

# OPERATING MANUAL

## Z-WAVE STATIC CONTROLLER

### HKZW-STICK

The Stick is a USB v2.0 full speed low power CDC-ACM compliant Z-Wave adapter in a thumb drive form factor. The Stick can act as a Z-WAVE Controller when it's connected to a host like PC, MAC or Gateway (some in the market) etc. With a certain program installed on the PC, it can add or remove devices in or from a network.

#### I . GENERAL INFORMATION ABOUT STICK

##### 1. Product layout



##### 2. Specifications

Power supply:	DC 4.75~5.25V
Storage environment:	-20°C~60°C      0%~80%
Operational temperature:	-10°C~40°C
Radio protocol:	Z-Wave
Radio frequency:	868.42 MHz (EU) 908.42 MHz (US) 921.42 MHz (ANZ)
Range:	More than 150m outdoors About 40m indoors (depending on building materials)
Dimensions:	90*25*11mm

#### II. INSTALLATION

The stick can act as a secondary controller within an existing z-wave network after the terminal program being installed. You can also use the stick to make a new z-wave network.

As the device exports a USB CDC/ACM class compliant interface, it appears as a serial port, reusing existing standard drivers on most popular PC operating systems. As such there is no vendor driver required.

### **1 Windows 2000/XP/Vista/7/8 32 & 64 bit**

UZH.INF & UZH.CAT are provided in the Z-Wave SDK that reuses the standard Windows usbser.sys or usbser64.sys driver. The device appears in the Device Manager under the Ports section, and is accessible through the Windows CreateFile API by applications as “\\.\COMxxx” where xxx is the COM Port number assigned by the OS.

### **2 Linux kernel 2.6.24+**

The device appears as “/dev/ttyACMxxx” where xxx is the tty number assigned by the OS.

### **3 MAC OS X 6.4**

The device appears as “/dev/tty.usbmodemxxx” where xxx is the tty number assigned by the OS.

## **III. INDICATOR**

1. The LED indicator on the Stick will keep being on when it's successfully connected to the host.
2. The LED Indicator will blink once when the stick is sending a Z-WAVE command.

### **IV. FCC NOTE:**

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.

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

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.
- 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.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction