

# EZZee™

## Z-Wave Interface Board

- Fifth Generation Z-Wave
- Integrated PCB Antenna
- SerialAPI or Bridge
- Over-the-Wire Firmware
- Raspberry Pi connector
- Z-Wave Certified
- Color LED

## Features

### Z-Wave Interface

- Fifth Generation 500 series Z-Wave
- 300' line-of-sight RF range
- 100/40/9.6Kbps 900MHz RF
- Integrated PCB antenna
- Primary Controller
- Z-Wave Plus Certified



### Field Upgradeable Firmware

- Over-the-Wire (OTW) firmware updates
- Latest API ensures long product lifetime
- SerialAPI or BridgeAPI
- Customizable firmware

### Color LED

- Eight colors

### Raspberry Pi (RPI) compatible interface

- 3.3V @50mA
- UART @231kbps
- RPi fanless enclosure available



Designed and assembled in USA

### 100mil 2x6 connector pinout

Name	Pin#	Name
3.3V	1 2	
LEDR	3 4	
LEDG	5 6	GND
LEDB	7 8	TXD
GND	9 10	RXD
	11 12	RST_N



Actual Size

## Overview

The EZZee Z-Wave Interface Board provides a simple to use and easy to integrate Z-Wave interface for any embedded computer. Specifically designed for the Raspberry Pi, EZZee uses a UART interface available on most embedded CPUs. The Sigma Designs SerialAPI provides a standard software interface to communicate with any Z-Wave device on the Z-Wave network.

The available fanless enclosure for EZZee and the Raspberry Pi makes a complete Z-Wave hub that can communicate directly to the cloud. Power consumption under 5 watts with the ability to drive full HD HDMI screens means the system is also a fully capable standalone Linux computer.

The fifth generation Z-Wave technology enhances the reliability and speed of every device on a Z-Wave network by using the very latest routing algorithms and the very best radio technology currently available. Firmware is updated using the standard OTW protocol which can be upgraded in the field extending the lifetime of any product incorporating the EZZee.

Why is the EZZee better than the Sigma Designs ZM5304 module?

The ZM5304 uses a fixed firmware that is not field upgradeable and cannot be customized. The firmware is available only in binary form directly from Sigma. The source code is not available. Z-Wave certification is still required with the ZM5304. EZZee is Z-Wave Certified as a Hardware Platform so only your software needs to be certified.

### Ordering information:

**EZZee-US SKU: 661799815055**

RF Frequency: 908/916MHz (US)

Dimensions: 2.2"H x 1.25"W x 0.5"D

Weight: 8g

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## Federal Communications Commission (FCC)

FCCID: UTH-ZW1512

This device complies with part 15 of the FCC rules. Operation of this device is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna or device.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **WARNING!**

Changes or modifications not expressly approved by Express Controls could void the user's authority to operate the equipment.



## Warranty Information

### LIMITED 2 YEAR WARRANTY

If within two (2) years from the date of purchase, this product fails due to a defect in material or workmanship, Express Controls LLC will repair or replace it, as its sole option, free of charge. This warranty is extended to the original household purchaser only and is not transferable. This warranty does not apply to: (a) damage to units caused by accident, dropping or abuse in handling, acts of God or any negligent use; (b) units which have been subject to unauthorized repair, opened or otherwise modified; (c) units not used in accordance with instructions; (d) damages exceeding the cost of the product; (e) the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear; (f) transit damage, initial installation costs, removal costs, or reinstallation costs. EXPRESS CONTROLS LLC WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THIS LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATIONS OF AN IMPLIED WARRANTY, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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