

# Arduino Starter Kit R4 Product Details Page

**Product Name:** Arduino® Starter Kit R4

**SKU:** K000007\_R4

## Short description

Learn electronics and coding from scratch, with the power of the new UNO R4 WiFi. The Arduino Starter Kit R4 is your all-in-one toolkit for discovery, building and certification.

## Overview

The Arduino Starter Kit R4 brings together everything you need to begin your maker journey or upgrade your classroom experience – no prior experience required! At its heart is the **UNO R4 WiFi** board, offering great performance, built-in wireless connectivity, and compatibility with the entire Arduino ecosystem.

Inside the box you'll find the printed book with 13 guided, hands-on projects, plus all the components needed to build your way through them – and many more in our growing online library!

Included is also one voucher for the **Arduino Certification exam**, allowing you to prove your skills to the world.

### Register for full digital resources

Once you register the kit online, you'll unlock:

- **Extra projects** to leverage the Arduino UNO R4's extensive features, with always new ideas and tutorials added by the Arduino team
- Content translated into **Italian, French, Spanish, German** – and more languages to come!

With simple instructions, familiar components, and wireless-ready hardware, the Starter Kit R4 quickly turns ideas into real prototypes, allowing beginners to have a rewarding first experience with making technology their own.

### Key benefits

- **Ready for modern making.** The UNO R4 WiFi board delivers stronger performance and built-in Wi-Fi®/Bluetooth® so you can build modern connected projects from day one.
- **No barriers to coding.** You'll find our GenAI coding assistant right in the online editor, ready to offer suggestions, clarify concepts, and support you as you grow.
- **Learn by building.** Dive into real projects that guide you through sensors, motors, displays and logic – learning by doing, gaining confidence as you go.
- **A growing platform.** Register your kit to unlock more online resources, including translations in different languages and new, original projects that will be published by the Arduino team over time.
- **Designed for classrooms.** Get clear step-by-step guidance to include everyone in their personal STEM journey.
- **From beginner to certified.** Once you've completed the projects in the book, why not get the recognition of an official Arduino Certification? The kit includes a voucher to take the test (one attempt).

### What you can build with it

Use the Starter Kit R4 to explore how everyday objects turn digital: build an interactive lamp that responds to touch, create a musical instrument you play by waving your hand, and more. In a classroom, you might guide students to team-up, iterate, and invent together. Each project teaches core skills that carry forward – so, when you're ready, you can move on to advanced Arduino boards and bigger ideas.

<b>Kit Contents</b>	Arduino UNO R4 WiFi (ABX00087)	1
	USB-C® cable	1
	9V battery snap connector	1
	Breadboard	1
	Easy-to-assemble base	1
	Solid core jumper wires	70
	Stranded jumper wires	2
	Male pin strip (40x1)	1
	Pushbuttons	6
	LCD display (16x2 characters)	1
	Piezo capsule	1
	Bright white LED	1
	RGB LED	1
	Red LEDs	8
	Green LEDs	8
	Yellow LEDs	8
	Blue LEDs	3
	Phototransistors	4
	Temperature sensor	1
	Tilt sensor	1
	Small DC motor (6/9 V)	1
	Small servo motor	1
	H-bridge motor driver	1
	Optocouplers	2
	MOSFET transistor	1
Diodes	3	
Potentiometers (10k ohm)	3	

	Capacitors (100 $\mu$ F)	3
	Resistors (220 $\Omega$ )	11
	Resistors (560 $\Omega$ )	3
	Resistors (1 k $\Omega$ )	3
	Resistors (4.7 k $\Omega$ )	3
	Resistors (10 k $\Omega$ )	11
	Resistors (1 M $\Omega$ )	7
	Resistors (10 M $\Omega$ )	3
	Transparent color gels (red, green, blue)	3

## FAQ

- **Do I need prior experience to use the Starter Kit?**
  - Not at all! The kit is designed for complete beginners — you'll learn everything step by step through hands-on projects.
- **What's included in the Starter Kit R4?**
  - You'll get the UNO R4 WiFi board, a full set of electronic components, a printed project book with 13 guided experiments, certification voucher for the Arduino Fundamental exam and access to exclusive online content and Arduino AI Assistant.
- **How do I access the online content?**
  - Simply register your product at [arduino.cc/start](https://arduino.cc/start) . Once registered and signed in with your Arduino account, you'll unlock translation packs, and extra projects.
- **Do I need an Arduino account?**
  - Yes. Creating a free Arduino account allows you to register your kit, access translations, save your progress, and use online tools like the Web Editor and GenAI assistant.
- **What's the certification voucher included in the kit?**
  - Every Starter Kit R4 includes a voucher code to take the Arduino Fundamentals certification exam. It's an online test that validates your skills in electronics and programming. You can redeem your voucher here: [arduino.cc/education/certification](https://arduino.cc/education/certification)
- **Is the content available in multiple languages?**
  - Yes! As well as English the Starter Kit R4 includes content in **Italian, French, Spanish, German** - available at [arduino.cc/start](https://arduino.cc/start) (more will be added over time). To access the content, just register your kit online.