

Active Buzzer Module 5V



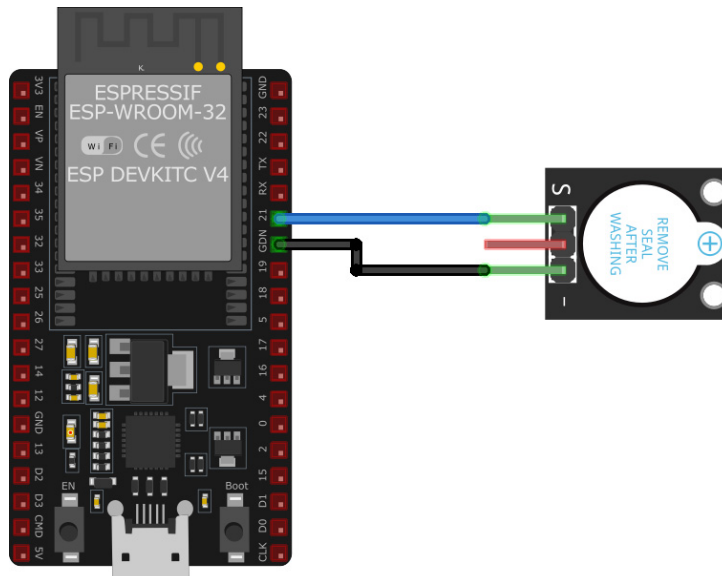
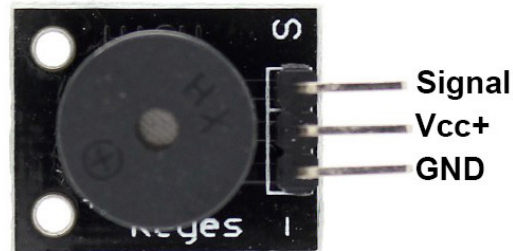
Features:

The Active Buzzer Module 5V KY-012 provides a ready-to-use sound output solution for embedded systems. Unlike passive buzzers, this active buzzer integrates an internal oscillator, allowing it to generate sound simply by applying a DC supply without requiring an external signal. With a stable 5V operating voltage, it offers high reliability and ease of use, making it suitable for Arduino UNO R3 and other 5V logic microcontrollers. Its compact PCB design allows easy integration in constrained spaces. Typical use cases include audio alerts, fault alarms, interactive projects, and robotics.

Specifications	
Model	KY-012 Active Buzzer Module
Operating Voltage	5V DC
Operating Type	Active buzzer (internal oscillator)
Material	High-quality PCB
Sound Output	Tone generated when powered (approx. 2kHz–4kHz typical)
Current Consumption	< 30 mA
Dimensions	~18 × 15 × 10 mm (varies slightly by manufacturer)
Weight	~2 g (per module)
Compatibility	Arduino UNO R3 and 5V logic microcontrollers
Applications	Audio alerts, alarms, robotics, DIY electronics

Pinouts:

Pin Name	Type	Description
VCC	Power	5V DC supply input
GND	Power	Ground connection
I/O	Input	Signal input (digital HIGH to activate buzzer)



Product Pictures:

