



## OVERVIEW:

The **Starter Kit** walks you through the basics of using the Arduino in a hands-on way. You'll learn through building several creative projects. The kit includes a selection of the most common and useful electronic components with a book of 15 projects. Starting the basics of electronics, to more complex projects, the kit will help you control the physical world with sensor and actuators.

Projects you can make:

- 01 GET TO KNOW YOUR TOOLS an introduction to the basics
- 02 [SPACESHIP INTERFACE design the control panel for your starship](#)
- 03 LOVE-O-METER measure how hot-blooded you are
- 04 COLOR MIXING LAMP produce any color with a lamp that uses light as an input
- 05 MOOD CUE clue people in to how you're doing
- 06 LIGHT THEREMIN create a musical instrument you play by waving your hands
- 07 KEYBOARD INSTRUMENT play music and make some noise with this keyboard
- 08 DIGITAL HOURGLASS a light-up hourglass that can stop you from working too much
- 09 MOTORIZED PINWHEEL a colored wheel that will make your head spin
- 10 ZOETROPE create a mechanical animation you can play forward or reverse
- 11 CRYSTAL BALL a mystical tour to answer all your tough questions
- 12 KNOCK LOCK tap out the secret code to open the door
- 13 TOUCHY-FEEL LAMP a lamp that responds to your touch
- 14 [TWEAK THE ARDUINO LOGO control your personal computer from your Arduino](#)
- 15 HACKING BUTTONS create a master control for all your devices!

Once you've mastered this knowledge, you'll have a palette of software and circuits that you can use to create something beautiful, and make someone smile with what you invent. Then build it, hack it and share it. You can find the Arduino code for all these projects within the [Arduino IDE](#), click on File / Examples / 10.StarterKit.

## TECHNICAL SPECIFICATION:

### The Starter Kit includes:

1 Projects Book (170 pages), 1 Arduino / Genuino Uno, 1 USB cable, 1 Breadboard 400 points, 70 Solid core jumper wires, 1 Easy-to-assemble wooden base, 1 9v battery snap, 1 Stranded jumper wires (black), 1 Stranded jumper wires (red), 6 Phototransistor, 3 Potentiometer 10kOhms, 10 Pushbuttons, 1 Temperature sensor [TMP36], 1 Tilt sensor, 1 alphanumeric LCD (16x2 characters), 1 LED (bright white), 1 LED (RGB), 8 LEDs (red), 8 LEDs (green), 8 LEDs (yellow), 3 LEDs (blue), 1 Small DC motor 6/9V, 1 Small servo motor, 1 Piezo capsule [PKM17EPP-4001-B0], 1 H-bridge motor driver [L293D], 1 Optocouplers [4N35], 2 Mosfet transistors [IRF520], 5 Capacitors 100uF, 5 Diodes [1N4007], 3 Transparent gels (red, green, blue), 1 Male pins strip (40x1), 20 Resistors 220 Ohms, 5 Resistors 560 Ohms, 5 Resistors 1 kOhms, 5 Resistors 4.7 kOhms, 20 Resistors 10 kOhms, 5 Resistors 1 MOhms, 5 Resistors 10 MOhms

## ORDERING INFORMATION:

PART NUMBER	DESCRIPTION
K020007	ARDUINO STARTER KIT FRENCH
K030007	ARDUINO STARTER KIT SPANISH
K040007	ARDUINO STARTER KIT GERMAN
K110007	ARDUINO STARTER KIT - CHINESE
K120007	ARDUINO STARTER KIT - KOREAN