

Introduction to Crickit

Step 1: What is Crickit?

- Crickit = *Creative Robotics & Interactive Construction Kit*
- It is an add-on board for CPX, used to control motors, servos, speakers, sensors, etc.
- It gives extra power and more ports.

Step 2: Why do we need Crickit?

- CPX alone can't give enough power for motors.
- Crickit has special motor and servo ports.
- It is safe, stronger, student-friendly.

Step 3: Mounting CPX on Crickit

- Place CPX on top of Crickit using 8 screws or clips.
- Connect with the small ribbon cable.
- Power the Crickit using 5V DC adapter or battery pack.
- CPX gets power from Crickit automatically.

Step 4: Ports on Crickit

- Servo Ports: marked 1 to 4
- Motor ports, Speaker, Neopixel, I/O terminals, external connections
- Students can identify each port