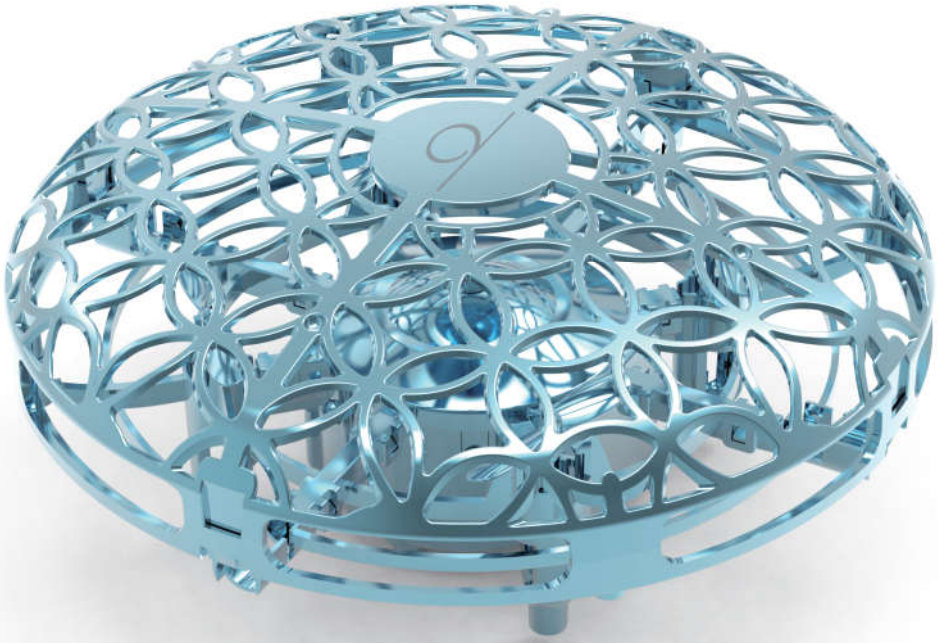
L-RING UFO USER MANUAL

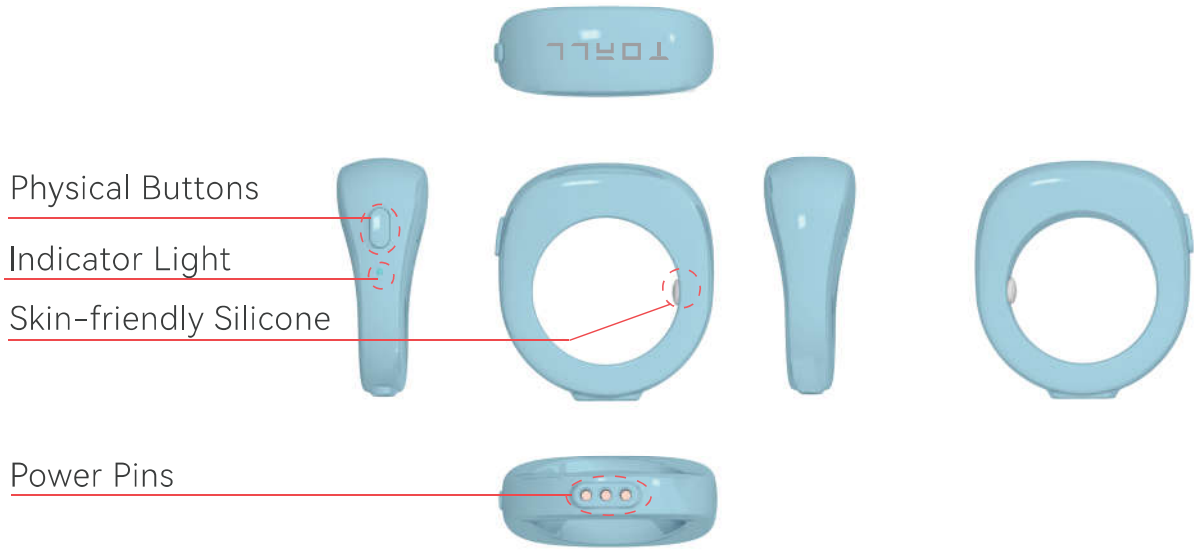


TOALL

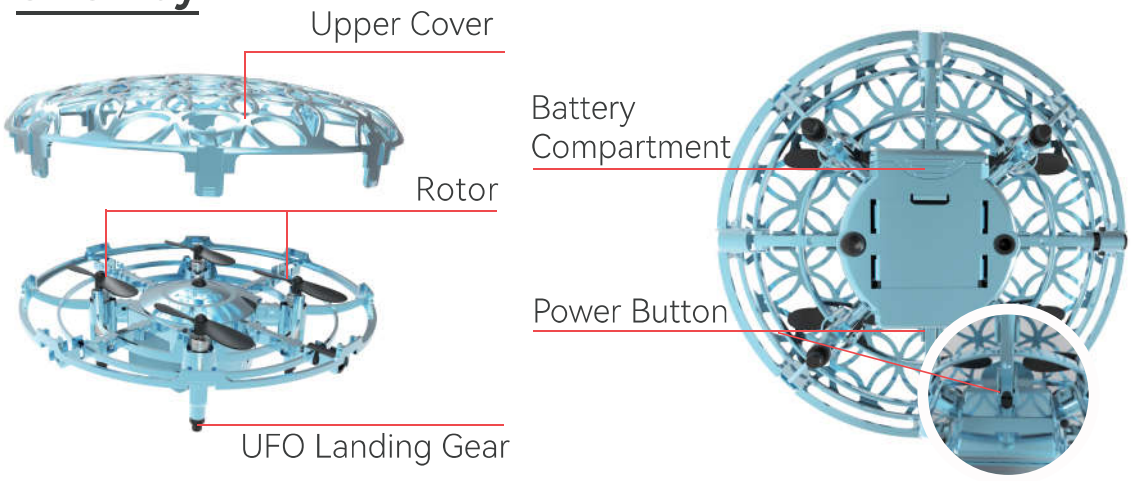
Get to Know Your New "Friend"

Thank you for purchasing this product. To ensure correct usage and your safety, please read this manual carefully before use and keep it properly for future reference. If there is any discrepancy between the pictures in the manual and the actual product, please refer to the actual product.

