OSEPP™

101 Arduino Basics

· Discover Arduino through EASY and FUN lessons Step-by-step instructions with diagrams
· No prior electronics knowledge required
· Kit comes with everything you need to build your own:
    · Volt Meter   · Buzzer Circuit and play melody · LED Game   · INCLUDES the OSEPP UNO R3 PLUS board!

Key Features

Tutorial 1: Loading the First Sketch
Tutorial 2: Controlling Digital Outputs
Tutorial 3: Using Digital Input
Tutorial 4: An LED Game
Tutorial 5: Building Voltage Meter
Tutorial 6: Using Buzzer to Play a Melody
Tutorial 7: Counting Down with a 7 Segment LED
Tutorial 8: Powering the UNO R3 PLUS Using Batteries

Kit Content

OSEPP UNO R3 Plus	1
6 feet USB type A to mini-B	1
Tact push switch 6mm x 6mm – through hole	2
DIP switch 4 position – through hole	1
1Kohm potentiometer (variable resistor) – long pins	1
10Kohm potentiometer (variable resistor) – long pins	1
330 ohm axial resistor, 1/2W, 5%	20
1 kohm axial resistor, 1/2W, 5%	5
10kohm axial resistor, 1/2W, 5%	5
LED through hole – Red, 8.7mm height, ~2V drop, ~10-20mA	2
LED through hole – Yellow, 8.7mm height, ~2V drop, ~10-20mA	2
LED through hole – Green, 8.7mm height, ~2V drop, ~10-20mA	2
LED through hole – White, 8.7mm height, ~2V drop, ~10-20mA	2
LED through hole – Blue, 8.7mm height, ~2V drop, ~10-20mA	2
Two digits 7-segment LED – RED	2
Buzzer, 5Vo-p	1
NPN transistor	2
Breadboard – 30 columns x 14 rows (include 2 VCC and 2 GND)	1
6 inches male-to-male jumper wires (red)	10
6 inches male-to-male jumper wires (black)	10
6 inches male-to-male jumper wires (white)	10
6 inches male-to-male jumper wires (grey)	10
6 inches male-to-male jumper wires (blue)	10
4x AA battery enclosure with DC power jack and ON/OFF switch, cable length 4"	1
2cm x 2cm x 3mm thick double side tape	2
Booklet – Arduino UNO diagram + basic electronic theory	1
Kit container	1

Product Info

Stock Code	ARD-01
Description	101 Arduino Basics Starter Kit (with OSEPP UNO R3 Plus Board)
Package Size	Kit