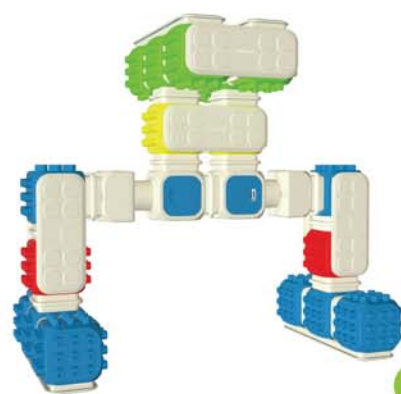


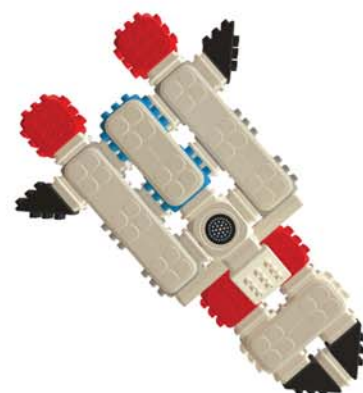
DINOSAUR



KING KONG



CAR



ROCKET SHIP

Examples of Assembly



3pin USB cable x1



Double sided connector blocks x8



One sided connector block x6

Sub-wheel Block x2



Wheel x2



Connector block x50



Building Block (cube) x30



Building Block (pyramid) x6



Light and Touch Sensor Block x1



Proximity Sensor Block x1



Sound Block x1



LED Block x1



DC Motor Block x2



Master Block x1

Component

Safety Warning

- **Warning! Due to the inclusion of small parts, this set is not to be used by children below 3 years old.**
- **Warning! In the case of fire, move away from the source**
- Do not use excessive force
- Do not throw products at people or animals as it may result in injury
- Recharging of the batteries should be done by or with the assistance of an adult
- Please keep away from water and or humid conditions as the module blocks are not waterproof
- Do not store in places of high temperatures, low temperatures or in extreme sunlight for extended periods

Precautions

- There is a possibility of interference with connectivity during operation of the relevant wireless equipment.
- If the environment is not conducive to Bluetooth connectivity, communication between the block and your device may not be seamless
- Environments suitable for charging and usage will have a temperature between 18°C to 28°C, with humidity ranging from 10% to 80%
- Batteries not certified by Cubroid are at risk of fire, explosion and leakage.
- Depending on the environment the batteries performance may vary slightly

A/S Information

- Warranty Period: 1 year from the date of purchase (battery, motor, etc.)
- Warranty Period: We will repair defects free for six months from the date of purchase and we will replace them if repair is not possible.
- We will repair any defects in performance and functionality caused by normal use within the warranty period, and will replace the product if it can not be repaired.

Paid Out-of-Warranty Services

- If the warranty period has passed
- In the instance of the user's mishandling
- Damage from repairs done outside of Cubroid's repair center
- Life span of the component has expired
- Product breakdown or damage cause by a natural disaster



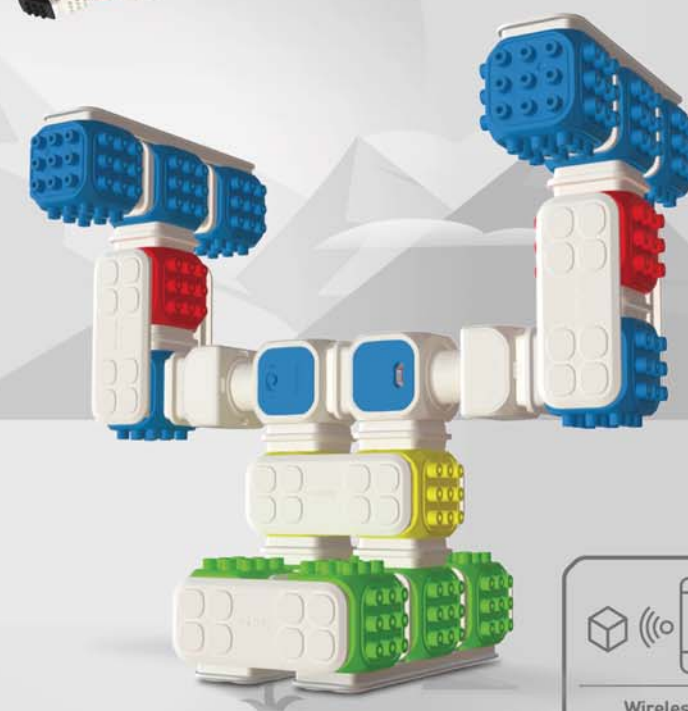
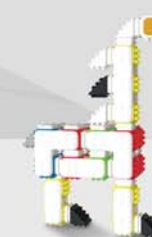
Made in China
Designed by Cubroid in Korea

