# Robotic Jellufish Nightlight food to know!

If you are missing any parts, please contact Thames & Kosmos technical support.



#### KIT CONTENTS



#### (i) YOU WILL ALSO NEED:

Small Phillips-head screwdriver with a long shank (at least a couple inches), USB power adapter

### Dear parents and adults.

Please support and accompany your child when assembling the Robotic Jellyfish Nightlight. Read the instructions together and follow them. Assembling the Robotic Jellyfish Nightlight is an exciting project and can take one to two hours. Please ensure that all parts of the kit are kept away from small children. Have fun assembling and experimenting with your Robotic Jellyfish Nightlight Kit!

#### SAFFTY INFORMATION

WARNING: Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled. Strangulation hazard — long cord may become wrapped around the neck.

WARNING: This toy is only intended for use by children over the age of 8 years and above due to accessible electronic components. Instructions for parents or caregivers are included and shall be followed.

Keep packaging and instructions as they contain important information.

- > WARNING: To reduce risk of fire or electric shock, do not expose this product to rain or moisture. Do not use near water.
- Unplug this device when unused for long periods of time.
- > Do not stare directly into the LED.
- > Inspect the product before use. If damage is suspected, discontinue use immediately.
- > The toy is not intended for children under 3 years old.
- > The toy must only be used with the recommended transformer (USB power adapter, DC 5V).
- > The transformer is not a toy.

- > The transformer or power supply used with the toy shall be regularly examined for damage to the supply cord, plug, enclosure or other parts, and in the event of damage, it shall not be
- > The toy is not to be connected to more than the recommended number of power supplies. This means only use the included USB-C cable.

used until the damage has been repaired.

- > The wires are not to be inserted into socket outlets.
- > This toy is only to be connected to equipment bearing either of the following symbols:







## Checklist:

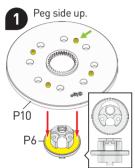
J No.	Description	Quantity	Part No.
O P1	Jellyfish dome	1	729852
O P2	Locking key	1	729853
O P3	Top cover	1	729854
O P4	Ring frame	1	729855
O P5	Gear switch	1	729856
O P6	Housing bottom	1	729857
O P7	Base bottom cove	er 1	729858
O P8	Housing top	1	729859
O P9	LED cap	1	729860
O P10	Planet gear carri	er 1	729861
O P11	Planetary drive g	ear 1	729862
O P12	Sun gear	1	729864
O P13	Planet gear	8	729865
O P14	Ring gear	1	729866
O P15	Gear with hex hol	e 1	729867
O P16	Cam gear	1	729868
O P17	Gear, 18T	1	729869
O P18	Double gear	3	729870
O P19	Gear, 26T	1	729873
O P20	Drive shaft	1	730249

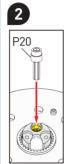
J No.	Description (	Quantity	Part No.
O P21	Jig	1	729874
O P22	Switch	1	729875
O P23	Bottom cover	1	729876
O P24	Base bottom cove	r 1	729878
O P25	Base side cover	1	729879
O P26	Base gear housin	g 1	729880
O P27	Post cover, left	1	729881
O P28	Post cover, right	1	729882
O P29	Post cover, botton	ո 1	729883
O P30	Post cover, top	1	729884
O P31	Tentacle	8	729885
O P32	RGB LED with wir	e 1	729886
O P33	Short spring	1	729887
O P34	Long spring	2	729889
O P35	Shaft, hexagonal	1	729890
O P36	Motor with worm o	jear 1	729891
O P37	Circuit board	1	729892
O P38	Shaft, round	5	729894
O P39	Screw	10	729895
O P40	USB-C cable	1	729896

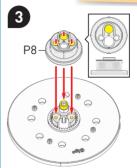
#### **ASSEMBLING THE JELLYFISH NIGHTLIGHT**

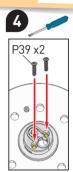
Scan the QR for an assembly video.

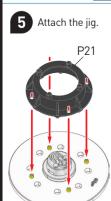


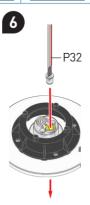


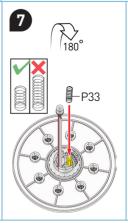


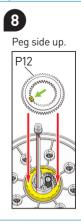


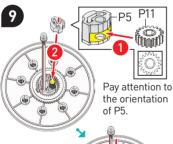




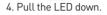






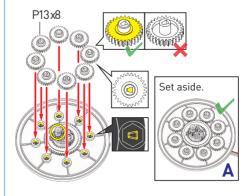


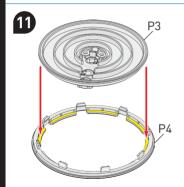


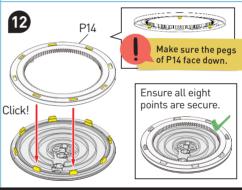


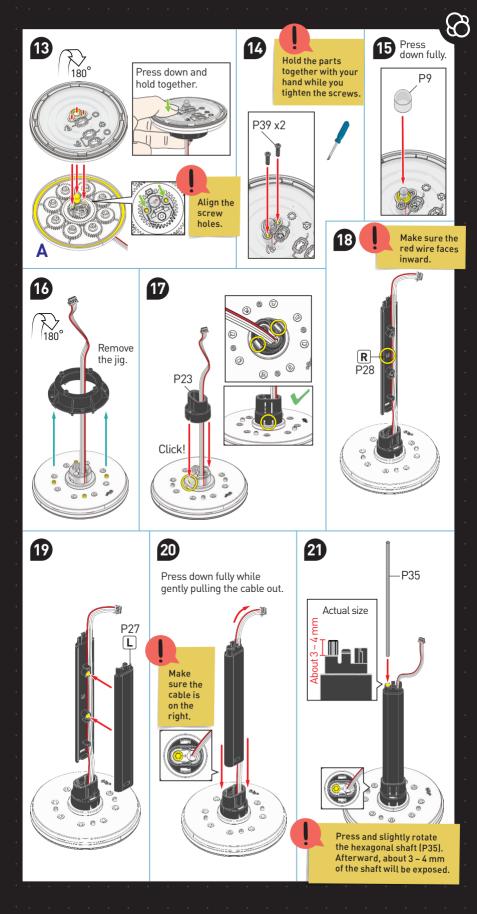
Align the gear's trapezoidal hole with the black trapezoidal hole below.

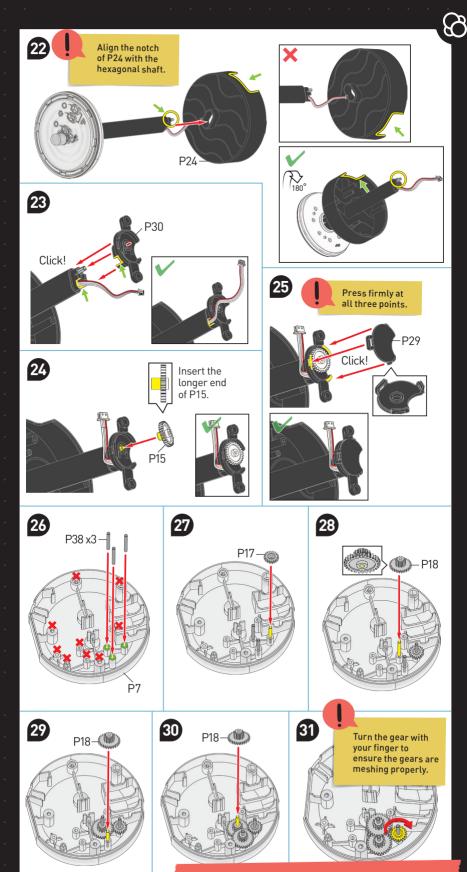
Press down fully.





