User Manual

Scene Selector
Model: Z825F /G /H /I

Firmware: V1.1
Hardware: V1.0 and above

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1. Introduction

Z825F /G /H /I, a touch panel scene selector & mode selector, acts as a Router Device in ZigBee network. It is a 6-selector touch panel and allows people to perform the scene controls or mode controls. Users could setup 6 scenes via its Add Group, Store Scene, and Recall Scene features. Z825F /G /H /I, supports modes through PC software (ex. Zig-Butler).
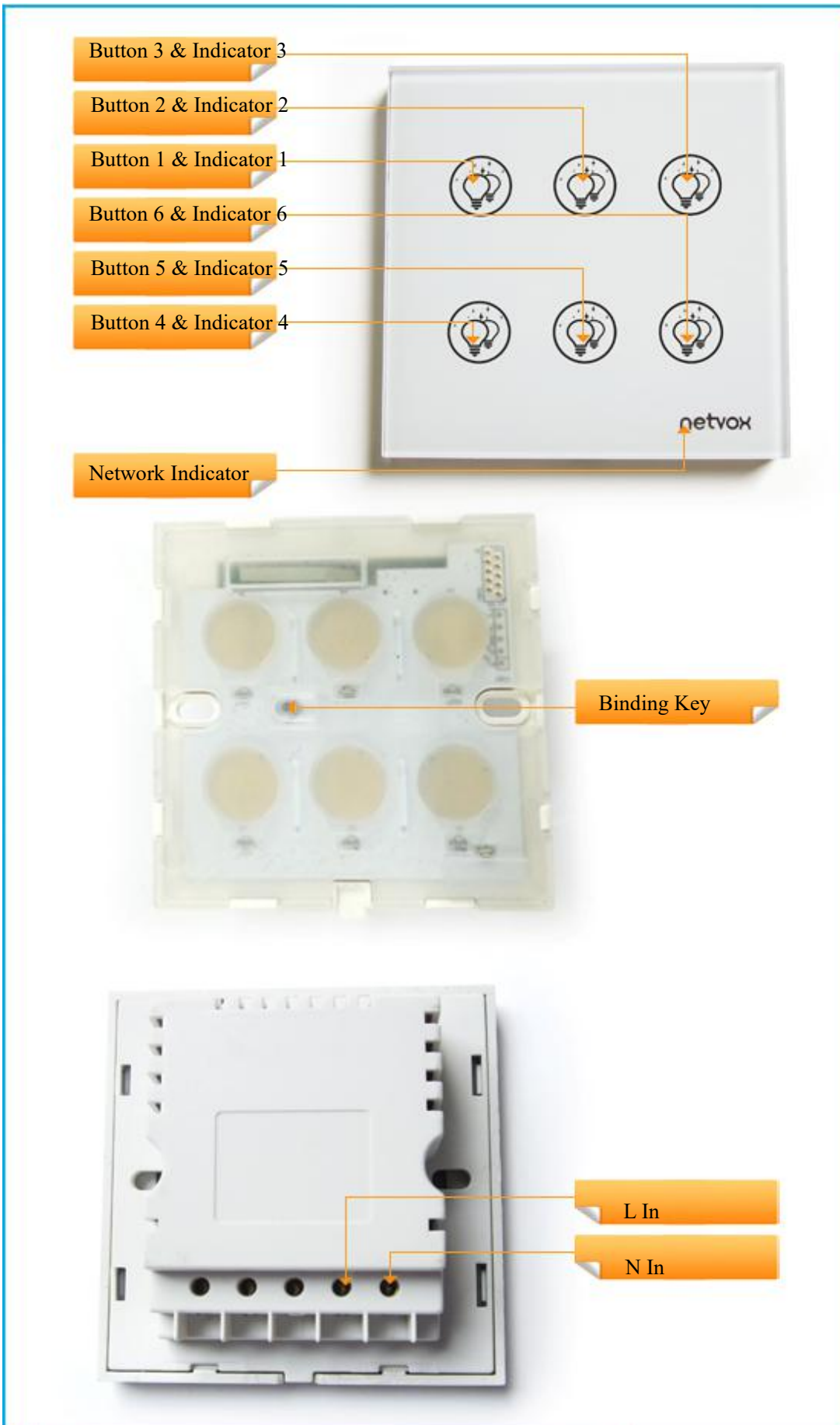
What is ZigBee?

