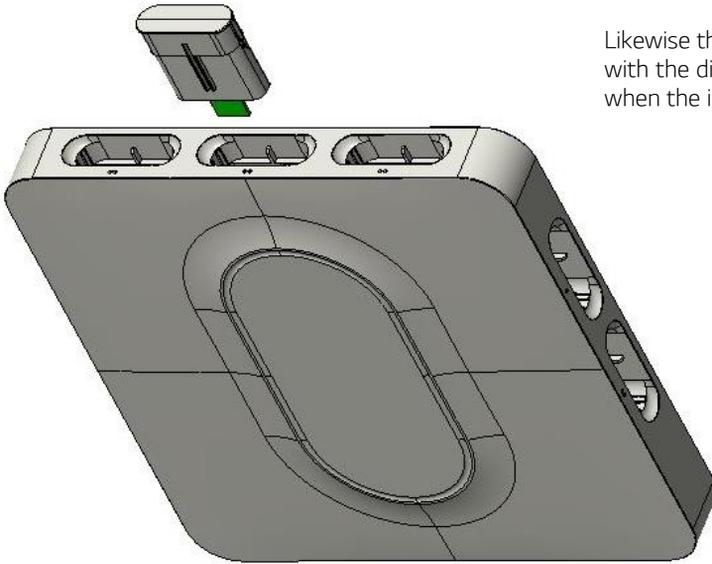


## Zigbee Module

User Manual  
Model : TWZT-T009D-H

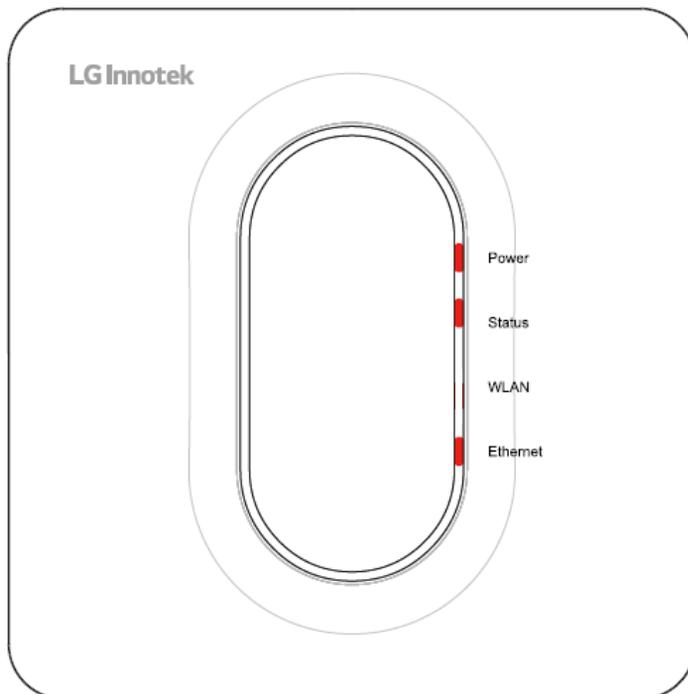
# 1. Zigbee Module User Manual

- Zigbee Module is suitable for Gen2 Gateway.
- 5 Slots of Gen2 Gateway can be used for Zigbee Module.  
For the detail, please refer to the Slot Information on the next page.
- To fulfill the ESL System, at least 2 Zigbee Modules should be inserted to the Gateway.



Likewise this picture, when you inserting modules, be careful with the directions. Modules will not be able to be putted in when the inserting direction is opposite.

