

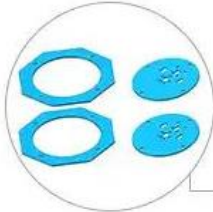
LeapPA



- 1) Leap Paw adopts high life bus servo
- 2) All metal structure, use blue oxidation treatment.
- 3) Support phone, computer and offline manual programming
- 4) Support mouse, cell phone, tablet, handle, computer control
- 5) With angle readback k, temperature, voltage feedback and blocking protection



Metal bracket



Metal rotational station



Bus servo controller



Machine claw



Vacuum chuck

3 Kinds of Programming Operation

Various programming method, let you write action group anywhere and anytime



1

Computer
Programming

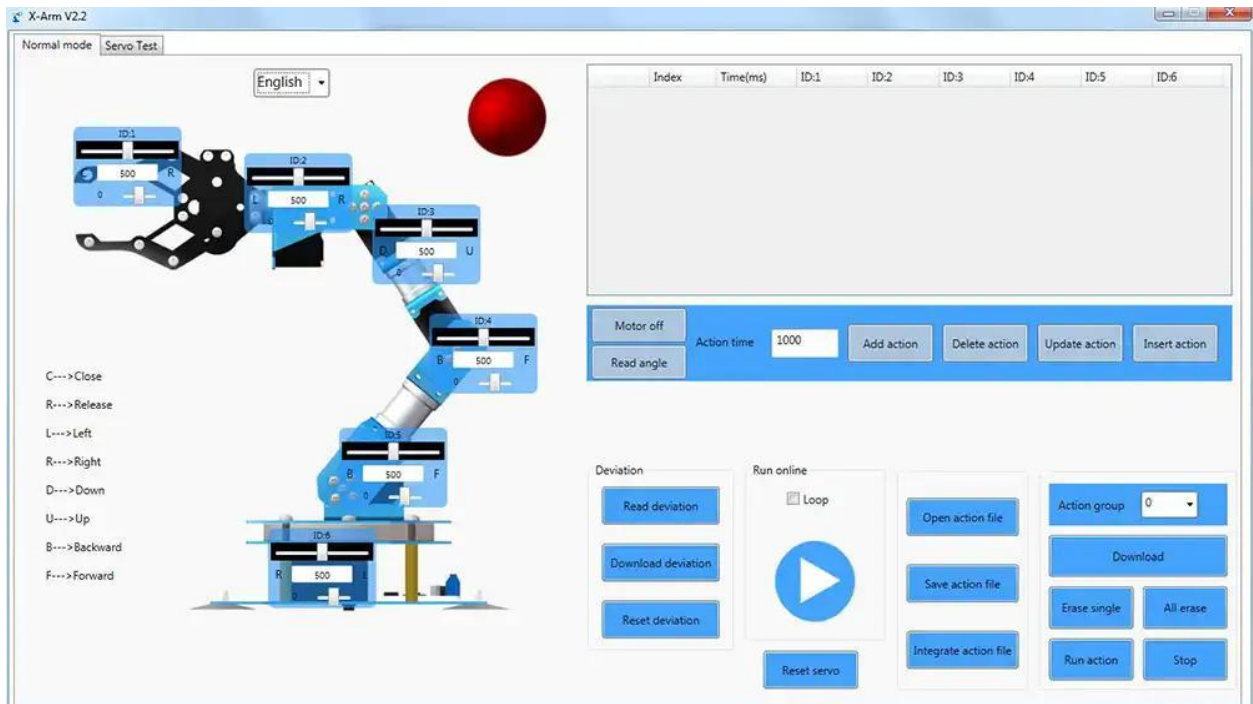
2

Mobile Phone
Programming

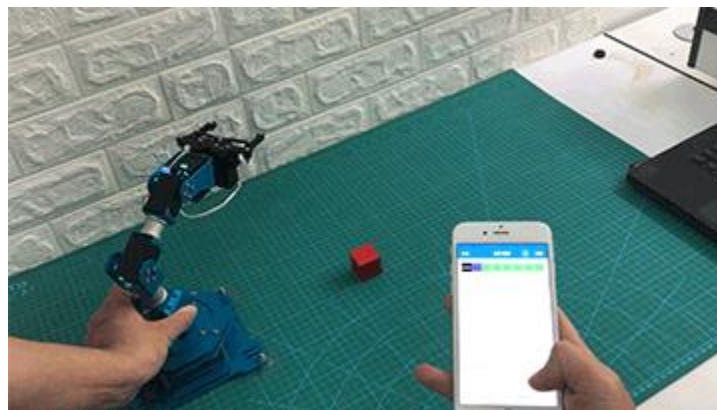
3

Offline Manual
Programming

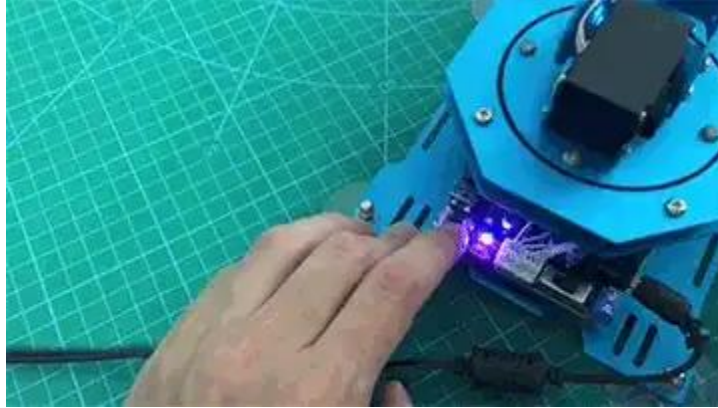
- 1) Computer interface programming: With graphical programming software, you can drag the block to adjust servos' angle, thus adjust the posture of robotic arm.



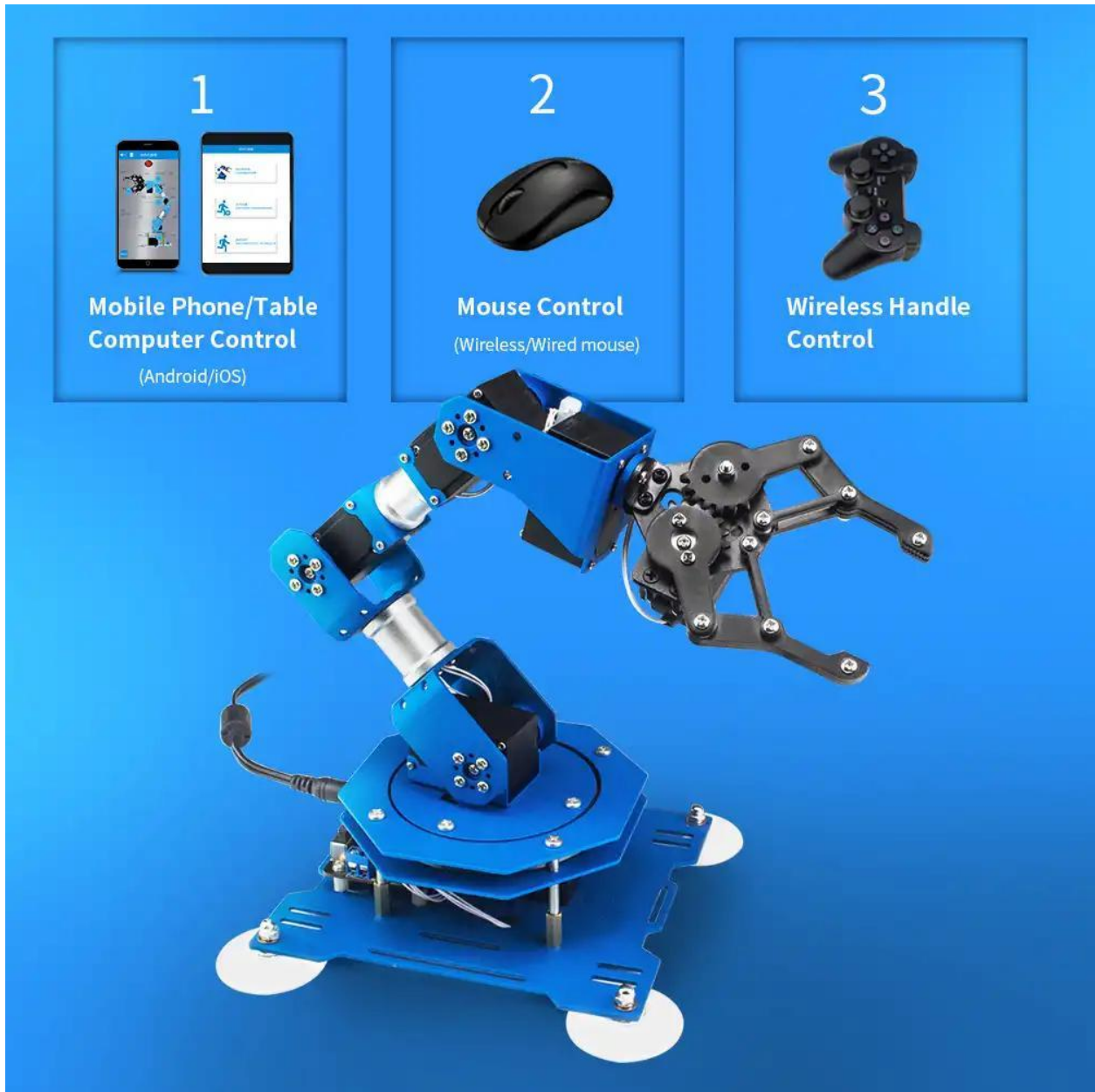
- 2) Mobile Programming: You can use mobile phone to write action group without computer. Exquisite interface, easy to operate.