ZigBee is a short range wireless transmission technology based on IEEE802.15.4 standard and supports multiple network topologies such as point-to-point, point-to-multipoint, and mesh networks. It is defined for a general-purpose, cost-effective, low-power-consumption, low-data-rate, and easy-to-install wireless solution for industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation and home automation, etc.

model	Z825F	Z825G	Z825H	Z825I
button	1	1,2	1,2,3	1,2,3,4,5,6

2. Product Appearance

Please refer to the corresponding function keys according to specific models shown in below

Button 3 & Indicator 3

Button 2 & Indicator 2

Button 1 & Indicator 1

Button 6 & Indicator 6

Button 5 & Indicator 5

Button 4 & Indicator 4

netvox

Network Indicator

Binding Key

L In

N In

3. Specification

- Fully IEEE 802.15.4 compliant

- Utilizes 2.4GHz ISM band; up to 16 channels

- Power supply: 100~240VAC 50/60HZ

- Power consumption: 7mA@230V

- Up to 150 meters wireless transmission range in non-obstacle space

- Easy installation and configuration

4. Installation

- This device is NOT truly waterproof/ resistant and is for indoor use.

- Power on Z825F /G /H /I, using 100~240 VAC power supply.

5. Setting up Z825F /G /H /I

5-1. Join the ZigBee Network

After Device is turned on, it will search for an existing ZigBee network and send a request to join the network automatically. While Device is under the coverage from a coordinator or a router whose **permit-join feature is enabled**, Device will be permitted to join the network.

> Step1. Enable the permit-join function (valid for 60 seconds) of a coordinator or a router (please refer to the user manual of the coordinator or the router to enable the permit-join feature).
> Step2. Power on Device. It will start to search and join the network.
> Step3. The Network Indicator stays ON after it is joined successfully.

5-2. Permit-Join

Device is designed to work as a router. To allow other devices to join the ZigBee network, users could enable the Permit-Join feature using the tips:
> A. Press the *Binding Key* to enable the Permit-Join feature. The Network Indicator will flash per second.
> B. The default Permit-Join period of time is 60 seconds.

5-3. Control

model	Z825F	Z825G	Z825H	Z825I
button	1	1,2	1,2,3	1,2,3,4,5,6

A. Scene Selector

i. Store Scene

After Device join a network, users can add the device, like ZC06, into a group/scene using the following steps:

Step1. Identify the device which you would like to add.

Step2. Press and hold the button for 3 seconds. The Network Indicator will flash **once**.

Step3. Release the button and then press the *Binding Key* within 2 seconds.

Step4. The Network Indicator flashes **5 times** after the setting is completed; otherwise, it will flash **10 times**.

- To remove the device from the group/scene, do the above steps again.
- Via the steps above, one button can only be used for one group/scene.
- In order to use one button for multiple groups/scenes (up to 4 groups/scenes), please use ZigBee application such as Netvox ZiG-BUTLER.
- The indicator colors for 4 groups/scenes are **blue** → **red** → **cyan** → **pink** in sequence.

ii. Recall Scene

After store scene, users can press the button to recall or switch scenes.

B. Mode Selector

Users are able to configure the Mode control through ZigBee applications such as Netvox ZiG-BUTLER. Each scene selector configurates up to 3 modes.

- Related cluster: 0xFE60
- Each button can be used for 3 ModeID / ShortCut.
- The indicator colors for 3 modes are **blue** → **red** → **cyan** in sequence.

C. Turn on / off LED backlight

Long press binding key for 6 seconds (green indicator flashes twice at 3rd and 6th second). Release the key, LED backlight turn on / off.

