Robonex ®

Index

Welcome to the amazing world of the **Robonex®** Series.

Technology is changing the world every day that becomes an essential part of our lives. Science and Technology are fast becoming the most attractive elements for the young generations in touch with and design for future smart toys.
Robonex® that connects to the new generation has been tailor developed to take educational learning products to the next level.
STEAM educational robot is one of the must-know tools for learning basic coding and programming skill. Bringing commands to real life action by block-based programming simply just dragging, dropping and combining command blocks for the robot to follow. Best of all, it is utterly straightforward with no age requirement to start even children who have not yet learnt to read can begin to explore basic programming fun.

An excellent bonding toys for parents and teaching aid for teachers to interact with children in STEAM learning lesson to prepare them for the future.
Robonex® series will continue to diversify and expand to enrich the study of STEAM learning with hands on activities for critical thinking and boost problem solving skills.

HAVE AN AMAZING FUTURISTIC FUN!

INNOBOT is a practical learning kit about new technologies.
It has been created to introduce you to the interesting world of educational robotics and programming. Build your robot in a simple and intuitive way, then stop programming it manually or through the APP.
Through our kit we will bring you the latest technology through our fun robot. We will teach you programming through STEAM activities.
Use creativity and imagination to build your smart robot. Create incredible programs and movements with your robot: forward, reverse and 360° turns. The robot can grab objects and transport them.
You can handle it in gyro mode, dance mode, programming mode and real-time mode.

BECOME AN EXPERT IN PROGRAMMING AND ROBOTICS. THE ADVENTURE BEGINS!
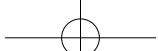
WARNING

Adult supervision and assistance is required.
This unit is only for use by children aged 8 years and older.
Not suitable for children under age 3 years old due to small part(s) and component(s) – CHOKING HAZARD.
Read and follow all instructions in the manual before use.
This toy contains small parts and functional sharp points on components.
Keep away from children under age 3 years.
Please retain the information and this manual for future reference.
Follow the instruction manual to perform the circuit connection.
Instructions for parents are included and have to be observed.
Do not lock the motor or other moving parts. Otherwise it may cause overheating.
The toy is not to be connected to more than the recommended number of power supplies.
Warning. Do not use close to the ear! Misuse may cause damage to hearing.

BATTERY INFORMATION

Use 4 x AA size batteries (not included)
Remove batteries when not in use.
Batteries must be inserted with the correct polarity.
Non-rechargeable batteries are not to be recharged.
Re-chargeable batteries are only to be charged under adult supervision.
Re-chargeable batteries are to be removed from the toy before being charged.
Different types of batteries or new and used batteries are not to be mixed.
Only batteries of the same or equivalent types are to be used.
Exhausted batteries are to be removed from the toy.
The supply terminals are not to be short-circuited.
Do not dispose of the batteries in fire.
Do not mix old and new batteries.
Do not mix alkaline, carbon zinc and re-chargeable batteries.

WARNING

How to dispose batteries:
The crossed out bin symbol indicates that batteries, rechargeable batteries, button batteries, battery packs, etc. They should not be disposed of with household waste. Batteries are harmful to health and the environment. Protect the environment against health risks. At the end of the toy's life, use a homemade tool to disassemble the product and remove the integrated battery, or open the battery compartment to remove them. Dispose of batteries according to local regulations on their selective disposal or recycling.

Dispose of electrical and electronic devices subject to selective collection:
Waste Electrical and Electronic Equipment (WEEE) Directive When this device is out of use, remove the batteries and store them separately. Take electrical components to local waste collection points for electrical and electronic equipment. The other components can be disposed of together with household waste.
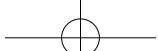
There are two options to play with INNOBOT:
MANUAL or APP programming.

MANUAL PROGRAMMING

The MANUAL PROGRAMMING uses the unit control at the robot's back.
It is not required the use of Smartphone or Tablet.

