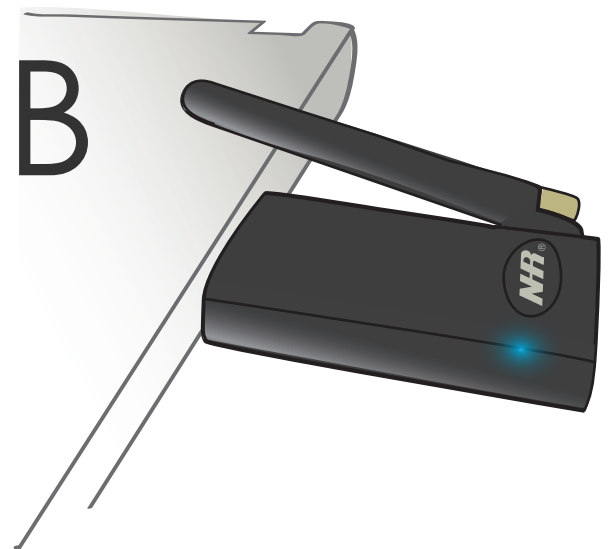




Nietzsche Enterprise CO,LTD.

WZB-01 USB

ZigBee USB DONGLE
User Manual



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Accessories

- CD Quickview Data Software
- User Manual

Safety notice

- Please read and follow the instructions before use of this product.
- To prevent electrical shock or fire, do not attempt to disassemble this unit and do not expose it to moisture of any kind; ex., rain, liquid spills.
- Only use attachments/accessories specified by the manufacturer

*Note: pictures and contents are subject to change without prior notice

Introduction

01

WZB-01USBC Wireless ZigBee Dongle, for ModBus, General Applications
WZB-01USBDC Wireless ZigBee Dongle, for DIO Applications

Introduction



WZB-01USB series ZigBee USB Dongle features as a coordinator; easy to link and connect to the Host computer, provides fully compliant wireless ZigBee communications with routers/end device, suitable for home/building automation, Industrial control and monitoring, lower power wireless sensor networks & consumer Electronic Applications.

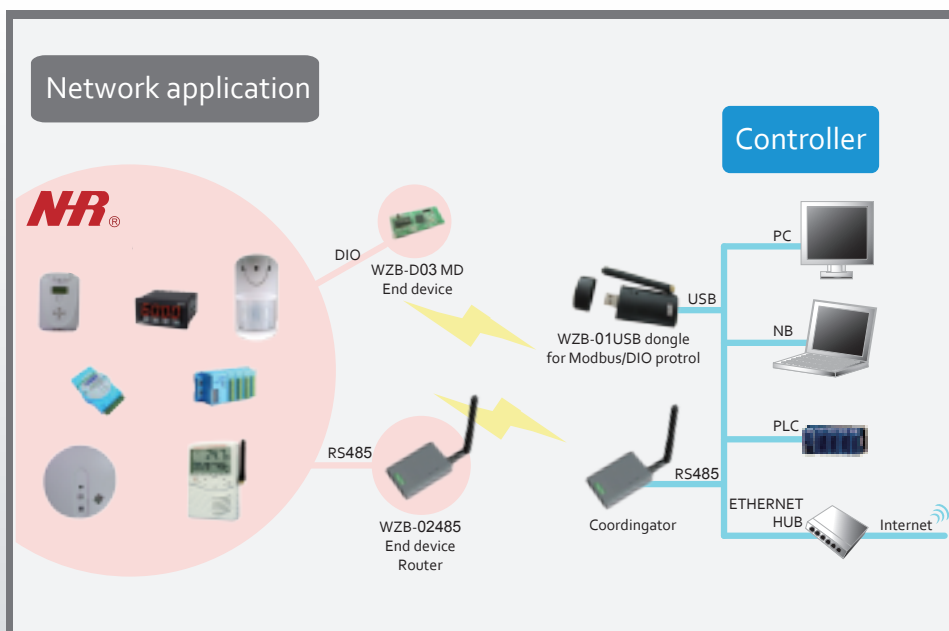
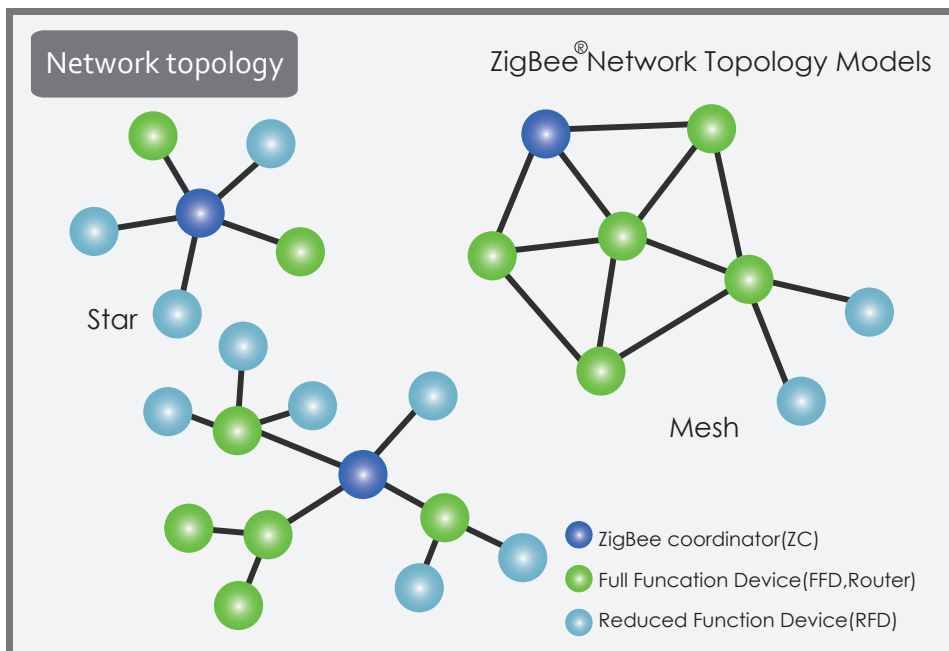
Specification