- 3) Offline Manual Programming: You can write action group without any device, all you need to do is change the arm posture manually, and use the button on the arm to save action. Just click the button to run action group after you finish a complete a set of actions.



3 Kinds of Control Methods



Mobile Phone/Table
Computer Control

Mouse Control

Wireless Control





LX-15D Intelligent Bus Servo

- 1) Full metal gear
- 2) High-Precision potentiometer
- 3) Large torque
- 4) Support read angle, feedback of the temperature, voltage with LED indicator

Specifications:

Weight: 43.3g

Dimension: 44.02mm x 22.92mm x 27.00mm

Speed: 0.18sec/60 @5V 0.15sec/60 @6V

Servo accuracy: 0.24°

Control Angle: 0°-240°degree

Torque: 15 kg/cm (208 oz/in) @6V;17 kg/cm (236 oz/in) @7.4V

Working voltage: 5-8.4V

Servo ID: 0~253

Storage users' parameter setting after power off: support

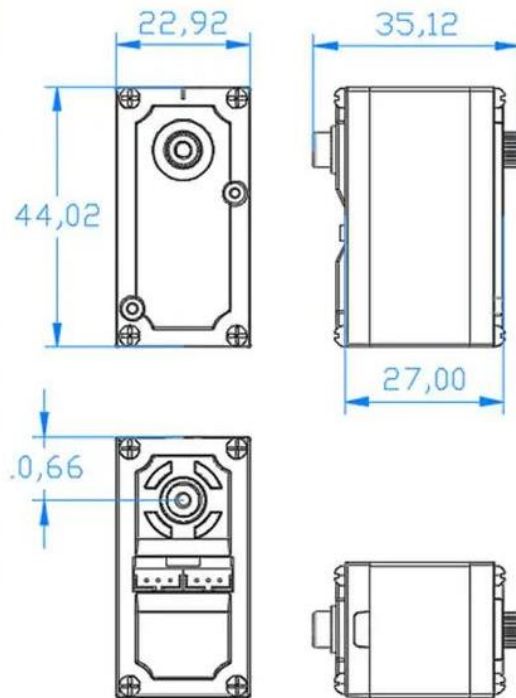
Minimum working current: 1A

Read Angle: support

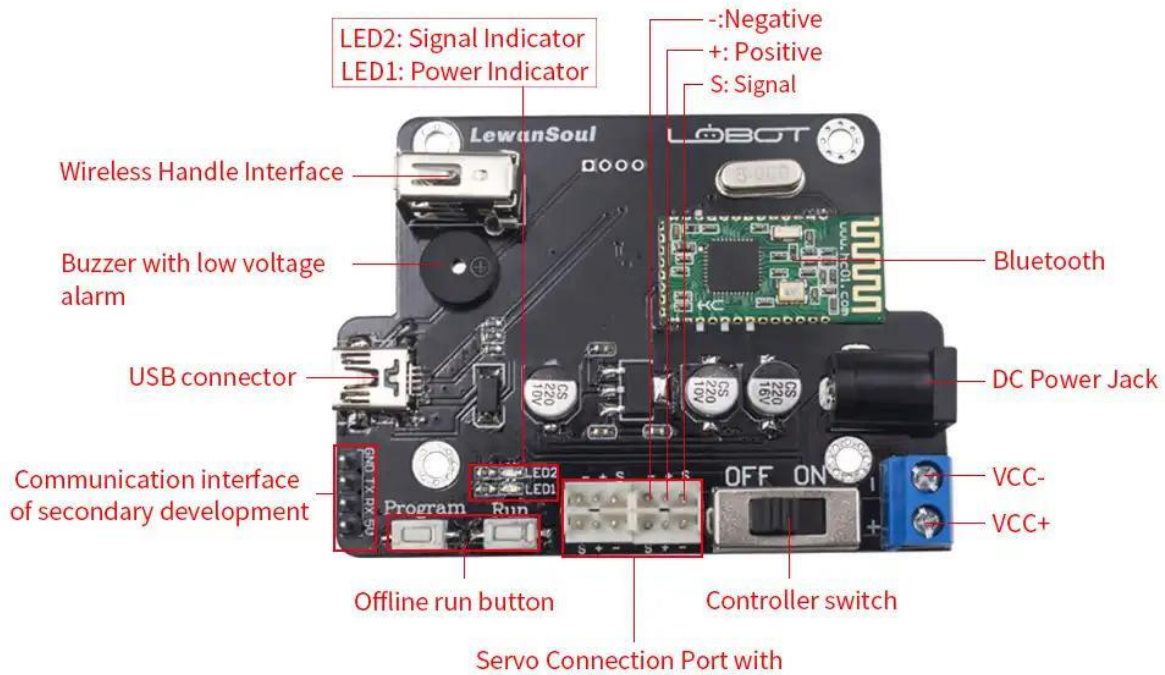
Control method: serial command

Communication baud rate: 115200

Feedback parameter: temperature, voltage, position

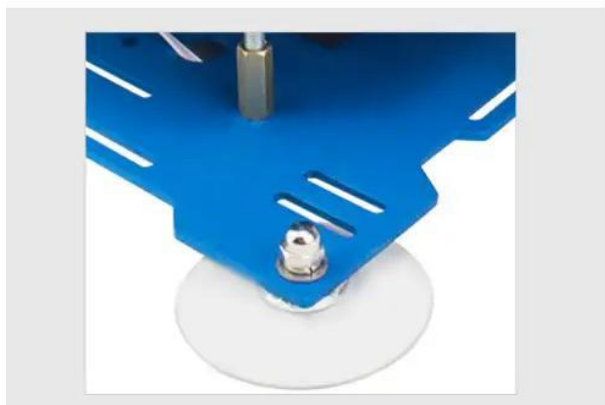
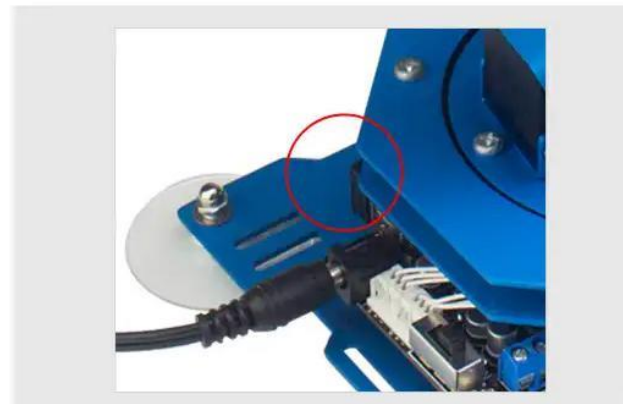


Robotic arm controller uses ARM as CPU, built-in Bluetooth module and 16M memory, each action group can hold 510 actions!



Simplifying wiring progress

Can use 7.5V adapter to supply power, not require any extra voltage regulator module. Handle receiver use USB port, plug and play.

