

ZigBee LED lamp control manual

The system consists of two parts:

- Remote control
- Mesh network LED lamp node module.

Main Feature

Remote control:

- Remote control learn and pair with each lamp node.
- Each key control the corresponding lamp node.
- Adjust the corresponding lamp node brightness, adjustable range is up to 255 levels.
- Save and call the current LED lamp nodes scene(including the turn-on lamps and its brightness level).
- Reset the remote control to factory default, all learning info will be removed.

Mesh network LED lamp module:

- Learning, pairing and networking function.
- PWM LED driver output with 255 brightness levels.
- Memorize a variety of lighting scenes, call to use the lighting scenes.

Remote control key function:

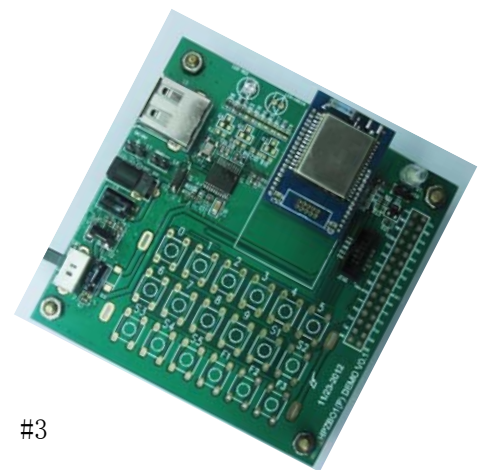
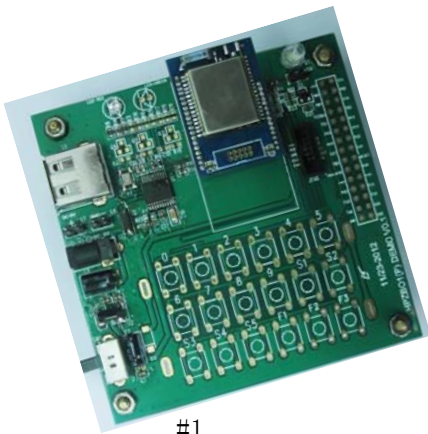
- 1. 10 digit keys , separately control 10 LED lamp nodes.**
 - press once any one of digit keys, will turn on/off the corresponding led lamp node in this mesh network.
 - press and hold any one of digit keys more than 3 seconds, the remote control enter this digit key into learning and pairing mode.
- 2. the lighting scene key S1-S5**
 - press once any one of scene keys, the led lamp nodes will be took out and perform the corresponding lighting scene in the mesh network.
 - Press and hold any one of scene keys more than 3 seconds, the led lamp nodes will save the current lighting scene status, and its Scene key number. The scene status is including the on/off, brightness level.
- 3. Dimming up key(when LED lamp is on)**
 - single press the key, the last controlled led lamp node brightness will be dimming up one level. It stops when dimming up to 255 level, won' t be rolled over to the first level.
 - press and hold this key more than one second, the last controlled led lamp node brightness will be fast forward dimming until releasing this key or reaching the MAX 255 level. It won' t be rolled over to the first level.
- 4. Dimming down key(while LED lamp is on).**
 - single press this key, the last controlled led lamp node brightness will be dimming down one level. (it will not roll over to the MAX level).
 - press and hold this key more than one seconds, then the last controlled led lamp node brightness will be fast backward dimming until releasing this key or reaching the MIN 0 level. (it will not roll over to the MAX level).
- 5. Reset to Factory key**
 - Single press this key, no any function.
 - Press and hold this key more than 3 seconds, it will cause the remote control reset to factory default setting. all the user information about the mesh network, learning and pairing and the scene status is deleted.

Indicated LED status description for Remote control and LED lamp node module

Note: RED/GREEN LED indicating function on both Remote control and LED lamp node module

Function	Red LED	Green LED
remote control default status	off	off
lamp device default status	off	on
transmit or receive zigbee signal	flashes	
remote control and lamp be paired successfully		flash 3 times
after power on remote control connect with ZigBee network(only for remote control)		flash 2 times

Reference demo

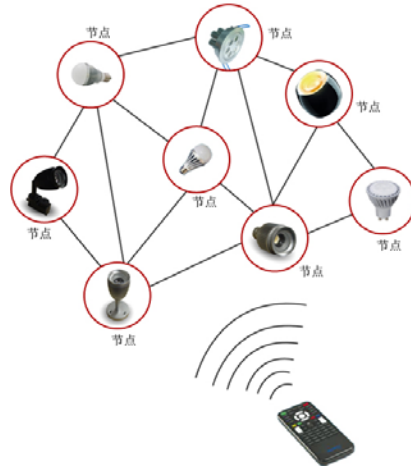


LED LAMP MODULE



Remote Control DEMO

Application



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