Network protocol	PRO IEEE 802.15.4./ZigBee2007
Chip set	TI C2530F256, 256K Flash SoC
RF power	18dBm
Transmission distance	500M free space.
Transmission rate	Max. 250kbps
Baudrate choice	configurable(Default : 9600 8N1)
Output interface	USB
Parameter	Baudrate,PAN ID,RF Channel confirguable
Receiver sensitivity	-92dBm
Auto reconnection	Auto reconnection when interrupted
Network supports	Star, Tree, Mesh
Working voltage	USB DC 5V
Working temperature	-20~70oC,Max.90% RH
OS Support	Windows 2000,XP,Vista,Win 7
Dimension	70x30x7mm

Applications

- Industrial and Domestic Applications
- Service-based monitoring, security and awareness systems
- Home Area Networks (HAN)
- Home/ Building automation

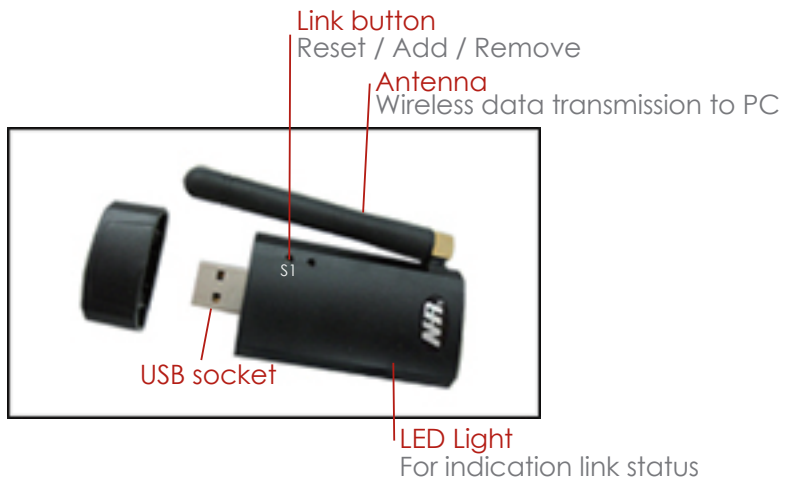
Network Overview



Hardware Overview

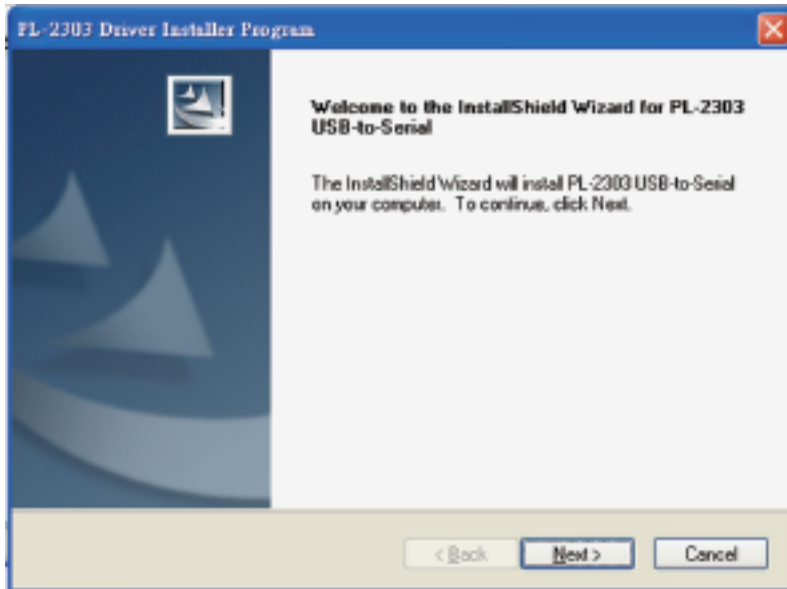
03

WZB-01USBC ZigBee-Dongle



Install USB dongle driver

To install the PL-2303 USB Driver From the CD enclosed



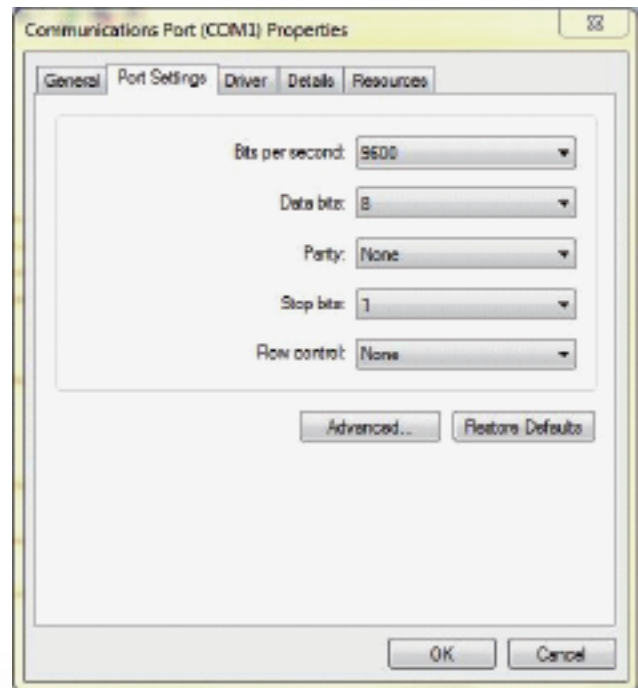
COM Port setting

The WZB-01USBC ZigBee dongle must be plugged into the PC.











Go to **My Computer**, click right button on the mouse, select **Content**, choose **Hardware**, click **Device Manager**, then set COM port. (Prolific USB-to-Serial Comm Port) as below.

COM port setting items	Setting
Baud rate	9600 bps
Data bits	8
Parity	None
Stop bits	1
Flow control	None



Make Network Link & LED indication

Function	Operation		LED Indicator
Join to network	Dongle	Press "S1" once	 Blue LED blinking flash, 30 seconds allowed for join  turn to intermittent flash means well linked
Remove the joined device	Dongle	Press "S1" twice	 Blue LED blinking flashes, 30 seconds allowed to remove  turn to  intermittent flashlight means removed.
Reset or Refresh network	Dongle	Press "S1" 3 seconds	  Blue and red LED On for 1 second  turn to intermittent flash.

** Note: Please be noted the dongle must connect with PC through extended USB cable

After above ZigBee network link successfully, user can start running their own monitoring software and enjoy the great convenience of ZigBee wireless solutions.

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Technical Support

E-Mail : service@nhr.com.tw
Website: www.nhr.com.tw

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. (15.21)

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.(15.19(a)(3))

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.