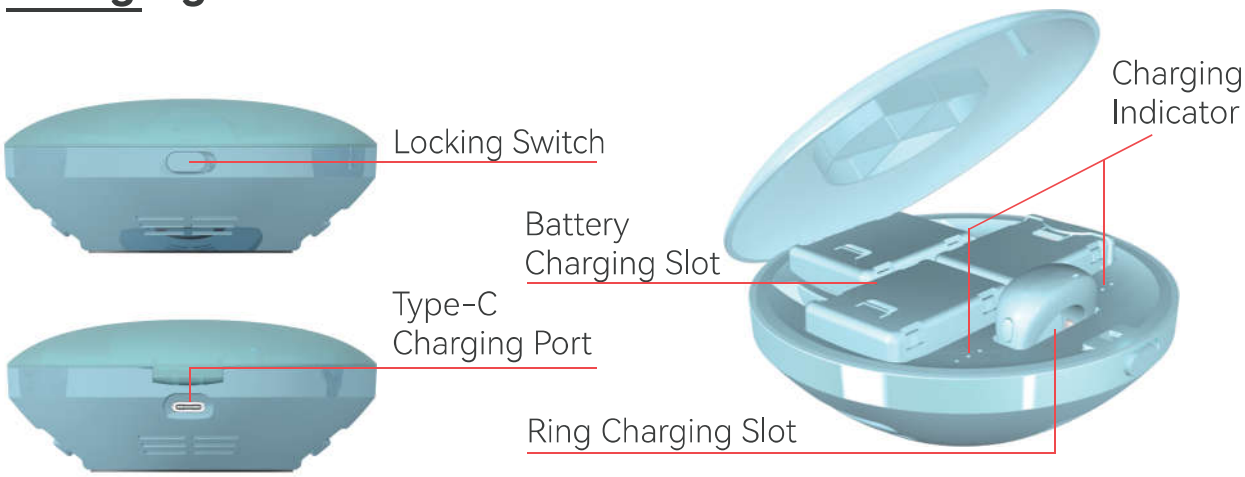
Remote Control Ring for Children



UFO Toy



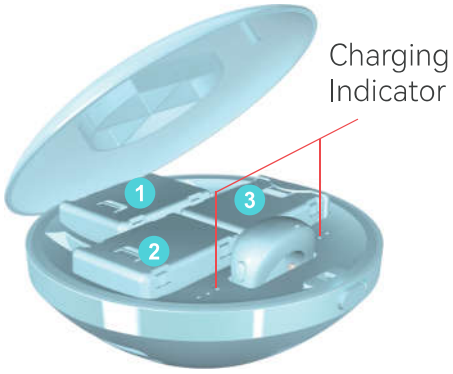
Charging Dock



Supplying Power to Your “Friend” by Charging

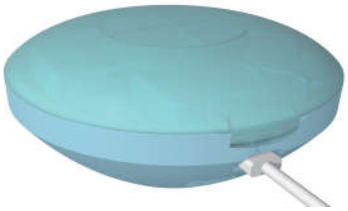
Before utilizing this product, it's essential to ensure that both the L-Ring and the four batteries provided for the UFO are fully charged.

Charging



1. Charging the Batteries and Ring
Insert the ring and UFO batteries into their designated charging slots, ensuring that the power pins make proper contact with the connectors in the charging dock.
The dock can simultaneously charge the ring and three batteries. During charging, the corresponding indicator lights will remain green, turning off when fully charged. Indicator lights 1, 2, 3, O, and 5 respectively denote the charging status of battery slots 1, 2, 3, the ring, and the charging dock. (Battery removal: Press the latch beside the battery compartment on the underside of the UFO while gently pushing the battery out towards the compartment's side.)

2. Charging the Charging Dock
Use the provided charging cable to connect the type-C charging port of the charging dock to the power source.



Note: Do not charge if the batteries are excessively hot. Allow them to cool down before resuming charging. Avoid charging in extreme temperatures and keep away from flammable or explosive materials during the charging process.

UFO Low Voltage Protection Feature

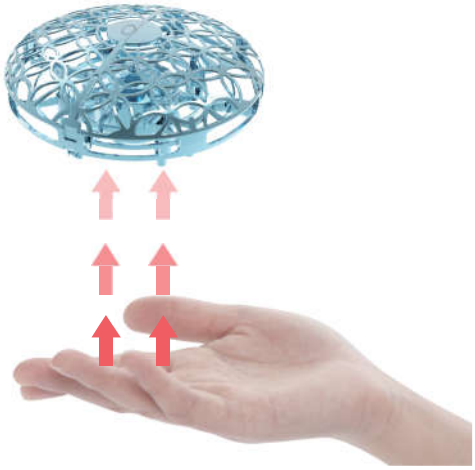
When the UFO's battery level drops to around 5%, it activates low voltage protection mode. The UFO's indicator light will flash slowly in red as it descends gradually to the ground and ceases flight. If the battery level falls below 3.4V, the red light will blink three times before shutting down.
Note: Press and hold the UFO switch for 3 seconds to power it off.
Press and hold the ring switch button for 3 seconds to power off the ring.

Take Your New "Friend" Out for Some Fun

The UFO offers two flight modes:
1. Free flight mode, independent of the magic ring.
2. Gesture-controlled flight mode when connected to the magic ring.
Ensure that both the UFO battery and the children's L-Ring are fully charged before operation.

UFO Free Flight Mode

1. Press and hold the switch button located at the bottom of the UFO until the lights illuminate, indicating that the UFO is powering on. Then, place the UFO on a flat surface, such as the ground, a table, or the palm of your hand, and wait until the colorful light begins to flash slowly.



2. Throw the UFO upwards, and it will initiate takeoff instantly. Once thrown, it will autonomously hover within a 3-meter altitude and return to a reachable distance within 3-5 seconds.

3. The UFO is equipped with infrared obstacle avoidance sensors surrounding its perimeter and underneath. It will autonomously change direction when it detects a hand or encounters an obstacle.

4. Powering off: The UFO can be manually switched off, or it will automatically land and power down when the battery is depleted.

L-Ring Gestures for Flight Control Modes

Before proceeding with the following operations, ensure that both the ring and UFO batteries are fully charged.

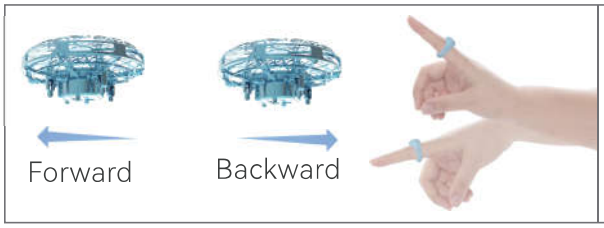
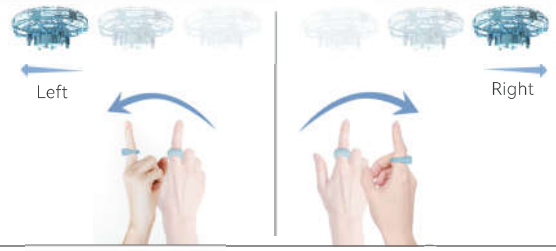
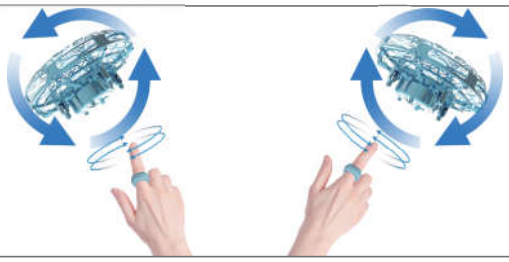
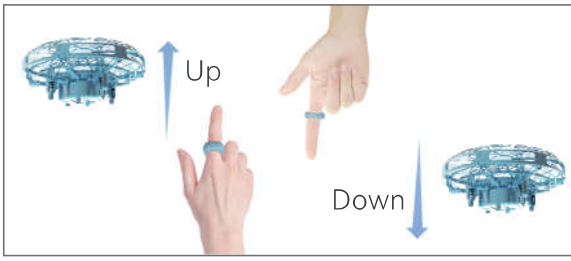
Calibration and Connection:

1. Power On: Press and hold the switch button located at the bottom of the UFO until the light illuminates, indicating the UFO is powering on. (At this point, the light will flash quickly.)
2. Calibration: Gently shake the UFO (hold one side of the UFO and shake it up and down) to calibrate the gyro direction. After calibration, immediately place the UFO switch facing forward on a level surface or table. (At this point, the UFO lights will flash quickly and then slow down.)
3. Connection: Upon removing the ring from thedock, it will power on automatically and begin searching for nearby UFOs that are powered on but not yet connected. The ring's blue light will flash during the connection process, remaining steady once the connection is successfully established. (If the connection times out and the light turns off, return the ring to the dock and reconnect.)

Operation:

1. Wear the ring successfully connected to the UFO, ensuring your fingers align with the direction of the UFO switch. (This step is crucial for accurate gesture-based control of the UFO's flight direction.)
2. Press the ring button once to launch the UFO. It will respond to different gestures with corresponding flight maneuvers. Press the button again to exit control mode.

Below are schematic diagrams illustrating how the ring controls the UFO's flight through gestures:

	Tilting fingers upwards prompts the UFO to move forward. Tilting fingers downwards prompts the UFO to move backward. Within a range of 15° to 90°, the greater the tilt angle, the faster the flight speed.
	Rotating the wrist clockwise with the right hand directs the UFO to fly to the right; Rotating the wrist counterclockwise with the right hand directs the UFO to fly to the left. Within a range of 15° to 180°, the greater the rotation angle, the faster the flight speed.
	Drawing circles clockwise with fingers causes the UFO to roll to the right. Drawing circles counterclockwise with fingers causes the UFO to roll to the left.
	"Pointing fingers vertically upwards commands the UFO to ascend. Pointing fingers vertically downwards commands the UFO to descend."

