



# Gravity: D3 Kit - A Comprehensive Kit for Education

SKU:KIT0013



## INTRODUCTION

We all dream of the perfect creation, of building something unique, of taking an idea and making it into reality.

We are makers. It's what we do.

No one is born as maker. Makers travel the bumpy road between inspiration and execution. That's why we designed this kit.

Dream, Design, Deliver; D3 kit is a comprehensive set for education, for exploring the world of electronics.

Hand-picked from our 800+ choices of sensors, shields, and modules, this kit contains everything you need whether you are new to electronics or an experienced maker teaching kids electronics. This is a great start to plunge into the world of electronics, indulge yourself, make mistakes, and have fun.

All 31 modules in the kit has a dedicated Wiki Page to guide you through basics such as connection and sample codes. With this kit you will be able to start building something unique, for example an automated cat feeding device, smart weather station, etc. You will have a wide range of inputs from included sensors and outputs through actuators.

## FEATURES

- 31 common components, sensors and input/output choices
- Unlimited possibilities

## SPECIFICATION

- DFRduino Mega 2560 (DFR0191) x1
- Mega IO Expansion Shield V2.3 (DFR0165) x1
- IIC LCD1602(Arduino Compatible) (DFR0063) x1
- Relay Module V2 (DFR0017) x1
- LM35 Analog Linear Temperature Sensor (DFR0023) x1
- Analog Ambient Light Sensor (DFR0026) x1
- Digital Vibration Sensor (DFR0027) x1
- Digital Tilt Sensor (DFR0028) x1
- Digital Push Button (DFR0029) x1
- Capacitive Touch Sensor (DFR0030) x1
- Digital piranha LED light module-White(DFR0031-W) x1
- Digital piranha LED light module-RED(DFR0031-R) x1
- Digital piranha LED light module-BLUE(DFR0031-B) x1
- Digital Buzzer Module (DFR0032) x1
- Digital magnetic sensor (DFR0033) x1
- Analog Sound Sensor (DFR0034) x1
- Analog Rotation Sensor V2(DFR0058) x1
- Joystick Module (DFR0061) x1
- Flame sensor (DFR0076) x1
- DIGITAL IR Transmitter Module(Arduino Compatible) (DFR0095) x1
- Light Disc with 7 SMD RGB LED(DFR0106) x1
- IR Kit For Arduino(DFR0107) x1
- DFRduino Ethernet Shield (Support Mega and Micro SD)(DFR0125) x1
- Triple Axis Accelerometer MMA7361 (DFR0143) x1
- URM37 V3.2 Ultrasonic Sensor(SEN0001) x1
- Digital Infrared motion sensor (SEN0018) x1
- Adjustable Infrared Sensor Switch(SEN0019) x1
- Analog Gas Sensor(MQ5)(SEN0130) x1
- 9g micro servo (1.6kg)(SER0006) x1
- Micro DC Geared Motor with Back Shaft(FIT0016) x2
- USB Cable A-B for Arduino(FIT0056) x1
- 2A Motor Shield For Arduino (DRI0009) x1
- Water Sensor (SEN0121) x1
- Soil Moisture Sensor (SEN0114) x1
- LSM303 Breakout Board (SEN0079) x1

## SHIPPING LIST

- D3 Kit - A comprehensive kit for education x1

