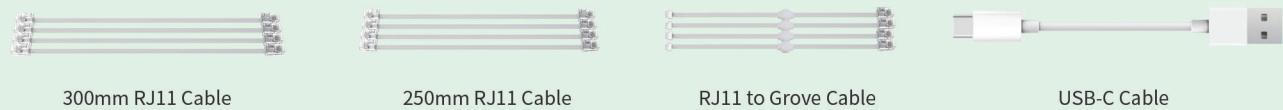
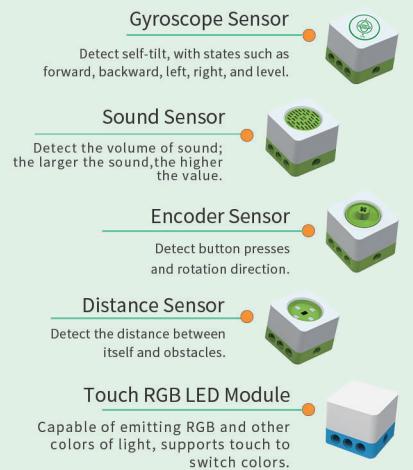


Parts List

*Kit configurations may vary by models; Please refer to the actual package for details.

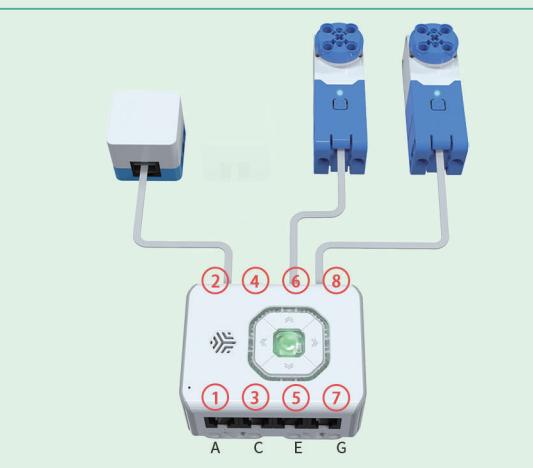


RJ11 to Grove Cable



Servo Motor
Capable of controlling forward and reverse rotation, speed, angle, and power.

Usage 1: Direct Control



In Direct Control mode, ports 2, 4, 6, and 8 on the Bricks Hub act as device output ports on one side.

The circular buttons on the Bricks Hub control the output of ports 2 and 4 in an up-down direction (e.g., controlling LED light on/off), while the left-right circular buttons control the output of ports 6 and 8 (e.g., controlling motor direction).

Note: If sensors are connected to ports 1 or 3, the up-down buttons will be disabled; if sensors are connected to ports 5 or 7, the left-right buttons will be disabled.

ICBricks Hub Function Introduction

Note: When the ICBricks Hub is powered on, if any input or output device is connected, the ICBricks Hub will emit a sound alert. The device will automatically shut down if there is no operation for more than 20 minutes.

ICBricks Hub Status Indicator Light

Battery Level Display in Power-On State:



The ring light gradually transitions from green to red (indicating decreasing battery level).

The middle light functions as a multifunction indicator for Bluetooth connection and program execution during downloads.



Power-On Battery Level Indicator Upon startup, it displays blue. (Transitioning from Green to Red).

Running download program (flashing yellow).

Usage 2: Logic Control

When the actuator is symmetrically connected with the sensor, the ICBricks Hub enters logic control mode.

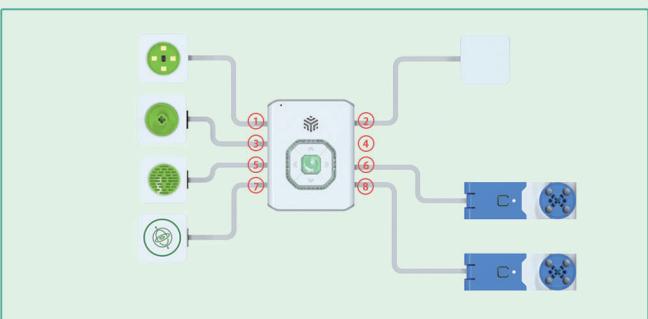


Figure 1

As shown in Figure 1, sensors are connected to ports ①, ③, ⑤, and ⑦ on the left side, and they can control the actuator modules connected to ports ②, ④, ⑥, and ⑧ on the right side. The logic is that ① controls ②.

Example: Control the brightness of a touch-sensitive LED at port ② with the distance sensor at port ①.

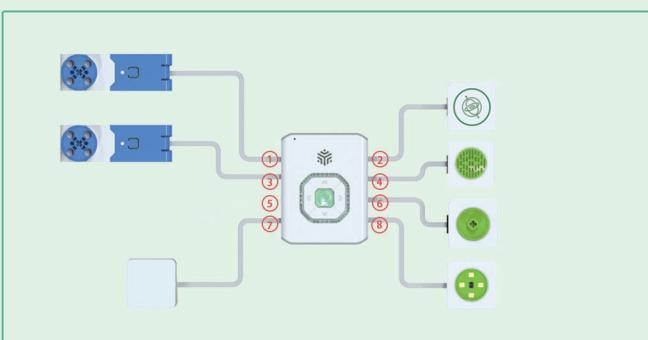


Figure 2

As shown in Figure 2, sensors are connected to ports ②, ④, ⑥, and ⑧ on the right side, and they can control the actuator modules connected to ports ①, ③, ⑤, and ⑦ on the left side. The control logic is that ② controls ①.

ICBricks

Download Software



ICBricks



Scan the QR code to download



Scan the QR code for project demo videos and coding tutorials.



Scan the QR code for detailed instruction.

The ICBricks Coding software works with two modes:

Basic Edition (Landscape Mode): Ideal for beginners, it's simple and easy to use.

Advanced Edition (Portrait Mode): Perfect for more experienced users who want to dive deeper into coding.

*Product software updates will not be notified separately.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

I Create Robot

ICBricks Coding Robot Kit



Precautions

1. The sensor parts in this set are bare circuit boards, which are not suitable for children under 3 years old. They should be used under the supervision and protection of adults.
2. This product is an electronic device with delicate circuits and structures inside. Please avoid dropping or smashing it, and prevent it from getting wet.
3. Please do not disassemble, repair, or modify this product by yourself.
4. The charger should be used by an adult or under adult supervision. Please regularly check whether the power cord, plug, housing, or other components are damaged. If any damage is found, do not use the charger until it is repaired. Be sure to use the original charger.
5. It is normal for the main controller to heat up during charging. It is strictly prohibited to block or wrap it with foreign objects, which may affect heat dissipation. After the device is fully charged, turn off the power in time. Overnight charging is strictly prohibited.
6. Transformers, power supplies, and connecting cables are not toys. Please do not use them as toys.
7. Before cleaning it, cut off the power supply. Wipe it with a precision electronic cleaner. Do not attempt to clean the product with water or other cleaning agents, as this may damage the product.
8. Randomly discarding this product may have an impact on the environment. Please properly recycle it.
9. The product manual and packaging contain important information. Please keep them for future reference.

Specifications

Charging Input	5V==1A
Battery Capacity	LiPo 7.4V 900mAh
Communication	Bluetooth、USB
Bluetooth Range	Within a range of 60 meters (in an open environment)
Operating Temperature	0°C~40°C
Storage Temperature	-10°C~55°C



*For detailed information, please visit the official website: www.icreaterobot.com