1. Switch to **M** for Manual mode. Switch to **B** for Bluetooth for connection.
2. When user switch to **M** (Manual mode), press **P** (Programming) to activate input mode, insert commands by pressing arrow signs, emotions and arms button then press **ENTER** button, the Robot will start to move. After press ENTER again the Robot will begin from the command **1**.
3. Press the arrow **3** to move forward.
4. Press the arrow **4** to move backward.
5. Press the arrow **5** to move right.
6. Press the arrow **6** to move left.
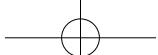
7. Once press **ENTER** button, the Robot will start to perform the saved command sequence.
8. Press the **DANCE** button and the robot performs a dance. There are only one music (Rock) will play after press DANCING button.
9. Pressing any button while the dance is not completed will be considered invalid input.
10. Press the **ARMS** button for controlling the arms open/close. Robot arms will open at the beginning.
    Press the **EMOTION** button and the robot changes its facial expression while it is in manual programming mode. When hitting **EMOTION** button, Robot with facial expression by matching 6 different sound effect.

APP PROGRAMMING

The APP PROGRAMMING uses the BLUETOOTH connection of your Smartphone or Tablet. Please download the APP and pair your device with the robot using the BLUETOOTH connection. Please remember change the switch button of your robot to **B** position.

Please download the APP from the Apple Store or Google Play. The APP is called **'INNOBOT MASTER KIT'** or download it using the following QR codes:


ANDROID
(Google Play)

iOS
(Apple Store)
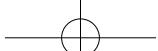
MAIN MENU
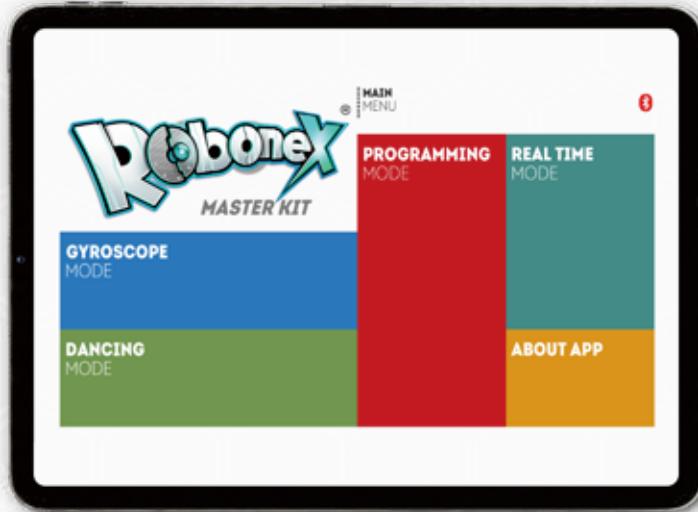
BLUETOOTH CONNECTION
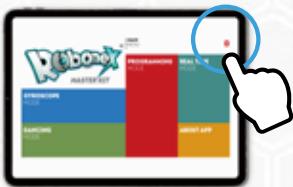
Press the Bluetooth icon to synchronize and pair the robot and the Smartphone or Tablet.
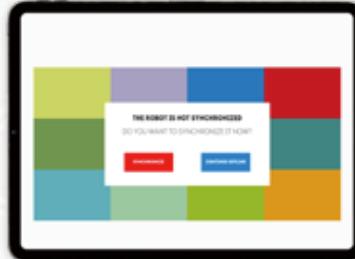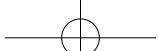
RT MODE - REAL TIME MODE
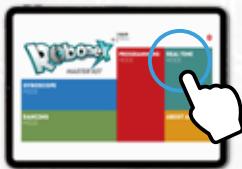
Use the buttons to move the robot (forward, backward, right and left)

Use the FACE panel to change the expressions of the robot.

Use The SOUND panel to send the sounds to the robot.

Use the ARM panel to open and close arms.

Press this button to come back to the previous page.

