

Warranty Card

Customer Information:
Product Version: _____ Product No: _____ Purchase Date: _____
Name: _____ Tel: _____

Date of Maintenance	Problem & Solution	Date of Completion	Customer Signature

Maintenance Record

After the purchase, please read this Warranty Card carefully and comply with the following clauses:

- This warranty card is valid for 1 year.
- This warranty card should be provided with your request of repair or maintenance.
- Please make sure the information is authentic on the card when you request repair or maintenance.
- If there are any problems with the product, please contact the nearest UBTECH office or authorized dealer for repair or maintenance.
- Warranty provisions are in addition to rights provided under local consumer laws and vary among countries.

Product Service out of following reasons is beyond the scope of Warranty Policy:

- Product is used for purposes other than those specified in the user manual of product.
- Intentional or accidental damage.
- Damage resulted from unauthorized maintenance, conversion or misuse of product.
- Abuse, violation or tampering of the product shell.

After Warranty Period, UBTECH offers paid maintenance services.

Official Customer Service Hotline: 800-276-6137
Official Customer Service Email: sales@ubtechrobotics.com

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Module connection

Gray Sensor

The intelligent gray sensor can detect the saturation of light, convert it to electrical signal, and reserve the corresponding digital value. The sensor supports fast recording and non-volatile memory functions.

- Double click to record, and then three lights flash, entering recording mode.
- Click to record, determining to enter the record mode.
- Place the sensor in the color to be recorded, and click to record, one light flashes, indicating that the recording process is completed.
- Place the sensor in another color, click to record, one light flashes, indicating that the recording is completed.
- Five lights will turn on that indicates the recording is completed.

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7 PIN Port

Use the 7 PIN cable to connect the main control box to the uKit Robot. uKit Robot can only be connected to the X3 port.

Installation Method

Can be connected to any controller (except port ID) and servo.

ONE WAY: Connect to one of pins from 1 to 5 of the expansion board.

ANOTHER WAY: Connect to any servo port.

Warning: Do not connect the 7-pin cable to the port of the main control box.

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Connector Installation and Removal Tips

Connector Installation Tips

- Place the direction control properly and align the part with it.
- Insert the 7 pins of the piece apart.
- Adjust the other side until you feel the sound again, then the installation is complete.

Connector Removal Tips

- Push the connector on the side of the direction control and stop when the piece is loose.
- Then gently pull the left part.
- Repeat steps ① and ② until the piece is removed.

Servo Removal

- Hold the servo using your left hand as shown in the illustration.
- Use a screwdriver to pry the servo out.
- Using your right hand, firmly press the left thumb and the servo is loose.

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DECLARATION OF CONFORMITY

Product Name: uKit Robot
Product Model: ERE Series
Product Description: Input: 5V DC 1A
Bluetooth Frequency range: 2400MHz-2480MHz
Maximum Output Power: 5.78dBm

UBTECH ROBOTICS CORP LTD declares that uKit Robot is in compliance with Directive 2014/53/EU, 2014/53/EU, 2014/53/EU, 2011/65/EU, Directive (EU) 2015/863, Directive EC/1907/2006.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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, 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, 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 from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

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IMPORTANT:

Please read all instructions before operating your product. To be used under the direct supervision of an adult.

WARNING!

- The packaging must be retained since it contains important information.
- The battery charger used with the product is to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.
- The product is not to be connected to more than one power supply.
- The product must be used with the recommended battery (Li-ion type rechargeable battery, rated DC 7.4V).
- The battery is to be mounted with the correct polarity.
- The supply terminals, battery terminals and connectors are not to be short-circuited.
- Never connect more than 16 servo motors in total at the same time. Do not operate the product during charging.
- Choking hazard - small parts inside. The product is not intended for children under 3 years old.
- The product must only be used with the recommended transformer (rated output DC 5.4V/2A-2A). The transformer is not a toy.
- The product must be disconnected from the transformer before cleaning.
- Transformers and power supplies for products are not intended to be used as toys, and the use of these products by children shall be under the full supervision of parents.

FC CE RoHS

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www.ubtrobot.com

封面

1. Software Introduction

1. Please download the uCode software.

Download link: <http://www.ubtechrobotics.com/list-76.html>

2. Please download the uKit Explore software.

Download link: <http://www.ubtechrobotics.com/list-76.html>

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2. Product components

1. Introduction of uKit Explore Controller

1-4	uKit interface
5	Digital/ I2C
6	Digital/ I2C
7	Gray/Digital
8	ICSP
9	Analog interface
10	Analog/Serial port
11	Charging port
12	Power supply
13	Self-defined button
14	USB port
15-16	uKit fixing holes
17	Power supply
18	Reset button

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3. Servo

The servo motors are the robot's joints and are used to perform various actions.

Servo ID

Every servo has a unique servo ID number, which is different from other servo ID numbers.

Note: When building an official model, the servo ID number must be consistent with the servo ID number in the control commands. Otherwise, the models will not perform the actions.

Rotatable Direction Control

The directional control of the servo can rotate and be aligned with the slot.

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3 PIN Port

Use the 3 PIN cable to connect the main control box to the servo. Energy and information can be transmitted between the Advanced controller box and the servo.

Connectors, Parts, Fasteners and Wires

The decorative parts are added to the uKit robot to give it more character.

Connectors are used to connect the various parts that connect parts.

Fasteners are used to connect various parts that contain holes in the robot when you build.

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Wires are used to connect parts needing power, such as the power switch, main control box, and servo.

- 2 PIN Cable
- 3 PIN Cable, 100mm length
- 3 PIN Cable, 200mm length
- 3 PIN Cable, 300mm length
- 2 PIN Cable, 100mm length, only used to connect the main control box to the power switch box.

Fastener Removal Tools

The fastener removal tools are used to easily remove fasteners.

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3. Assembly and connection

1. Controller connection

- Connect the computer and the uKit Explore controller board through USB cable.
- Open the uCode software and click the connection button at the top right.
- Click on connect device.

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www.ubtrobot.com

封底

尺寸: 折后140*175mm
材质: 105克双铜
工艺: 四色印刷
公差: +/- 0.5mm
形式: 风琴折

IC Caution:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

IC: 21515-UKITERE
CAN ICES-3(B)/NMB-3(B)

尺寸: 140*175mm

材质: 105克双铜

工艺: 四色印刷

公差: +/- 0.5mm