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Gravity: Starter Kit for Arduino

SKU:KIT0111

Brand:DFRobot

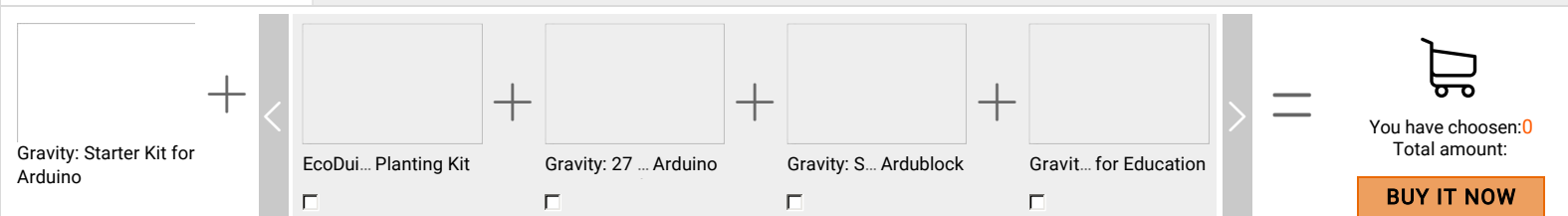
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INTRODUCTION

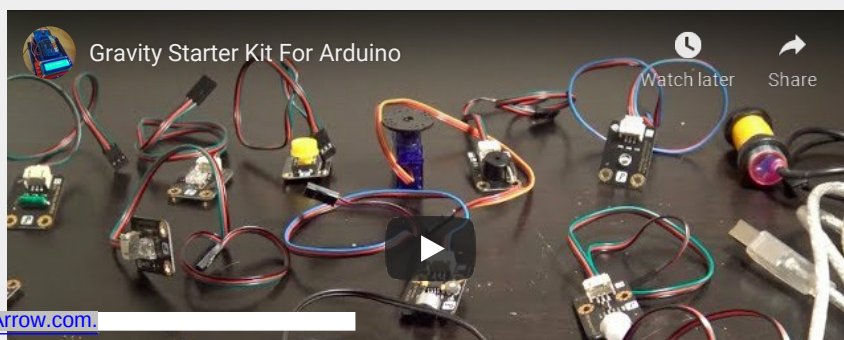
Gravity: Starter kit for Arduino is a plug&play electronics toolkit that provides Arduino beginners and makers with the easiest experience of learning and playing with the Arduino platform.

Gravity Starter Kit includes a DFRduino UNO R3 microcontroller, which functions exactly the same as [Arduino UNO](#), and 12 most popular and interesting electric components and sensors. With the IO expansion shield, sensors can be connected directly onto the board without jumper wires or breadboard. Sensors in the kit belong to DFRobot's Gravity Series. These sensors are built highly modularized and interact with microcontrollers with 3-pin pinhead. Moreover, Different types of sensors can be easily identified by the logo printed on the back of the PCB board. All components included in the kit are fully compatible with [Arduino microcontrollers](#). With Gravity Starter Kit, making your project will just be as simple as building blocks.

Gravity Starter Kit is also provided with tutorial, which aims to help [Arduino](#) learners understand Arduino programming. The tutorial goes through the installation of the software, the Arduino IDE, and its programming language, then teach you how to build electric circuit, how to use different electric components and their signaling. It also includes instruction for building projects from lighting up an LED to eventually use multiple components to make a real project such as “Fire Alarm” or “Weather Station”. The tutorial is full of graph and is written in a simple way that anyone could build their own project using Gravity Starter Kit with no difficulty.

A Sneak Peak at the Tutorial

Gravity Starter Kit For Arduino





Arduino Tutorial Content List:

- [Arduino Project introduction: What is Arduino ?](#)
- [Arduino Projects 1: How Does a Device “Think”?](#)
- [Arduino Projects 2: Analog and Digital Signals](#)
- [Arduino Projects 3: Make an LED Blink](#)
- [Arduino Projects 4: Sensor Light](#)
- [Arduino Projects 5: Mini Lamp](#)
- [Arduino Projects 6: Sound Activated LED](#)
- [Arduino Projects 7: Fading LED](#)
- [Arduino Projects 8: Light Regulator](#)
- [Arduino Projects 9: Open Sesame](#)
- [Arduino Projects 10: Pandora’s Box](#)

SPECIFICATION

- Microcontroller: DFRduino UNO R3
- Power Supply: 6*AA Batteries or 6-12V AC power adapter
- Dimension: 220cm * 165cm * 65 cm
- Weight: 300g

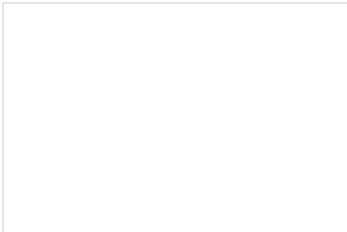
DOCUMENTS

- [Gravity Starter Kit for Arduino Tutorial](#)
- [Example Code \(Github\)](#)

SHIPPING LIST

- [DFR0216 DFRduino UNO R3](#) x1
- [DFR0265 Gravity: IO Expansion Shield for Arduino V7.1](#) x1
- [DFR0031-R Gravity: Digital Piranha LED Module-Red](#) x 1
- [DFR0031-G Gravity: Digital Piranha LED Module - Green](#) x 1
- [DFR0031-Y Gravity: Digital piranha LED module-Yellow](#) x 1
- [DFR0029 Gravity: Digital Push Button \(Yellow\)](#) x 1
- [DFR0026 Gravity: Analog Ambient Light Sensor](#) x 1
- [DFR0034 Gravity: Analog Sound Sensor](#) x 1
- [DFR0054 Gravity: Analog Rotation Sensor V1](#) x1
- [DFR0032 Gravity: Digital Buzzer Module](#) x 1
- [SEN0171 PIR \(Motion\) Sensor](#) x 1
- [DFR0028 Gravity: Digital Tilt Sensor for Arduino V2](#) x 1
- [SEN0019 Adjustable Infrared Distance Sensor](#) x 1
- [SER0039 9g Metal Gear Micro Servo \(1.8Kg\)](#) x 1
- [FIT0141 6xAA Battery Holder with DC2.1 Power Jack](#) x 1
- [FIT0056 USB Cable A-B for Arduino](#) x 1

TUTORIAL



Arduino Projects 1: How Does a...
Arduino

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FAQ

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