



ENGLISH

FRANÇAIS

ESPAÑOL

Installation Guide/User's Guide

ZigBee Dongle

Be sure to read the "Safety Precautions" before using the product.
Keep this manual in a place where anyone who uses the product can see it.
Please be careful when using this product and check it has not been altered in any way beyond its default state to prevent the occurrence of accidents

ZigBee Dongle



MFL71683201
Rev.01_112819

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Thank you for using our air conditioner featuring the ZigBee application. Please only operate after reading the user guide to enable a more trouble free, prolonged operation

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BEFORE USE OR INSTALLATION

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Safety Precautions

The following safety precautions are intended to prevent unforeseen hazards or damage in advance by using the product safely and correctly.

WARNING

Failure to observe these instructions could result in death or serious injury.

CAUTION

Failure to observe these instructions could result in personal injury or property damage.

WARNING

When installing

- Please contact a service center or installation shop to install the product.
 - It may cause fire, electric shock, explosion or injury.
- Please contact a service center or industry professional to install this product
 - It may cause fire, electric shock, explosion or injury.
- Do not disassemble, repair or modify the product.
 - It may cause fire or electric shock.

When using

- Do not place a heating device near the product.
 - It may cause fire.
- Do not spill water inside the product.
 - It may cause electric shock or failure.
- Do not direct an electrical short circuit to this product
 - Giving a shock to the product may cause malfunction.
- Do not damage the product with a sharp and pointy object, etc.
 - It may damage the parts and cause failure.

CAUTION

When using

- Do not clean with strong solvent-based detergent. Use a soft cloth.
 - It may cause fire or product deformation.
- Do not touch with wet hands or pull the connecting cable.
 - It may cause electric shock or failure.

BEFORE USE OR INSTALLATION

Precautions for ZigBee dongle Installation

- It must be installed by a professional installer.
- The ZigBee thermostat should be installed within 30 meters.
It is recommended to be installed near the product.
- Install in a place free from electromagnetic interference.
It may cause malfunction of the product.
- If there is a wall or obstacle between the ZigBee dongle and the ZigBee thermostat, communication issues may occur.
- If it is attached to steel structures such as H beams, steel plates, indoor cabinets, etc., communication issues may occur
- Do not install the product in a place with high temperature or humidity such as a kitchen or bathroom.
- Install at least 1cm away from the metal panel.
- Can not use a WiFi dongle and a ZigBee dongle at the same time.
- If user have a WiFi dongle installed, unplug it and connect ZigBee dongle.

Note

- * ZigBee dongle is equipped with Thermostat Cluster Server and Fan Control Cluster Server.
- * ZigBee thermostat should be equipped with Thermostat Cluster Client and Fan Control Cluster Client.
- * It can be used after ZigBee join and bind process.
- * It will not work on a general thermostat without Zigbee capabilities

ZIGBEE DONGLE INSTALLATION

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Components

Installation Parts

Name	Quantity	Appearance
ZigBee Dongle	1	
USB Cable (120 cm)	1	
Manual	1	
Double-sided Tape	2	

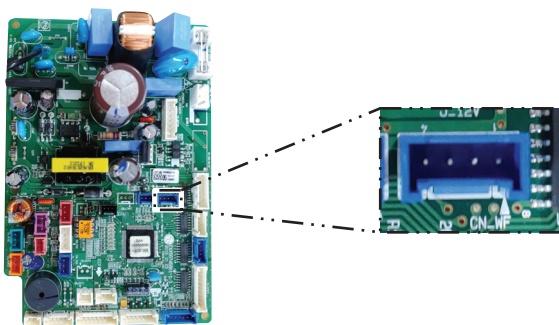
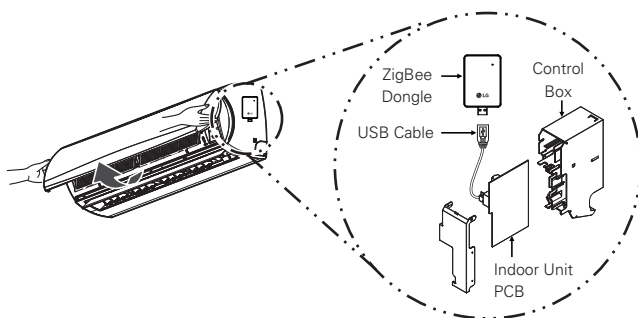
Installation Equipment

Appearance	Name
	Driver
	Usim pin (needle)

ZIGBEE DONGLE INSTALLATION

Wall Mounted

1. Check if the indoor unit is turned off and the power of the outdoor unit is turned off.
2. Open the control box of the indoor unit.
3. Connect the USB cable to the indoor unit PCB (CN_WF).
4. Connect the ZigBee dongle to the USB cable.
5. Install the ZigBee dongle on the flat ceiling near the indoor unit or on the corner of the indoor unit panel. (Use the included double-sided tape to fix it in place.)



