

Each Arduino Starter Kit contains a full colour 170-page book with instructions for fifteen projects:

01. GET TO KNOW YOUR TOOLS: An introduction to the basics.
02. SPACESHIP INTERFACE: Design a control panel for a starship.
03. LOVE-O-METER: Measure how hot-blooded you are.
04. COLOR MIXING LAMP: Produce any colour with a lamp that uses light as an input.
05. MOOD CUE: Let people know how you're doing.
06. LIGHT THEREMIN: Create a musical instrument you play by waving your hands.
07. KEYBOARD INSTRUMENT: Play music with this keyboard.
08. DIGITAL HOURGLASS: A light-up hourglass that can stop you from working too much.
09. MOTORIZED PINWHEEL: A coloured wheel that will make your head spin.
10. ZOETROPE: Create a mechanical animation you can play--and in reverse.
11. CRYSTAL BALL: A mystical tour to answer all your tough questions.
12. KNOCK LOCK: Unlock a door with a secret knock.
13. TOUCHY-FEELY 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 of your devices!

Kit contents:

1 Projects Book (170 pages), 1 Arduino 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, 5Resistors 1 MOhms,
5 Resistors 10 MOhms