STEAM EDUCATION TRAINING SYSTEM

Model Number : GOTT-STEAM-01

DESCRIPTION

GOTT- STEAM-01 is a magical tool kit with various components inside for learning, which will lead you to the world of Raspberry Pi quickly. It includes 16 lessons, each containing the circuit connection, principles, Fritzing images and code explanations for you to learn Raspberry Pi from scratch. In addition, detailed introduction of the components is included in the manual and you can try some extension experiments by yourself after studying this kit.

FEATURES

- STEAM Education kit perfect choice for beginners to learn Raspberry Pi, electronics and learning program.
- Provides 16 projects with diverse functions allowing for a dynamic creative experience and comes with software
- GOTT IoT Icloud ready

PRODUCT MODULES

<table>
<thead>
<tr>
<th>PRODUCT MODULES</th>
<th>CODE</th>
<th>LED MODULE</th>
<th>CODE</th>
<th>RGB LED</th>
<th>CODE</th>
<th>PASSIVE BUZZER</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RASPBERRY PI CONTROL WITH EZBLOCK</td>
<td>400-401</td>
<td>4 kind color of LED, 4 pcs LED Yellow, Green, Red and Blue</td>
<td></td>
<td>Full color common anode RGB LED</td>
<td>400-403</td>
<td>A passive buzzer that needs square signals of 2k-5k to drive</td>
<td>400-404</td>
</tr>
<tr>
<td>PUSH BUTTON</td>
<td>400-405</td>
<td>Microphone Sound Module</td>
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<tr>
<td>THERMISTOR</td>
<td>400-406</td>
<td>An NTC thermistor sensor is included, supporting high sensitivity.</td>
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<tr>
<td>PHOTORESISTOR</td>
<td>400-407</td>
<td>A photoresistor module of which the resistance decreases with increasing incident light intensity</td>
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</tbody>
</table>
# STEAM EDUCATION TRAINING SYSTEM

## Model Number: GOTT-STEAM-01

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Capacitor Ceramic</td>
<td>400-409</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Servo Motor</td>
<td>400-410</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC Motor</td>
<td>400-411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPN Transistor</td>
<td>400-412</td>
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</tbody>
</table>

**SERVO MOTOR**
- Servo consists of shell, circuit board, non-core motor, gear and location detection

**DC MOTOR**
- DC Motors are devices that turn DC electrical energy into mechanical energy

**L293D**
- 15 L293D Motor Drive Shield
- To do experiments on the breadboard

**RESISTOR 220 OHM**
- 10 pcs resistor 220 ohm

**RESISTOR 1 K OHM**
- 10 pcs resistor 1K ohm

**RESISTOR 10 K OHM**
- 10 pcs resistor 10K ohm

**RESISTOR 1 M OHM**
- 10 pcs 1M Ohm

**POTENTIOMETER 10 K**
- Potentiometer 10k ohm

**EXPRESSMENT TOPICS:**
- Basic Operation
- Press Me
- Breathing LED
- Rainbow
- Remote Control
- Smart Home
- Conductive Finger
- Lucky Cat
- Wake up
- Quiz Buzzer System
- Music Box
- Dancing LED
- Automatic Fan
- Three, Two, One GO
- DO RE MI
- DIY Voltmeter

**Manuals:**
- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

**General Terms:**
- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specification are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

**Warranty:**
- 2 Years

**ORDERING INFORMATION:**

<table>
<thead>
<tr>
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<th>Model Number</th>
<th>Code</th>
</tr>
</thead>
<tbody>
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<td>STEAM EDUCATION TRAINING SYSTEM</td>
<td>GOTT-STEAM-01</td>
<td>400-400</td>
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</table>

*Proposed design only, subject to changes without any notice.*