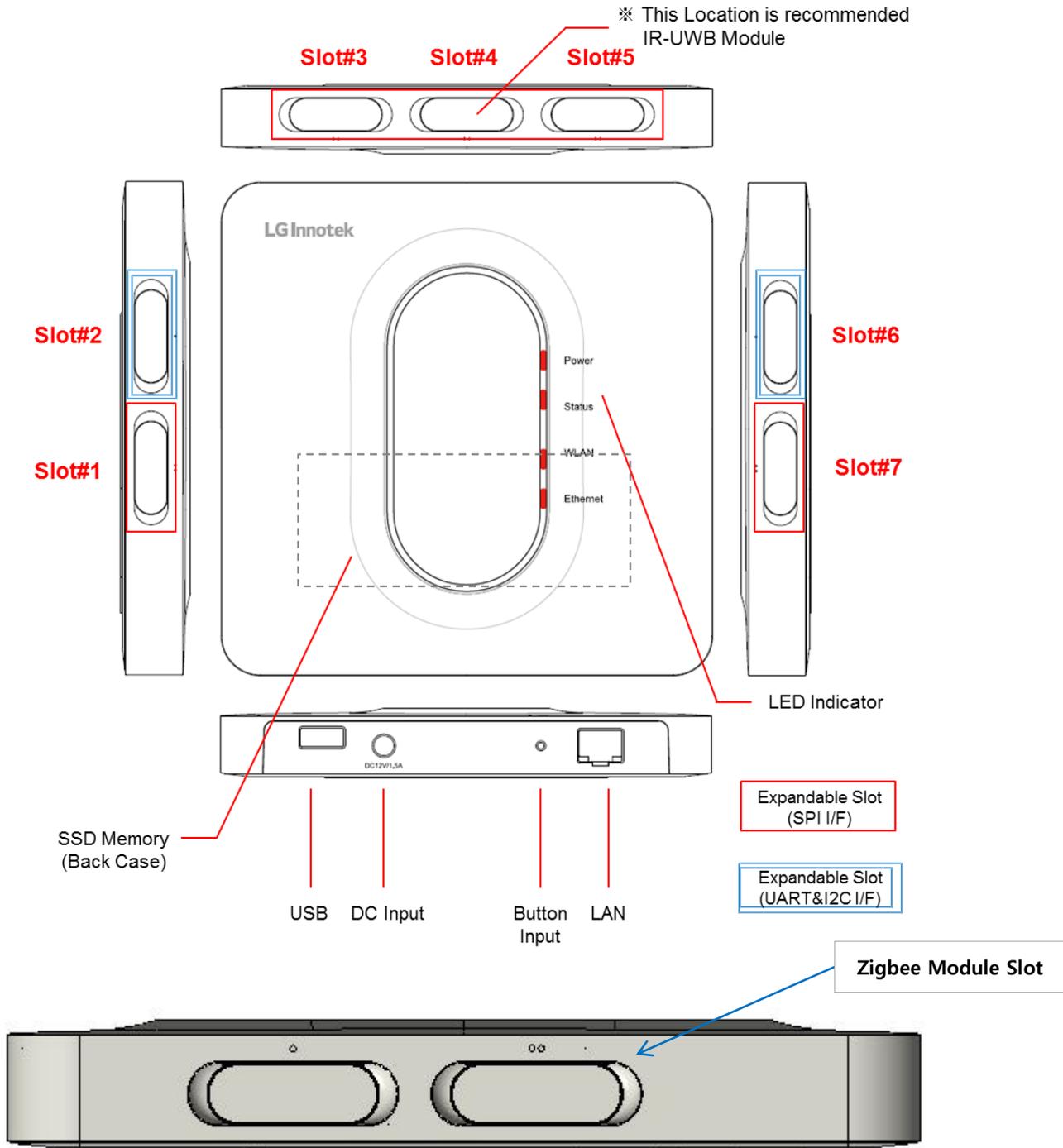
## 2. LED Alarming



When Modules are working abnormally, three LEDs(Power, Status, Ethernet) would blink to alarm the unusual state.

※ The abnormal phenomenon could happen when you forced pull out the modules or module malfunctions.

### 3. Gen2 Gateway Slot Information



- You can distinguish the module slots by the printed circles  
→ Zigbee Module Slot : 2 Circle, the others : 1 Circles

# Regulation Information

Trade name:  **LG Innotek**

Manufacturer: LG Innotek Co., Ltd. / 26, Hanamsandan 5beon-ro Gwangsan-gu, 506-731, Gwangju, South Korea

Model name: TWZT-T009D-H

Operating frequency: 2 405 MHz ~ 2 480 MHz, Maximum transmit power: 9.33 dBm

Can be contacted via website: [www.lginnotek.com](http://www.lginnotek.com)

## **FCC Compliance Statement (for products subject to Part 15)**

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.

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.

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment. This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.

A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirement.

## **CE RF Radiation Exposure Statement**

Caution: This equipment complies with European RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## 적합성 평가 정보

적합성평가를 받은 자의 상호명 : 엘지이노텍 (주)

기자재 명칭 : 특정소출력 무선기기(무선데이터통신시스템용 무선기기)

모델명 : TWZT-T009D-H

제조사 및 제조국가 : 엘지이노텍 (주) / 한국

제조연월 : 제품에 별도 표기

인증번호 : R-CRM-LGW-TWZTT009DH



### 제품 사양

- 무선 사양 : IEEE 802.15.4 (Zigbee)
- 사용주파수 : 2 402 MHz ~ 2 480 MHz
- 채널수 : 16 개
- 출력 : 10 mW/MHz 이하

본 기자재는 통상이용상태에서 인체로부터 20 cm 이내 사용하지 않는 기자재이므로 SAR 비 대상기자재로 간주하여 SAR 시험하지 않음

이 기기는 가정용 (B급) 전자파 적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용 할 수 있습니다.