

Data Sheet

ARD 2 **Arduino Compatibles** Controllers, Shields, Modules & Sensors

ARD2 Innov8 Kit

ARD2-1200

- **The ultimate STEM Coding Kit!**
- **Downloadable Software & Educational eBook Available**

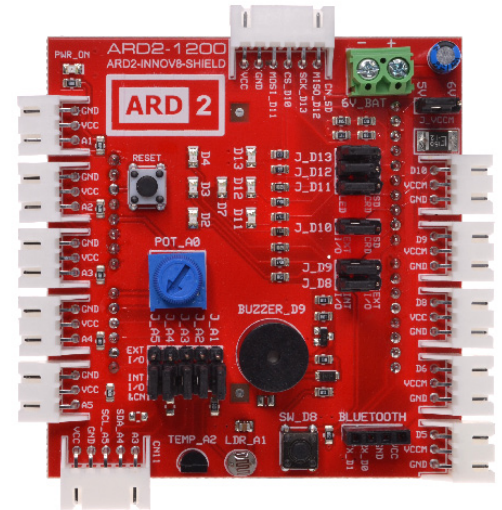
The ARD2-INNOV8 shield is a piece of technology which has various outputs and inputs, and sits on top of an Arduino Uno compatible micro-controller board.

The shield has been fitted with 7 LEDs (light emitting diodes), a piezo buzzer, a bush button switch, a potentiometer, a light sensor, a temperature sensor, a 6 volt input, and convenient snap in connectors to use with a wide range of external modules such as servo motors, joystick module, and a real-time-clock module.

The ARD2-INNOV8 shield was designed to take the headache out of learning how to program a microcontroller like the Arduino Uno. It allows the user to learn a wide range of Arduino lessons without the hassle of wiring up all of the required components. The ARD2-INNOV8 shield helps make learning Arduino (object oriented) programming easy, by allowing the user to concentrate on the programming without being distracted by bugs in the circuit.

INCLUDED IN THE KIT:

- 1 X ARD2 Innov8 Shield
- 1 X ARD2-0066 Arduino UNO R3 Compatible (inc. USB Cable)
- 1 X ARD2-4062 Arduino UNO R3 Transparent Case Shell
- 1 X ARD2-4068 Power Lead 9VDC to DC Plug
- 1 X CA4041 Storage Box (packaging box doubles as storage container)



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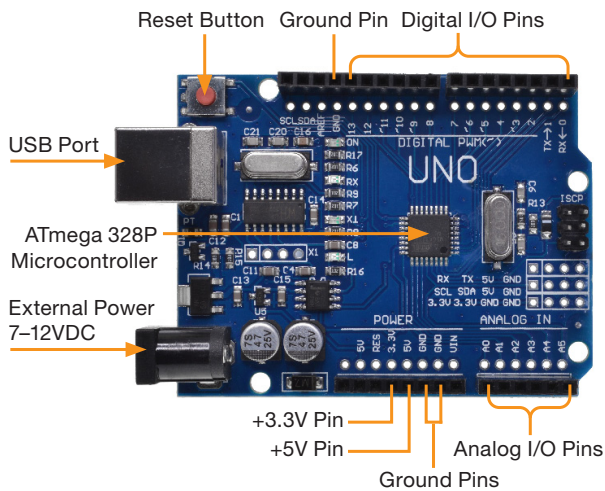
 **WILTRONICS**

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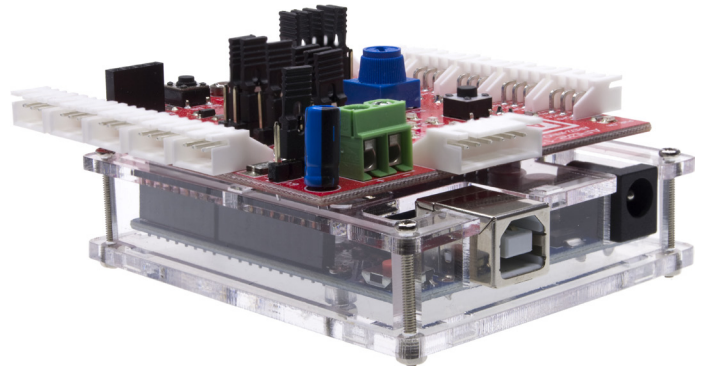
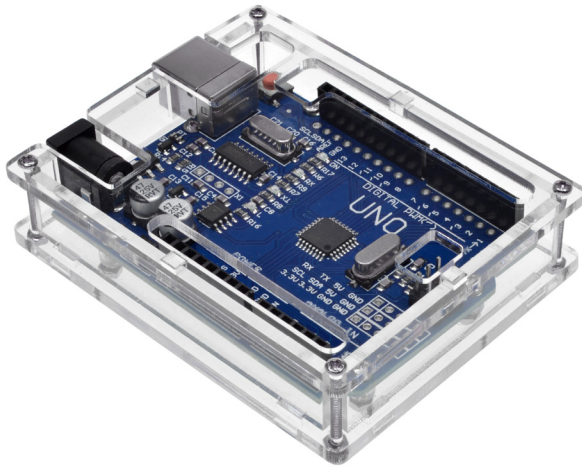
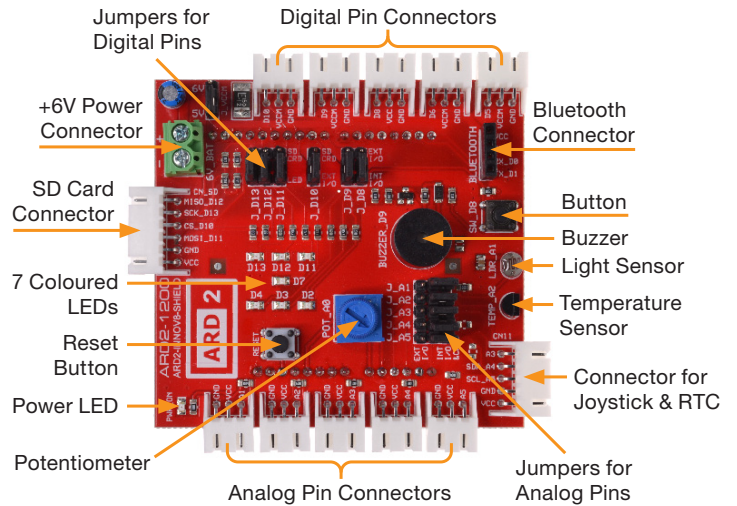
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Arduino Uno R3 Compatible Pinout



ARD2 Innov8 Shield Pinout



Note: When assembling the UNO compatible board and the acrylic case together, fit the USB end plate into the base first, then fit the UNO using the 4 x short bolts and plastic standoffs.

Note: The INNOV8 shield should be inserted on top of the UNO board as shown, ensuring all pins are correctly lined up with the sockets on the UNO.

Add the 3 additional sides and then add the case lid using the 4 x long bolts and nuts. All nuts should finish on the bottom of the case.

Curriculum Support Materials

Visit www.wiltronics.com.au/ard2 for the full range of full resources, low cost eBook and school site license information.



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