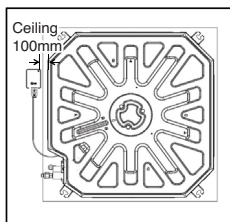
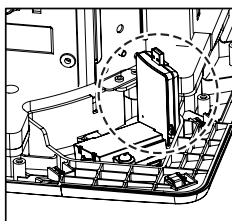
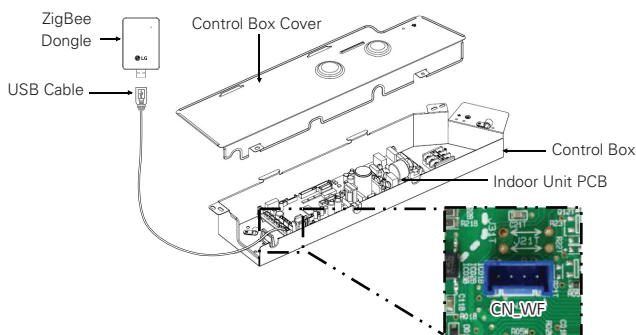
<Installation Example>

ZIGBEE DONGLE INSTALLATION

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4Way Ceiling Cassette

1. Check if the indoor unit is turned off and the power of the outdoor unit is turned off.
2. Open the control box of the indoor unit.
3. Connect the USB cable to the indoor unit PCB (CN_WF).
4. Connect the ZigBee dongle to the USB cable.
5. Install the ZigBee dongle on the flat ceiling near the indoor unit or on the corner of the indoor unit panel. (Use the included double-sided tape to fix it in place.)

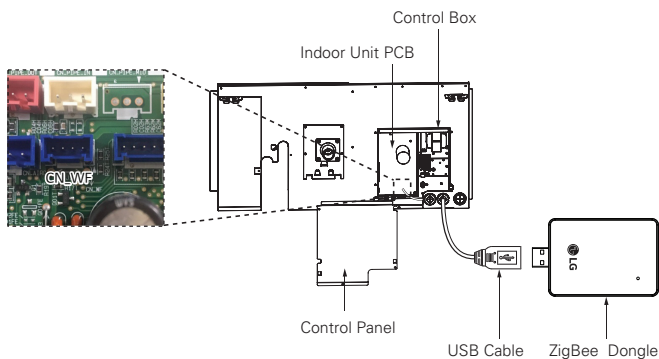


<Installation Example>

ZIGBEE DONGLE INSTALLATION

Ceiling Concealed Duct

1. Check if the indoor unit is turned off and the power of the outdoor unit is turned off.
2. Open the control box of the indoor unit.
3. Connect the USB cable to the indoor unit PCB (CN_WF).
4. Connect the ZigBee dongle to the USB cable.
5. Attach the ZigBee dongle to the ceiling tile.
(Use the included double-sided tape to fix it in place.)



<Installation Example>

ZIGBEE THERMOSTAT COMMISSIONING

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ZigBee thermostat Commissioning

- Use the USIM pin to press and hold the button in the hole of the ZigBee dongle for 3 seconds.
- The Blue LED of the ZigBee dongle blinks when commissioning start.
- Start commissioning by pressing the commissioning button on the ZigBee thermostat.
- After commissioning is completed, the Blue LED of the ZigBee dongle is turned on.

Note

- The ZigBee dongle only supports 2.4 GHz radio frequency.
- The join and bind process is included in commissioning.
- Commissioning : press button 3 seconds (commissioning timeout: 5 minutes)
- Factory reset : press button 9 seconds
- To connect to another device after commissioning, factory reset first, start commissioning
- About commissioning button of ZigBee thermostat refer to the ZigBee thermostat's manual.
- General thermostats cannot connect to ZigBee dongle.
- Features provided may vary by model.

CHECKLIST BEFORE REPORTING FAILURE

Checklist Before Reporting Failure

Symptoms	Checklist	Actions
The air conditioner is not connected on the ZigBee thermostat.	• Is the power of the air conditioner disconnected? • Is the Blue LED of ZigBee dongle turned off?	• Connect the power of the air conditioner. • Connect the power of the ZigBee thermostat.
The ZigBee dongle is not completed on commissioning.	• Is the distance between the ZigBee dongle and the ZigBee thermostat too far? • Is the ZigBee dongle any device commissioned before?	• Move the ZigBee thermostat closer to the air conditioner. • Press the button of ZigBee dongle to factory reset.

Open source software notice information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

SPECIFICATIONS

FCC Notice

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 the 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.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Industry Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

IC Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

