

### FEATURES

- Provides a USB interface to Z-Wave enabled devices.
- Connects to any USB port or a powered USB hub.
- Leaves serial ports free for other devices.

### PRODUCT DESCRIPTION



The **ZCU000 USB Interface** allows you to communicate from any USB port to control Z-Wave enable products.

Based on Version 1.21 of the Z-Wave™ API Library

Protocol description available in Version 3.20 of Z-Wave™ Developers Kit

ACT does not provide any computer software for this product. This product is intended to be used with third party software developed using Version 1.21, or earlier, of the Z-Wave™ API Library. The Version 1.21 API Library, is part of the Version 3.20 Z-Wave™ Developers Kit.

If this product is intended to be used with third party software developed after **Version 1.21, and Version 3.20 of the Z-Wave™ Developers Kit, the firmware will have to be updated. An OEM software provider may elect to update the firmware, or request that ACT update the firmware (at an added charge). Contact your local representative for more details.**

HomePro wireless radio frequency products utilize Z-Wave™ technology to communicate and inter-operate, and are compatible with other Z-Wave™ enabled products.

ZCU000 has feet for placement on horizontal surfaces, but keyhole slots on the back also allow it to be hung on a vertical surface.



### ORDERING INFORMATION

Specify: **ZCU000**

### SPECIFICATIONS

#### Electrical

Power	USB port (Bus Powered)
Signal (Frequency)	908.42 MHz
Range	Up to 100 feet (line of sight) between the USB Interface and the closest Z-Wave enabled product.

#### Mechanical

Dimensions	5.505" W x 4.005" D x 1.375" H
Weight	Approx. 8 oz.
User Interface	Computer and appropriate software

## Environmental

Operating Temperature Range

32-105° F (0-40° C) For Indoor Use Only

Specifications may change without notice to improve product performance.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This product does not support "sleep" mode or "power saver" mode on computers. This insures that the controller will always maintain communication with Z-Wave enable devices. If you experience a problem, please read the following:

## INSTALLATION:

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Connect the ZCU000 to a USB port on the computer.

Follow the instructions on the screen and insert the third party software CD with the USB drivers.

Follow instructions contained in the third party manual or installation documents provided on the CD.

## TROUBLESHOOTING:

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### Problem: Computer Does Not Shut Down Properly if "Selective Suspend" Is Enabled

The information in this article applies to:

- Microsoft Windows XP Home Edition
- Microsoft Windows XP Professional

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### Symptoms

After you attach a USB-based input device (such as a keyboard or mouse) to your computer, your computer may no longer shut down properly. For example, your computer may stop responding (hang) after you click Turn off or **Restart**.

### Cause

This issue can occur when selective-suspend functionality is enabled on a device that does not support it. This situation can occur when two or more USB-based devices have the same vendor and product identification numbers, and only one of the devices supports the selective-suspend functionality.

### Workaround

To work around this issue, disable power management of the USB hub. **NOTE:** Although the following procedure may enable your computer to shut down properly, it may also reduce battery life on a lap top computer.

To disable power management on the USB hub:

Right-click **My Computer**, click **Properties**, click the **Hardware** tab, and then click **Device Manager**.

Double-click the Universal Serial Bus controllers branch to expand it, right-click **USB Root Hub**, and then click **Properties**.

Click the **Power Management** tab.

Click to clear the box **Allow the computer to turn off this device to save power check**, then click **OK**, and then quit Device Manager.

### More Information

In Windows XP, the USB core stack supports the "Selective Suspend" feature. A driver can use this feature to turn off the USB device it controls when the device becomes idle, even while the computer remains in a fully operational power state (S0). For example, a driver can idle the host controller, empty USB hubs (including the root hub), and the full range of USB devices that are supported by the operating system. Selective suspend is primarily intended to conserve battery power in lap top computers. USB controllers often use a lot of battery power, even when no devices are attached to the computer.