



Safety Information

WARNING. Only for use by children aged 8 years and older. Instructions for parents or other supervising adults are included and have to be observed. Keep packaging and instructions as they contain important information.

WARNING. Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled.

Store the experiment material and assembled models out of the reach of small children.

WARNING. Do not aim at eyes or face. Never Launch heavy, sharp-pointed, or sharp-edged objects.

Safety for Experiments with **Batteries**

- >>> The wires are not to be inserted into socket-outlets. Never perform experiments using household current! The high voltage can be extremely dangerous or fatal!
- >>> To operate the models, you will need three AA batteries (1.5volt, type AA/LR6) or three AA rechargeable batteries (1.2-volt, type AA, HR6/KR6), which could not be included in the kit due to their limited shelf life.
- >>> The supply terminals are not to be short-circuited. A short circuit can cause the wires to overheat and the batteries to explode.
- >>> Different types of batteries or new and used batteries are not to
- >>> Do not mix old and new batteries.
- >>> Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- >>> Batteries are to be inserted with the correct polarity. Press them gently into the battery compartment. See page 2.
- >>> Always close battery compartments with the lid.
- >>> Non-rechargeable batteries are not to be recharged. They could explode!
- >>> Rechargeable batteries are only to be charged under adult
- >>> Rechargeable batteries are to be removed from the toy before being charged.
- >>> Exhausted batteries are to be removed from the toy.
- >>> Dispose of used batteries in accordance with environmental provisions, not in the household trash.
- >>> Be sure not to bring batteries into contact with coins, keys, or other metal objects.
- » Avoid deforming the batteries.

As all of the experiments use batteries, have an adult check the experiments or models before use to make sure they are assembled properly. Always operate the motorized models under adult

After you are done experimenting, remove the batteries from the battery compartments. Note the safety information accompanying the individual experiments or models!

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.

Dear Parents.

Before starting the experiments, read through the instruction manual together with your child and discuss the safety information. Check to make sure the models have been assembled correctly, and assist your child with the experiments. We hope you and your child have a lot of fun with the

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 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, maube cause harmful interference to radio communications. However, there is no augrantee 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 form that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Exposure Statement

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

For body worn operation, this device has been tested and meets FCC RF exposure quidelines when used with an accessory that contains no metal and that positions the device a minimum of 5 mm from the bodu. Use of other accessories may not ensure compliance with FCC RF exposure



Kosmos Quality and Safety

More than one hundred years of expertise in publishing science experiment kits stand behind every product that bears the Kosmos name. Kosmos experiment kits are designed by an experienced team of specialists and tested with the utmost care during development and production. With regard to product safety, these experiment kits follow European and US safety standards, as well as our own refined proprietary safety guidelines. By working closely with our manufacturing partners and safety testing labs, we are able to control all stages of production. While the majority of our products are made in Germany, all of our products, regardless of origin, follow the same rigid quality standards.

2nd Edition 2015, 2016 Thames & Kosmos, LLC, Providence, RI, USA Thames & Kosmos® is a registered trademark of Thames & Kosmos, LLC.

This work, including all its parts, is copyright protected. Any use outside the specific limits of the copyright law without the consent of the publisher is prohibited and punishable by law. This applies specifically to reproductions, translations, microfilming, and storage and processing in electronic systems and networks. We do not guarantee that all material in this work is free from copyright or other protection.

Technical product development: Genius Toy Taiwan Co., Ltd., Taichung, Taiwan, R.O.C. Text and Editing: Ted McGuire Additional Graphics and Packaging: Dan Freitas

Manual design concept: Atelier Bea Klenk, Berlin

Manual illustrations: Genius Toy Taiwan Co., Ltd., Taichung, Taiwan, R.O.C., and Thames & Kosmos

© istockphoto.com: microolga, p. 4 bottom left; all animal photos, p. 6 © fotolia.com: nataliafrei, p. 4 bottom right; Maxisport, p. 4 top center

© shutterstock.com: Slavoljub Pantelic, p. 4 top right Courtesy of DARPA, p. 4 top left

All other photos: Genius Toy Taiwan Co., Ltd., Taichung, Taiwan, R.O.C., and Thames & Kosmos

The publisher has made every effort to locate the holders of image rights for all of the photos used. If in any individual cases any holders of image rights have not been acknowledged, they are asked to provide evidence to the publisher of their image rights so that they may be paid an image fee in line with the industry standard.

Distributed in North America by Thames & Kosmos, LLC. Providence, RI 02903

Distributed in United Kingdom by Thames & Kosmos UK, LP. Goudhurst, Kent TN17 2QZ

We reserve the right to make technical changes

Printed in Taiwan / Imprimé en Taiwan

Robotics Smart Machines Manual Cover.indd 2 6/4/16 1:48 PM