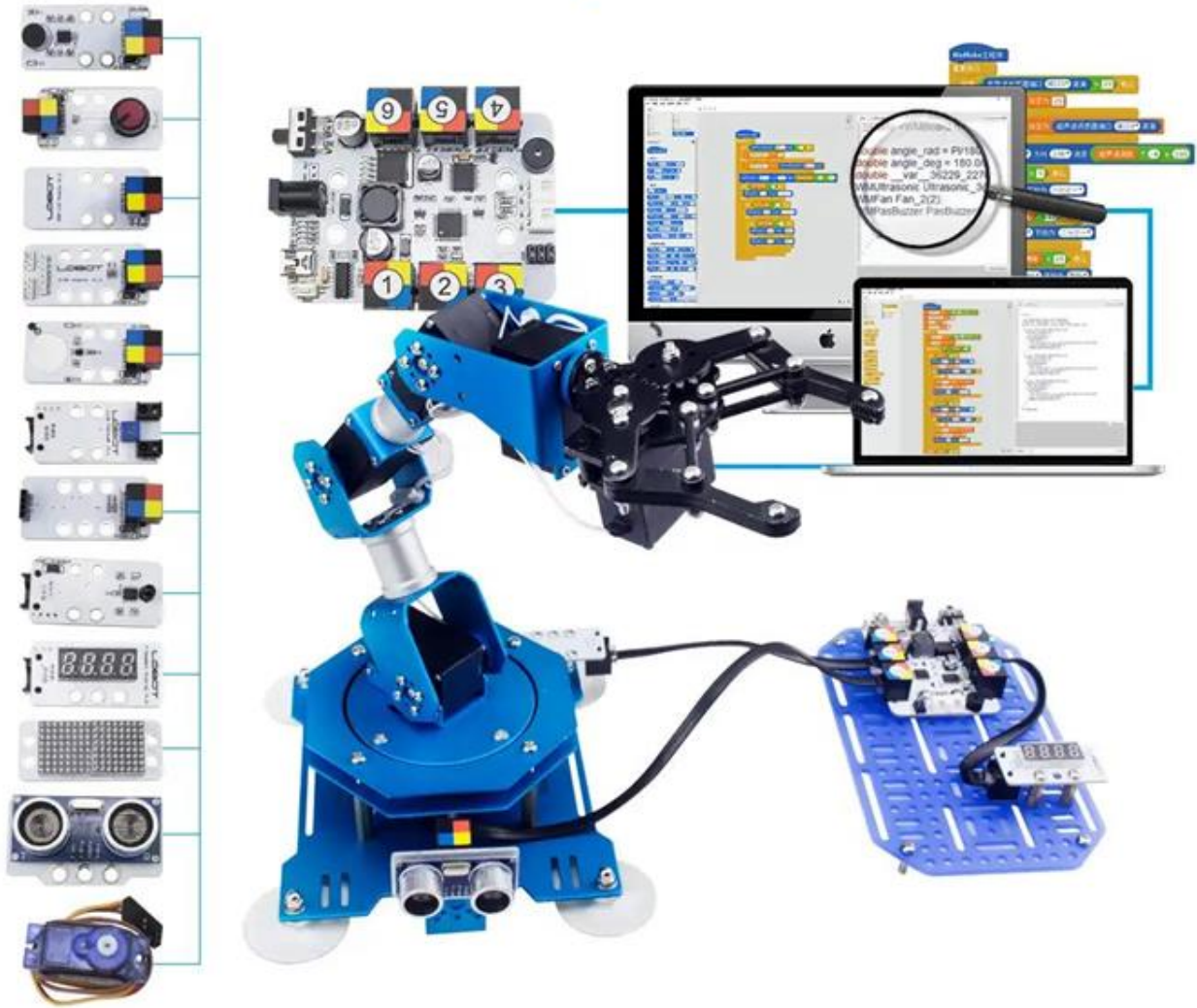


Suction cup design

Uses vacuum suction cup, which can firmly fixed the robotic arm on the table.



About Scratch/Arduino Secondary Development



In order to make Leap Pa more functional, we prepare you with a secondary development kit. This kit contains various electronic modules and structural parts, we can use Scratch or Arduino to program, and implement many creativity and gameplay. We provide you with 10 gameplays of Leap Pa, each gameplay comes with detailed code and video tutorials.