugging Tools**

1. **PPM Signal Tester**
   * Description: Useful for verifying the Teensy’s PPM output.
   * Link: [Buy PPM Tester](https://www.amazon.com/s?k=ppm+signal+tester)
2. **USB Logic Analyzer**
   * Description: For debugging and analyzing signals.
   * Link: [Buy Logic Analyzer](https://www.amazon.com/s?k=usb+logic+analyzer)

**Software Requirements**

1. **Arduino IDE with Teensyduino Add-on**
   * Link: Download Teensyduino
2. **Servo.h Library**
   * Link: Install Servo.h
3. **SD.h Library (Optional)**
   * Link: Install SD.h