Contacts

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CODING BLOCK

User Manual



Charging and Functionality

Charging



1 After connecting the USB cable to the USB charging adapter, plug them into the connection jack on the back of the module

2 When charging the module, the LED beside the function button will be red. When charging is complete, the light will turn blue.

Functionality



Block Functionality

1 Master Block



Be expressive and code with a variety of colors. Cubroid can be linked to the Scratch program when connected to a computer.



If you connect the USB cable, you can enter Scratch mode



If you press the function button, you will enter the automatic operation mode



White LED
Smartphone Mode

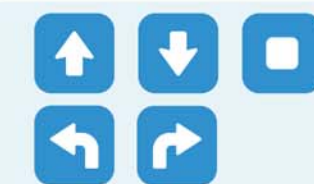


Green LED
Scratch Mode



Blue LED
Automatic Operation Mode

2 DC Motor Block



Go straight, reverse, stop, left turn, right turn coding commands

⚠ Forcefully turning the motor-head can cause issues.

• Block with 360 degree rotation

Due to the mechanics of the DC Motor the speed of both blocks may differ slightly.

3 LED Block

8x8 Dot Matrix LED Display

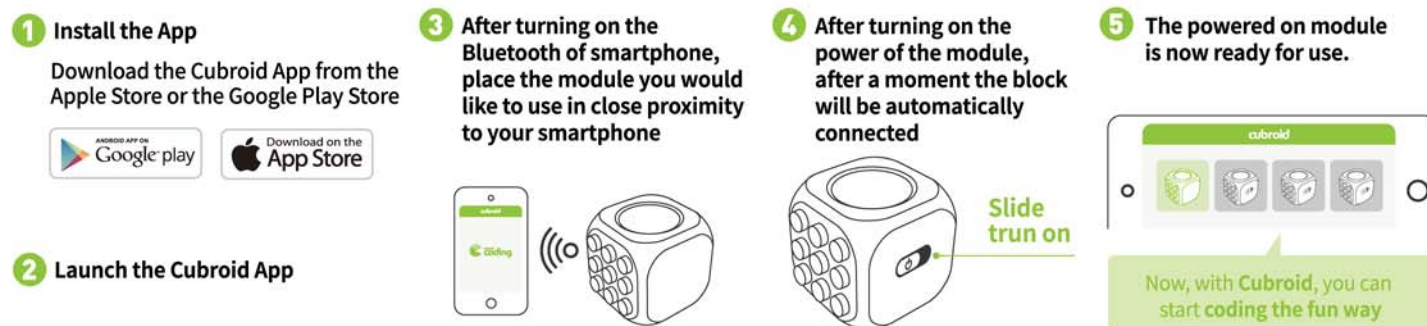


Code and express various dotted imagery

• With 64 LED dots in total you can showcase many different illustrations

How to Connect

Smart devices



Connecting to Scratch program

Download and install the Scratch program
scratch.mit.edu



Download and install the driver and the Cubroid interlock program
www.cubroid.com



Begin using the Scratch program
If you go to www.cubroid.com there is more information on learning to code with Scratch



Block Functionality

4 Sound Block



• Block that can emit various sounds



• Using the commands, code and play various song

5 Proximity Sensor Block

Object detection within a 4-5cm range



• A block that detects the proximity of approaching objects

The range of detection may be altered by the color of the object.



• The actuator block operates based on the proximity (nearness) of detected objects.

6 Light and Touch Sensor Block

Light detection sensor and a touch button



• A block that detect the level of light it is exposed to
• A block that detects when the button is pressed



• The actuator block operates based on the intensity of light



• The actuator block operates based on the press of a button

FCC Warning Statement

FCC Part 15.19

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.

FCC Part 15.21

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.