Press the CAMERA icon to launch the camera of your device and you can take pictures or videos that you can share with your friends.
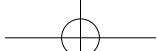
GYROSCOPE MODE
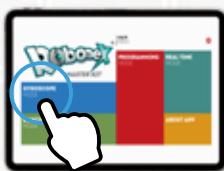
Use the gyroscope from your device to move the robot (forward, backward, right and left)
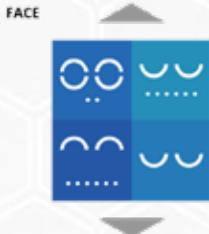
Use the FACE panel to change the expressions of the robot.

Use The SOUND panel to send the sounds to the robot.

Use the ARM panel to open and close arms.
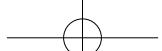
PROGRAMMING MODE
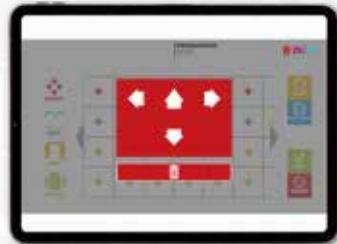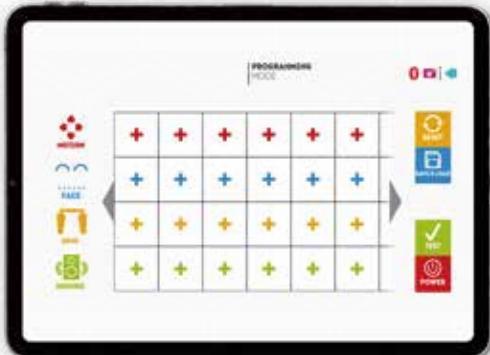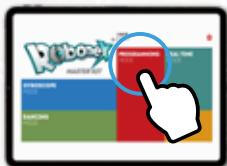
Press the red cross to activate the movement panel.
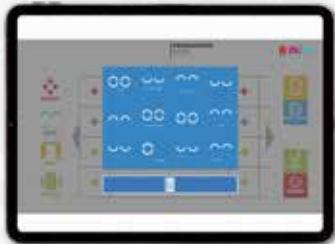
Press the blue cross to activate the face expressions.

Press the yellow cross to activate the arm movement.

Press the green cross to activate the sound panel.
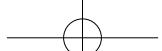
PROGRAMMING MODE

Program a sequence of orders to send to the robot.

This button resets all the commands introduce in the program.

This button saves and load one program saved previously.

This button tests the robot's actions using a 3D simulator. The left column shows the command line in progress. You can stop the simulation using the STOP button.

This button sends the signal to the robot to performing the programmed sequence. During the robot's performance the columns will be lighten in green colour.
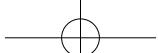
DANCING MODE
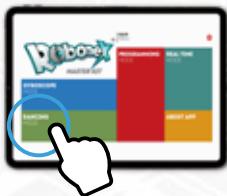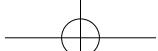
Compatibility requirements
BLUETOOTH®. BLUETOOTH® technology, brand and logo are registered property of Bluetooth SIG Inc. The kit has a BLUETOOTH® low energy module, (BLE 4.1 = Bluetooth® Low Energy) compatible with only some devices. The Tablet or Smartphone must have the BLE module.

Minimum requirements of the device to install the APP
Apple®: The device must be equipped with IOS 13 (or later versions).
Android ™, the device must be provided with BLE and Android ™ 5 software (8 (or later versions).
Not compatible with WINDOWS® operating systems

Declaration of Conformity (EU)
Hereby, Amazing Toys LTD declares that this product meets the essential requirements and other relevant provisions, as established by Directive 2014/53/EU. The declaration of conformity can be consulted on the web: https://www.amazing-toys.com.hk

Warning: Changes or modifications to this unit 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, pursurant to Part 15 of the FCC Rules. These limits are designed to provide
reasonable protection against harmful interference in a residentail installation. This equipment generates, uses and can radiate radio frequency enerygy 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 receiption, 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 reciving 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.

If at any time in the future you should need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

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WARNING