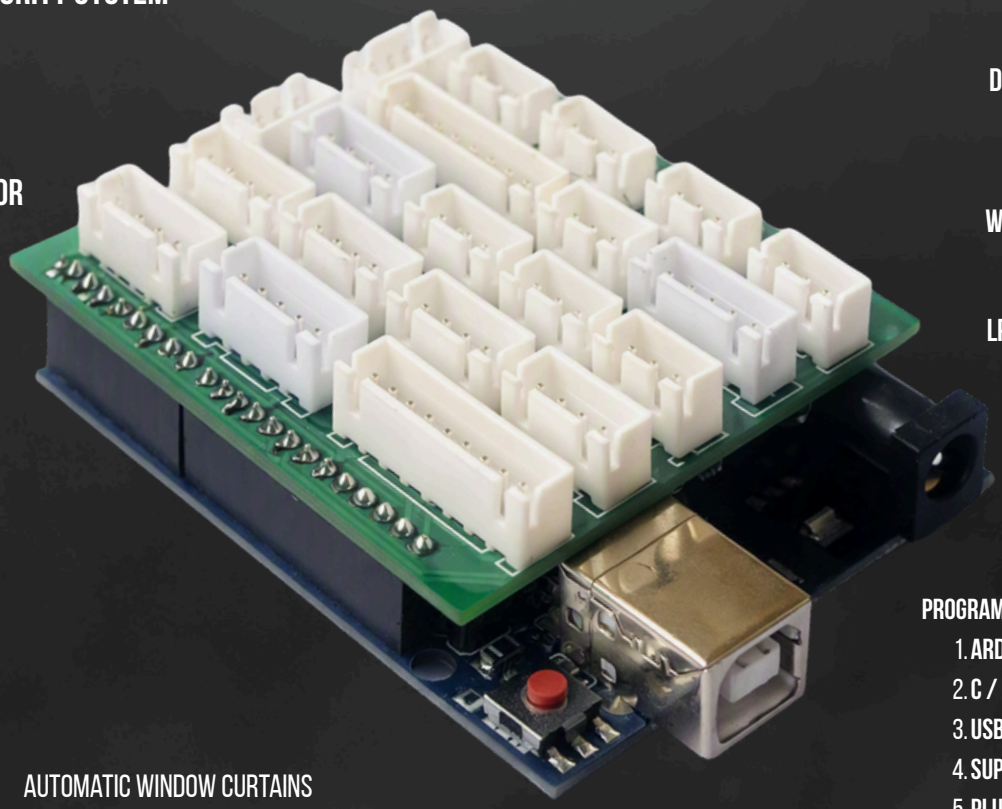
NEW PRODUCT

ARDUINO WITH 50+ PROJECTS SHIELD V.2



Arduino with 25+ Projects Shield.

Description

Arduino with 25+ Projects Shield is a compact Arduino Uno compatible learning and development shield designed for easy sensor and module integration. The shield features dedicated plug-and-play connectors for displays, sensors, servo motors, relay modules, and communication devices, enabling users to build 25+ practical electronics and robotics projects without complex wiring. It is ideal for STEM education, robotics training, IoT learning, and rapid prototyping.

Key Features

1. Arduino Uno R3 Compatible
2. Supports 25+ practical projects
3. Dedicated plug-and-play JST connectors
4. I2C, UART, Digital, and Analog interfaces
5. 5V operating voltage
6. Arduino IDE (C/C++) compatible
7. Easy sensor connection with minimal wiring

Applications

Smart Lock, Distance Meter, Water Level Indicator, LPG Gas Detector, Motion Detector, LASER Security System, Green House, Clap Switch, Automatic Toll Gate, and other educational and robotics projects.

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Connection Details

Sr No.	Project Name	Sensor/Modules Used			
1	Sanitizer Despenser	WAT-1	BUZ		
		IR Sensor	Relay Module		
2	Calulator	CAR-3	LIF-2		
		I2C Display	Keypad		
3	Smart Lock	CAR-3	LIF-1	LIF-2	
		I2C Display	Servo Motor	Keypad	
4	Bi-Directional Counter	CAR-3	SUN-2	SUN-3	
		I2C Display	IR Sensor	IR Sensor	
5	Smart Meter / Distance Meter	CAR-3	DIS		
		I2C Display	Ultrasonic Sensor		
6	Automatic Window Curtains	WAT-1	LIF-1		
		Rain Sensor	Servo Motor		
7	Smart Roof	WAT-1	LIF-1		
		Rain Sensor	Servo Motor		
8	Digital Thermometer	CAR-3	WAT-1		
		I2C Display	Temperature Sensor		
9	Humidity and Temperature Monitoring	CAR-3	WAT-2		
		I2C Display	Humidity Sensor		
10	Touch Control Light	WAT-2	BUZ		
		Touch Sensor	LED		
11	Water Level Indicator	WAT-1	BUZ		
		Water Level Indicator	Buzzer		
12	LPG Gas Detector	CAR-3	WAT-1	BUZ	
		I2C Display	MQ-02 Gas Sensor	Buzzer	
13	Gardner project	WAT-2	LIF-1		
		Relay Module	Soil Moisture Sensor		
14	Clap Switch	WAT-1	BUZ		
		Sound Sensor	Buzzer/LED		
15	Touch Less Alarm	WAT-2	BUZ		
		IR Sensor	Buzzer		
16	Volume Controller	CAR-3	WAT-1	BUZ	
		I2C Display	Potentiometer	Buzzer	
17	Motion Detector	WAT-2	BUZ		
		Motion Sensor	Buzzer		
18	LASER security Sytem	WAT-2	SUN-3	BUZ	
		LASER Module	LDR Module	Buzzer	
19	Air Quality Meter	CAR-3	WAT-1		
		I2C Display	MQ-135 Gas Sensor		
20	Green House	CAR-3	WAT-1	WAT-2	
		I2C Display	MQ-135 Gas Sensor	Moisture Sensor	
21	Automatic Toll Gate	CAR-3	LIF-1	SUN-2	SUN-3
		I2C Display	Servo Motor	IR Sensor	IR Sensor

Follow the Procedures.

1) Select your project from the given list.
2) Identify required components (sensor, display, etc.).
3) Match the connector names on the Arduino Shield (WAT, LIF, DIS, SUN, SOL,...).
4) Connect all components carefully.
5) Ask your Robotics Trainer to verify connections.
6) After approval, connect USB or Battery and turn **ON** power.
7) Observe readings and test the project.
8) Turn **OFF** power and disconnect everything safely.