Baseline Capacitance Demonstration (Two Scenarios)

Scenario A — Clip connected *before* switching ON

1. Connect the alligator clip to A1.

2. Switch ON the CPX.

3. Observe:
   → No sound (baseline capacitance includes the clip + finger touch)

4. Ask students: *Why do you think no beeping happens?*

Scenario B — Clip connected *after* switching ON

1. Switch ON the CPX first.

2. Then connect the alligator clip to A1.

3. Observe:
   → Beeping continues (capacitance changed after baseline was set)

4. Ask students: *What changed when we connected the clip later?*

Key Takeaway for Students

The CPX measures its **baseline capacitance at startup**.
Any **change** after startup triggers the touch input.