5-4. Restore to Factory Setting

Step1. Press and hold the Binding Key for 15 seconds. The Network Indicator will flash 4 times (at the 3rd , 6th ,10th , 15th second).

Step2. After releasing the Binding Key, press any switch key (Button 1/ Button 2/ Button 3/ Button 4/ Button 5/ Button 6) within 2 seconds. The Network Indicator will be flashing. After the Network Indicator stops flashing, the restore is completed.

6.Home Automation Clusters for Z825F /G /H /I

End Point(s) & Device ID

End Point	Scene	DeviceID	Z825F	Z825G	Z825H	Z825I
0x01	Scene of button 1	Scene Selector（0x0004）	V	V	V	V
0x02	Scene of button 2	Scene Selector（0x0004）		V	V	V
0x03	Scene of button 3	Scene Selector（0x0004）			V	V
0x04	Scene of button 4	Scene Selector（0x0004）				V
0x05	Scene of button 5	Scene Selector（0x0004）				V
0x06	Scene of button 6	Scene Selector（0x0004）				V

EndPoint（Device ID 0x0004）Cluster ID

Cluster ID for Z825F/G/H/I	
Server side	**Client side**
Z825F **Z825G** **Z825H** **Z825I**	**End Point（0x01）（Device ID:** Scene Selector（**0x0004**））
Basic(0x0000)	
Identify(0x0003)	
Commissioning(0x0015)	Groups(0x0004)
Diagnostics(0x0B05)	Scenes(0x0005)
Z825F **Z825G** **Z825H** **Z825I**	-- **End Point（0x02）（Device ID:** Scene Selector（**0x0004**）） **End Point（0x02~0x03）（Device ID:** Scene Selector（**0x0004**）） **End Point（0x02~0x06）（Device ID:** Scene Selector（**0x0004**））
Basic(0x0000)	
Identify(0x0003)	
Diagnostics(0x0B05)	Groups(0x0004)
	Scenes(0x0005)

This lists the attributes of the basic information.

Attributes of the Basic Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	*ZCLVersion*	Unsigned 8-bit integer	0x00 – 0xff	Read only	0x03	M
0x0001	*ApplicationVersion*	Unsigned	0x00 –	Read only	0x0C	O

		8-bit integer	0xff			
0x0002	*StackVersion*	Unsigned 8-bit integer	0x00 – 0xff	Read only	0x33	O
0x0003	*HWVersion*	Unsigned 8-bit integer	0x00 – 0xff	Read only	0x0B	O
0x0004	*ManufacturerName*	Character string	0 – 32 bytes	Read only	netvox	O
0x0005	*ModelIdentifier*	Character string	0 – 32 bytes	Read only	Z825FE3R Z825GE3R Z825HE3R Z825IE3R	O
0x0006	*DateCode*	Character string	0 – 16 bytes	Read only		O
0x0007	*PowerSource*	8-bit Enumeration	0x00 – 0xff	Read only	0x03	M
0x0010	*LocationDescription*	Character string	0 – 16 bytes	Read/write		O
0x0011	*PhysicalEnvironment*	8-bit Enumeration	0x00 – 0xff	Read/write	0x00	O
0x0012	*DeviceEnabled*	Boolean	0x00 – 0x01	Read/write	0x01	M

7. Important Maintenance Instructions

- Please keep the device in a dry place. Precipitation, humidity, and all types of liquids or moisture can contain minerals that corrode electronic circuits. In cases of accidental liquid spills to a device, please leave the device dry properly before storing or using.
- Do not use or store the device in dusty or dirty areas.
- Do not use or store the device in extremely hot temperatures. High temperatures may damage the device or battery.
- Do not use or store the device in extremely cold temperatures. When the device warms to its normal temperature, moisture can form inside the device and damage the device or battery.
- Do not drop, knock, or shake the device. Rough handling would break it.
- Do not use strong chemicals or washing to clean the device.
- Do not paint the device. Paint would cause improper operation.

Handle your device, battery, and accessories with care. The suggestions above help you keep your device operational. For damaged device, please contact the authorized service center in your area.