

Domitech

Wireless Lighting Device



# Z-wave Smart LED Light Bulb



This product speaks with other Z-Wave certified devices

## INTRODUCTION

domitech Smart Light Bulb dtA19-750-27 is a member of the Z-Wave® family and communicate with other Z-Wave® certified devices in a control network. The dt Smart Bulb can be controlled by the Z-wave remote controller or apps. Each Z-Wave device serves as a node to repeat the signal in the network, thus, extending the overall Z-Wave mesh wireless network range. Different types and brands of Z-Wave devices can be associated with domitech Smart Bulb in your system and they will work together to optimize and expand the coverage of your Z-Wave network. Once setup is completed, you can enjoy the convenience and leisure which dt Smart Bulb offers.

## FEATURES

- Built-in Z-Wave radio - can be controlled remotely and wirelessly
- Plug and play, simple setup
- Longer life and more energy efficient than incandescent or florescent light bulbs
- Instant "ON"
- Over-The-Air firmware upgrade available with compatible gateway, Z-Wave® static controller, PC and software
- Powered by Z-Wave® 500 Series module inside
- Manual reset capability

**! WARNING !**

RISK OF FIRE, ELECTRICAL SHOCK & BURNS

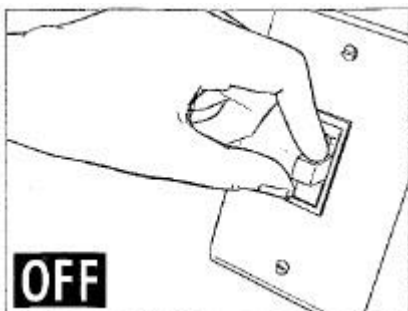
NOT FOR EMERGENCY LIGHTING

DO NOT USE WITH MEDICAL AND LIFE SUPPORT INSTRUMENT

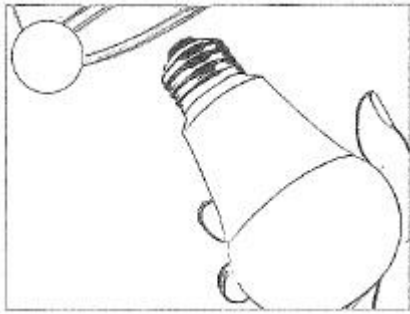
No user serviceable parts are in this module

## INCLUSION

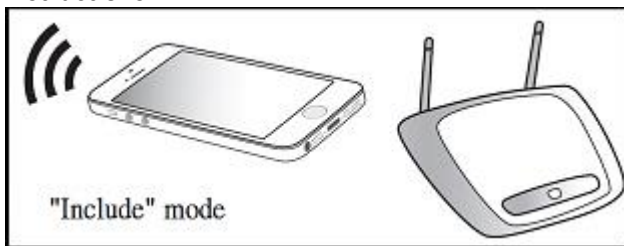
Step 1, Turn off power to the light bulb socket of your preferred location.



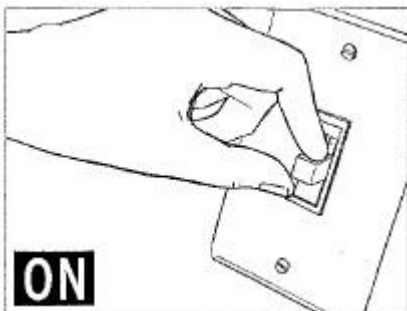
Step 2, Screw In the dt Smart Bulb into the socket



Step 3, Place your network controller into inclusion mode by following the controller manufacturer's instructions.



Step 4, Turn on power to the socket after promoted by your network controller inclusion mode. The dt Smart Bulb will be included into your network within 30 seconds. The smart bulb will flash 2 times after Inclusion is successful.

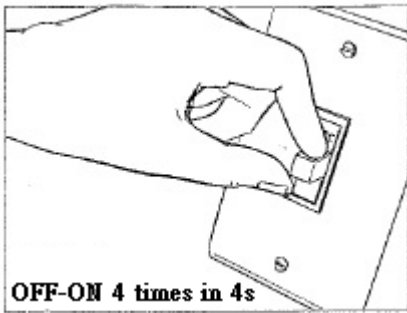


If the controller/gateway shows it was a fail, repeat the procedure.

Note: If Inclusion still fails after the 2<sup>nd</sup> attempt, you need to first RESET the dt Smart Bulb before repeating the above steps.

Before repeating the above steps, try moving the dt Smart Bulb to the bulb socket in the same room as your home gateway in case the preferred outlet is out of range initially. Repeat step 3-4 until the dt Smart Bulb is added to your network. Once the light bulb has been successfully added to your home network, you can move it to the preferred location in the home.

Manually Reset – Flick the wall switch “OFF-ON” cycle 4 times within 4 seconds (Turn OFF and turn ON will be counted as 1 “OFF-ON” cycle). The dt Smart Bulb will flash twice after Reset is successful. Use this procedure only in the event that the network primary controller is lost or otherwise inoperable.



## **BASIC OPERATION**

The dt Smart Bulb can be controlled ON/OFF/BRIGHT/DIM wirelessly with a Z-Wave remote controller or through a gateway via an app on a smart phone, tablet, or a PC.

Depending on the capability of your controller/gateway, once the dt Smart Bulb has been added to your network, you may assign it to a Group or Scene and change its status via your controller/gateway.

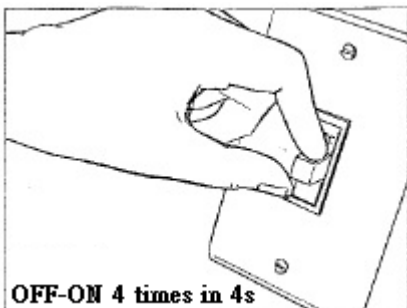
## **ASSOCIATION**

The dt Smart Bulb supports Group 1 with up to five devices for lifeline communication. Group 1 must be assigned the Node ID of the controller to which unsolicited notifications will be sent. The Z-Wave controller should set this association automatically after inclusion. Lifeline association only supports the “manual reset” event. Please refer to the instructions manual of your remote controller or gateway for detail procedures on how these function can be set.

## **EXCLUSION**

By controller - The dt Smart Bulb can be excluded from your network by your controller/Gateway. Similar to the Inclusion process, turn off power to your light bulb and place your network controller into exclusion mode by following the controller manufacturer's instructions. Once prompted by your network controller, turn ON the light switch. The dt Smart Bulb will flash twice to confirm that it has successfully been excluded from your network. Please refer to your controller/gateway instructions manual for details.

By manually – The dt Smart Bulb can be excluded manually by flicking the wall switch “OFF-ON” cycle 4 times within 4 seconds (Turn OFF and turn ON will be counted as 1 “OFF-ON” cycle). The bulb will flash twice after Reset is successful. Use this procedure only in the event that the network primary controller is lost or otherwise inoperable.



## **Dim level when the domitech Smart LED Light Bulb is turned ON**

You may select the Dim level whenever the light is turned back ON to be either full brightness (100% dim level) or be the same as the last dim setting when the light was

previously ON.

Parameter 1 Length: 1 Byte Valid Values: 0 or 1 (default = 0)

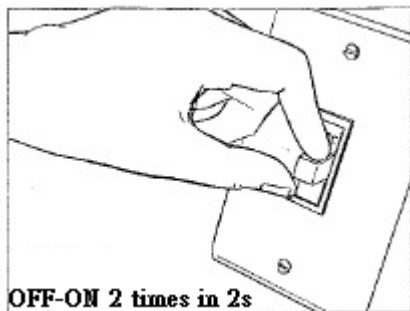
When value = 0, the brightness level will be resume to full brightness when the dt Smart Bulb is turned ON every time.

When value = 1, the brightness level will maintain same dim level as the last setting when the dt Smart Bulb is turned ON again.

### **MANUALLY TURNING ON or OFF THE LIGHT SWITCH**

When you want to manually turn ON the dt Smart Bulb whenever it is turned OFF by a program or a remote control, flick the switch twice. The first flick will cut power to the light and the 2<sup>nd</sup> flick will turn ON the light.

You may manually switch OFF the light bulb while keeping the dt Smart Bulb online in the network and function as a Z-Wave signal repeater to maintain proper mesh network. The function can be activated by flicking the wall switch "OFF-ON" cycle two times within two seconds. In other words, flick the switch four times (OFF-ON-OFF-ON). The dt Smart Bulb light will be OFF while it maintains the function as a Z-Wave signal repeater and remains online to be turned ON by program or by an app wirelessly.



### **IMPORTANT NOTE:**

Please note that it is extremely important to follow the above practice or to use ONLY your preferred wireless remote control device to turn ON or OFF the light. Without the electrical power to the light bulb, the dt Smart Bulb cannot be turned ON remotely nor function as a signal repeater to maintain proper Z-Wave network.

To avoid family members from accidentally turning OFF the power to the dt Smart Bulb, install the optional clear cover that fits over your wall switch included with your product. Please refer to the separate installation sheet.

### **About the Z-Wave 500 Series Module with Z-Wave Plus features:**

You can use a Z-Wave certified portable or static controller to communicate with the module. Depending on the capability of your controller or gateway software, the following simple to advanced operations may be performed. Please refer to the controller or gateway manual for details.

1. Add(Include) or Delete(Exclude) the dt Smart Bulb to/from your network
2. Turn On or Off the dt Smart Bulb remotely
3. Assign the dt Smart Bulb to a specific Group/Scene and/or to include the bulb as part of your ALL ON or OFF command.
4. Over-the-Air firmware update by your gateway or static controller
5. Lifeline function which automatically notifies the associated modules and the network that a manually reset device is no longer in the network, thus, the corresponding association becomes invalid

NOTE: Please note that like any other lights, the dt Smart Bulb will be OFF after a power

failure. The smart bulb will be “ON” with full brightness after the power is resumed if parameter 1 is not changed by the controller/gateway.

## **SPECIFICATIONS**

Model: dtA19-750-27

Input power: 120 VAC, 60 Hz.

Brightness: 750 lumens (Equivalent to 60Watt incandescent light bulb)

Power Consumption: 9W

Color Temperature: 2700K

Bulb Lifetime: Approx. 25,000 hours (Equivalent 22.8 years based on 3 hrs/day)

Radio frequency: 908.4 MHz / 916 MHz

Wireless range: up to 130 ft line of sight between the controller and the other available nodes.

Normal operating temperature: 77°F (25°C)

**FOR INDOOR USE ONLY**

Interoperability with Z-Wave® devices

A Z-Wave® network can integrate devices from various classes of products, and these devices can be made by different manufacturers. The domitech® product introduced in this instructions manual has a Z-Wave certification which guarantees such an interoperability.

FCC ID: 2AC4EDTA1975027

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

The 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 uses, generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. 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

Operation is subject to the following two conditions:

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

**Important Note:** To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user’s authority to operate the device.

IC: 12320A-DTA1975027

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

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

Z-Wave is a registered trademark of Sigma Designs

#### **WARRANTY**

Domitech Products warrants to the original purchaser of this product that for the warranty period, this product will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the product in accordance with installation instructions and the operating manual supplied to customer. Warranty claims must be made by customer in writing within 30 days of the manifestation of a problem. Domitech's sole obligation under the foregoing warranty is to repair, replace or correct any such defect that was present at the time of delivery, or to remove the product and to refund the purchase price to customer. The warranty does not extend to consequential or incidental damage to other products that may be used with this product. For inquiry and customer service, email to [support@domitechproducts.com](mailto:support@domitechproducts.com)

Warranty period: limited 1 year from date of purchase

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