Indicator Light Guide for L-Ring UFO

Lighting Effects Chart for L-Ring UFO				
Light Effect Definition Status		Light Indicators	Gesture Actions Indicators:	Remarks
Ring Operating Lighting Effects	Searching for Bluetooth Signal	Slow flashing blue light	After being removed from the dock	Long press the button for 3 seconds to power on when the ring is off
	Bluetooth Connected	Steady blue light	Waiting for connection - Connection established	If not connected to the UFO for over 5 minutes, long press for 3 seconds to power off and restart
	Ring Control in Progress	Frequent flashing blue light	Single press of the button	One-button takeoff, one-button landing
	Ring Control Paused	Steady blue light	Press the button again	Slow flashing blue light when Bluetooth is disconnected
	Low Battery Warning	Blinking red light	/	Automatic landing
UFO	Power On, Bluetooth Not Connected	Blinking multicolor light	Long press the power button for 3 seconds	1."Fast flashing multicolor light when not placed horizontally 2.Slow flashing multicolor light when placed horizontally"
	Bluetooth Connected or Throw to Launch	Steady multicolor light	Throw to launch /flight control	Fast flashing multicolor light when performing a rolling action after being thrown
	Low Battery Warning	Slow flashing multicolor light	UFO descent	Light off when the battery is completely drained
Charging Dock Indicator Light	Indicator Lights 1, 2, 3 (Battery)	Steady green light	Battery charging	/
		Off	Not charging or battery fully charged	/
	Indicator Light 0 (Ring)	Steady green light	Ring charging	/
		Off	Not charging or battery fully charged	/
	Indicator Light 5 (Charging Dock)	Steady green light	Charging	/
		Off	Charging dock fully charged	/
		Blinking red light	Charging dock battery low	When the charging dock is completely depleted, the light will turn off.

Product Specifications

	TOALL L-Ring UFO	Suitable Age	6 years old and above
Product Model	L-Ring UFO	Connection Method	BLE5.1+2.4GHz
UFO Dimensions	UFO 111.5mm*46.5mm, Packaging: 420mm*240mm*64mm	Operation Mode	Gyroscope and sensor
Ring Dimensions	Inner Diameter 18.5mm	Control Distance	10m
Colors Available	Available in four colors: Sky Blue / Lotus Pink / Interstellar Blue / Space Silver	Main Materials	PP PC+ABS
Battery Type	400mAh Lithium-ion battery	Charging Power	Ring 5V 20mA/h
Charging Time	40 minutes for UFO battery	Supports Type-C and blade card interface	Charging dock: 1 hour
Flight Time	Approximately 50 minutes (including four high-power batteries)	Single Battery Continuous Flight Time: 6.5 minutes	
Charging Mode	Ring Power PIN	Supports Type-C and blade card interface	Charging dock interface: Type-C
Included Components: UFO, Magic Ring, Charging Dock, Four Batteries, Charging Cable, Silicone Finger Sleeves, QR Code for Electronic Instructions + Warranty Card			

Maintenance and Repair

1. Regularly clean this product with a soft, dry cloth.
2. Avoid submerging these toys in water, as it may damage the electronic components.
3. Routinely inspect the ring, UFO, and accessories for any signs of damage. Promptly address any issues found.
4. If the UFO will not be used for an extended period, remove the batteries to prevent battery leakage, which could harm the product.
5. Keep this product away from direct sunlight and heat sources to prevent damage."

Warranty Statement

TOALL Space Ring products strictly adhere to the Consumer Rights Protection Law and Product Quality Law of the People's Republic of China.
The People's Republic of China implements a three-guarantee after-sales service under the Product Quality Law of the People's Republic of China, with the following service contents:
1. Within 7 days of receipt, if the product experiences any performance failures listed in the "Product Performance Failure Table" and confirmed by TOALL's After-sales Service Center, you are eligible for free returns or exchanges.
2. Within 12 months of receipt, if the product experiences any performance failures listed in the "Product Performance Failure Table" and confirmed by TOALL's After-sales Service Center, the ring and charging dock are covered by a one-year warranty, while other parts are not included in the warranty.

Non-Warranty Provisions

1. Unauthorized disassembly, repairs, misuse, collisions, negligence, abuse, liquid ingress, accidents, modifications, improper use of non-product accessories, or intentional damage such as tearing or tampering with labels, anti-counterfeiting marks, etc., are not covered by the warranty.
2. The warranty period has expired.
3. Damage caused by force majeure.
4. Failures not listed in the "Product Performance Failure Table."
5. Performance failures of the product and its accessories listed in the "Product Performance Failure Table" are caused by human factors.

Product Performance Failure Table

Product Name	Performance Failure
L-Ring UFO	1. Indicator light not functioning (except for battery depletion). 2. Inability to charge. 3. UFO unable to fly. 4. L-Ring and UFO unable to connect via Bluetooth. 5. Malfunctioning ring buttons. 6. Ring unable to respond properly to gestures.

Precautions

1. Avoid dropping the UFO from a height or severe collisions, as this may damage the UFO or reduce its lifespan.
2. When the ring or UFO has low battery, the remote control distance may be affected. Low UFO battery may result in insufficient altitude or difficulty taking off.
3. Maintain an appropriate distance between the UFO and the user or others during flight to prevent collisions with heads, faces, or bodies during landing.
4. Children operating the UFO should be supervised by an adult to ensure that the UFO remains within the operator's (or supervisor's) line of sight for easy control.
5. Only use original batteries.
6. When not in use, turn off both the ring and UFO power and remove the UFO batteries.
7. Do not attempt to disassemble or replace components inside the ring except for operations explicitly specified in the User Manual."

Safety Warning

1. When using the UFO outdoors, avoid areas near rivers, roads, or buildings, and ensure you have ample space to move safely. Do not operate the UFO in adverse weather conditions such as rain, snow, lightning, or strong winds to prevent injury or damage to the product.
2. Avoid exposing the product (including its accessories) to liquids or metal objects. In case any liquid accidentally enters the charging dock, immediately disconnect it from the power source. Continued usage may pose risks of fire or electric shock.
3. Keep the product away from heat sources and direct exposure to open flames.
· Caution: This product contains small parts that may pose a choking hazard if swallowed, especially by children.
4. Avoid placing heavy objects directly on the UFO.
5. Keep hands, hair, and loose clothing away from moving parts to prevent injury.
6. Do not attempt to modify the product.
7. Children should use this product under adult supervision."

Hazardous Substances in Product Components

Component Name	Hazardous Substance					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium-6 (Cd（VI）)	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Ring	×	O	O	O	O	O
UFO	×	O	O	O	O	O
Charging Dock	×	O	O	O	O	O
Charging Cable	×	O	O	O	O	O
Battery	×	O	O	O	O	O
Silicone Finger Sleeves	O	O	O	O	O	O

Note: This table is prepared in accordance with the provisions of SJ/T11364.

O Indicates that the content of the hazardous substance in all homogeneous materials of the component is below the limit requirements specified in GB/T26572.

X : Indicates that the content of the hazardous substance exceeds the limit requirements specified in GB/T26572 in at least one homogeneous material of the component.

10 The number within the label represents the environmentally friendly service life of the product (excluding batteries) under normal use conditions, which is 10 years.

5 For batteries, the environmentally friendly service life under normal use conditions is 5 years.

The environmental usage period label on each component takes precedence over any conflicting or different labels on the product. This period refers to the safe duration during which toxic or hazardous substances will not leak under the conditions specified in the product manual.

Manufacturer: Shenzhen TOALL Technology Co., Ltd
Official Website: www.toall.com.cn
Customer Service Hotline: 400-139-9360
Address: Block B, Building 1, Software Industry Base, Yuehai Street, Nanshan District, Shenzhen

Stay updated by following our official account for more information.

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.