



CREATING ROBOTIC  
SOLUTIONS

# ARDWIFI-Shield

September 2011

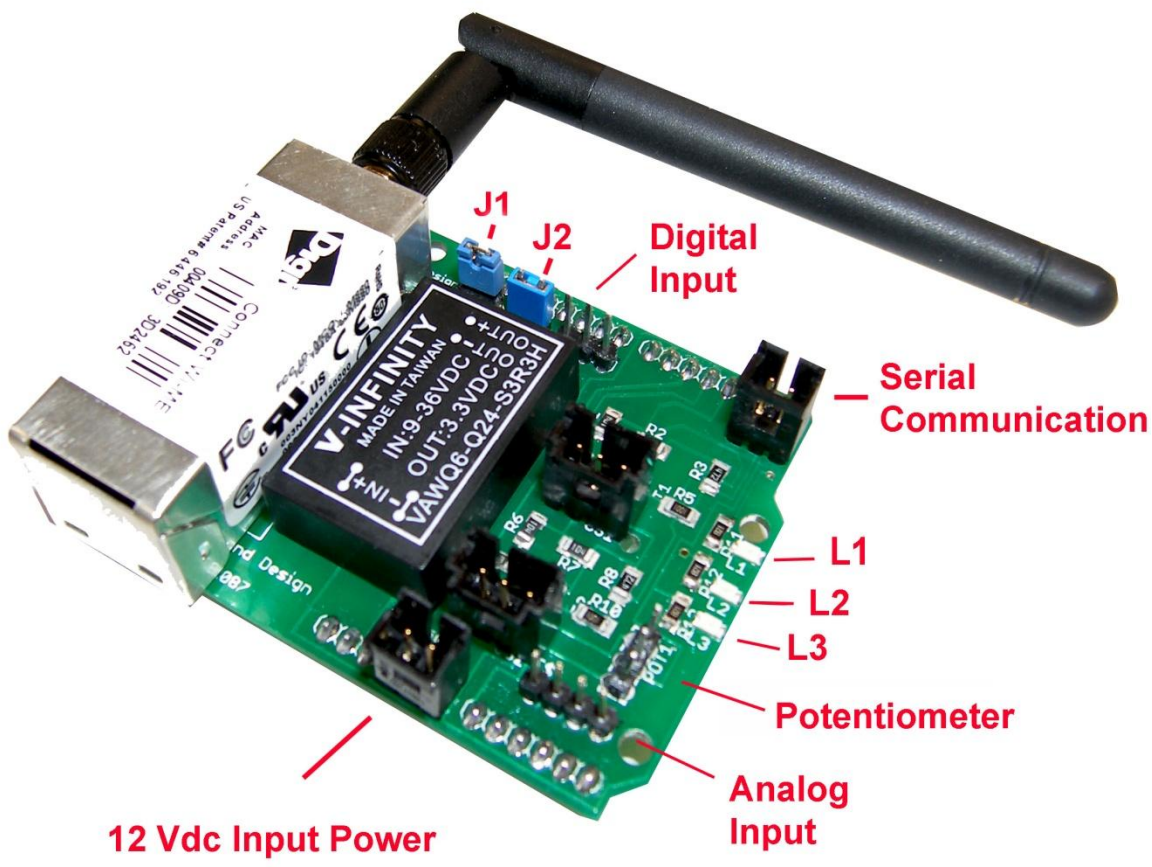


## Overview

The WI-FI controller shield was created to work with the Arduino USB boards. The pin configuration of the shield matches that of the Arduino boards. This device provides a simpler way to provide WI-FI control to your application.

## Summary

|                          |  |
|--------------------------|--|
| Input Voltage Connector: | 12 Vdc   |
| Digital I/O Pins:        | Pins D8 – D10 is available for digital I/O                           |
| Analog Pins:             | Analog pins A1 – A0 are available.                                   |
| Serial Communication:    | Connector to pins RX and TX.   |
| WiFi Communication:      | DIGI WI – ME Device  |
| Ultra- Sonic Sensors:    | 2 onboard circuit and connectors for<br>Model: Ultra12-Sonar devices |
| Potentiometer:           | 20 K $\Omega$ potentiometer pinheader                                |
| LED indicator lights:    |  |
| L1                       | D13  |
| L2                       | D12  |
| L3                       | Arduino 5vdc supply  |
| Jumpers:                 |  |
| J1                       | WI-ME Power Jumper   |
| J2                       | WI-ME Serial Communication jumper                                    |



J1

J2

Digital Input

Serial Communication

L1

L2

L3

Potentiometer

Analog Input

12 Vdc Input Power