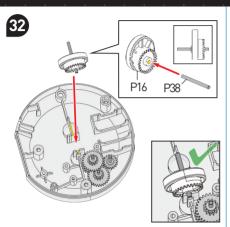


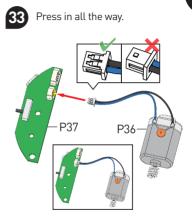


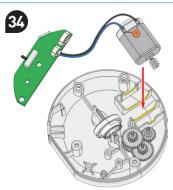


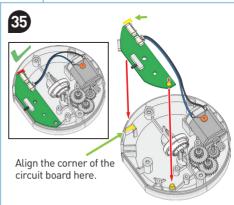
**ASSEMBLY CONTINUES ON REVERSE SIDE** 

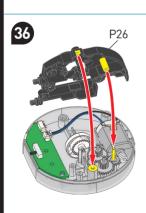


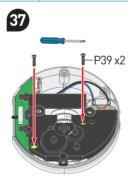


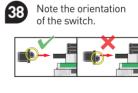


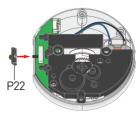


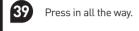


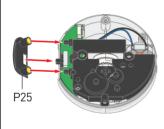


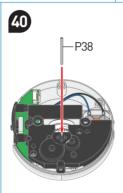


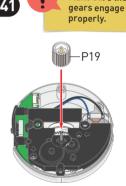








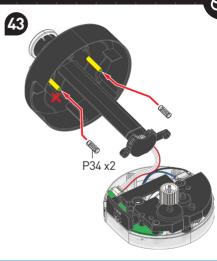


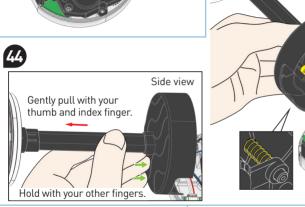


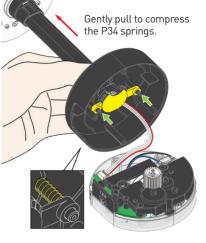
Make sure the

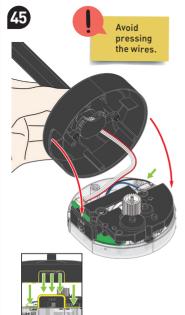


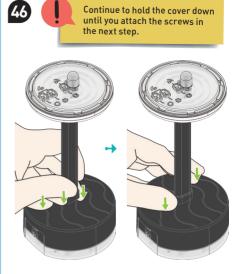










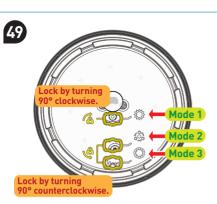


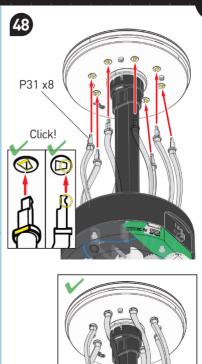


tighten the screws







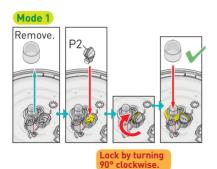


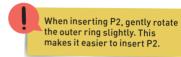
The jellyfish has a planetary gear train in its head. One of three elements can be fixed into place with P2: the sun gear, the planet gear carrier, or the ring gear. This affects the movement of the robot, detailed in the table below.

Choose one of the three modes, and use P2 to lock one of the elements. Note: Rotate P2 90° clockwise to lock mode 1 and 90° counterclockwise to lock modes 2 & 3.

	Which gear is fixed?	Jellyfish head rotation	Tentacle rotation	Tentacle spin
Mode 1	Sun gear	C	C	C
Mode 2	Planet gear carrier	0	Ø	0
Mode 3	Ring gear	Ø	C	<b>つ</b>

Note: When switching modes, the power must be turned off.







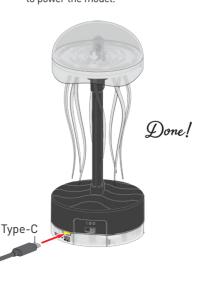


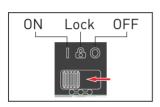
Lock by turning 90° counterclockwise.





Insert the Type-C end into the base and insert the USB end into a wall brick or USB port (not included). Switch to "on" to power the model.





**USB** 

PAN

- >> When the robot is set to "on", the LED cycles between different colors. Switch it to "lock" to fix the current color and stop the gears from turning.
- >> When you are going to sleep or when you will be away from the toy, switch it to "lock" or "off" to ensure optimal performance.
- >> When the robot is "on", it will automatically shut off after 15 minutes. To restart motion, turn to "off", then back to "on".

## NOTES ON DISPOSAL OF ELECTRICAL AND ELECTRONIC COMPONENTS:

The electronic components of this product are recyclable. For the sake of the environment, do not throw them into the household trash at the end of their lifespan. They must be delivered to a collection location for electronic waste, as indicated by the following symbol:

Please contact your local authorities for the appropriate disposal location.



TIPS



Scan the QR code for a video showing tips for using the robot.

You built a planetary gear system! This is a gear train in which one gear revolves around the other much like how the planets revolve around (or orbit) the Sun. In your jellyfish model, you are able to fix — or lock one component at a time: the sun gear, the planet gears, or the ring gear. Planetary gears are used in many mechanical applications, like cars and wind turbines.

RING GEAR Illustration of a planetary gear

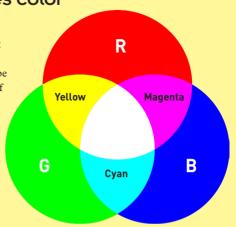
SUN GEAR

**PLANET** 

GEAR

How the light changes color

RGB LEDs actually contain three LEDs: red, green, and blue. By sending different amounts of electricity to each LED, the brightness of each LED can be controlled. The different brightnesses of red, green, and blue light combine to create different hues. This is called additive color mixing. Red and blue together make magenta; green and blue together make cyan; red and green make vellow; and red, green, and blue together make white.



FCC Part 15 Statement

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.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the

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 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,

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Technical product development: Dominik Ulrich, Genius Toys Taiwan Co., Ltd. Manual design concept: Atelier Bea Klenk, Berlin.

Packaging design concept: Peter Schmidt Group, Hamburg

Packaging layout: Dan Freitas Illustration and images: Genius Toys Taiwan Co., Ltd. Manual text and layout: Hannah Mintz and Ted McGuire

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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

- Reorient or relocate the receiving antenna.
   Increase the separation between the equipment
- 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.

ICES Statement CAN ICES-3 (B)/NMB-3(B) This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard[s]. Operation is subject to the following two conditions: [1] this device may not cause interference, and [2] this device must accept any interference, including interference that may cause undesired operation of the device.

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