Bluetooth APP Control

With powerful Bluetooth 5.0 SIG Mesh Eco-system from Hytronik, we're able to fulfill the challenging requirements in all different kinds of projects. The Bluetooth products have significantly reduced the labor cost for wiring thanks to the wireless mesh networking, and the whole setup and commissioning process has been simplified with intuitive user interface of Koolmesh Bluetooth APP. With bluetooth 5.0 SIG Mesh controllers built in Dynaluxx's luminaries, users can easily do setup, grouping and commissioning via the APP. Intuitive APP interface, interoperable product portfolio, flexible configuration, versatile combined functions, rich created scenes make our luminaries broad applicability possible.

Maximum distance from the phone to the light: 6~10m

Transmission range from one light to another: 15~30m

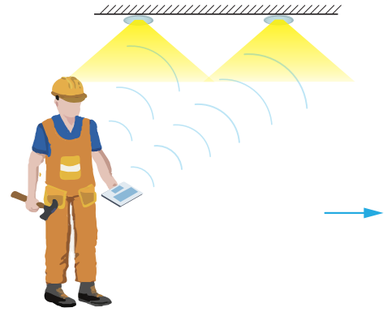
Key Features & Capabilities

- Quick setup mode & advanced setup mode
- Web app/platform for project deployment & data analysis
- Koolmesh Pro APP on iPad for on-site configuration
- Floorplan feature to simplify project planning
- Emergency report generation and diagnosis
- DALI-2 and D4i supported
- One-key device replacement
- Device social relations check
- Staircase function for quick primary & secondary setup
- Remote control via gateway support HBGW01
- Heat map
- Dynamic daylight harvest auto-adaptation
- Grouping luminaires via mesh network
- Scenes
- Dusk/Dawn photocell (Twilight function)
- Tri-level control
- Daylight harvest
- Circadian rhythm (Human centric lighting)
- Push switch configuration
- Detailed motion sensor settings
- Schedule
- Astro timer (sunrise and sunset)
- Power-on status (memory against power loss)
- Offline commissioning
- Bulk commissioning (copy and paste settings)
- Different permission levels via authority management
- Network sharing via QR code or keycode
- Interoperability with Hytronik Bluetooth product portfolio
- Compatible with EnOcean BLE switches
- Internet-of-Things (IoT) featured
- Device firmware update over-the-air (OTA)
- Continuous development in progress…

Bluetooth® 5.0 Web APP Platform & Gateway

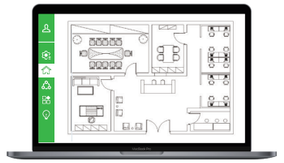
Web app platform: iot.koolmesh.com

1 The project designer applies layouts to floorplan at home.



2 The installer comes to the project site, and uploads the pre-set configuration profiles directly to the luminaires.

3 Commissioning done! All data & analysis can be viewed and manage by the project manager/owner.



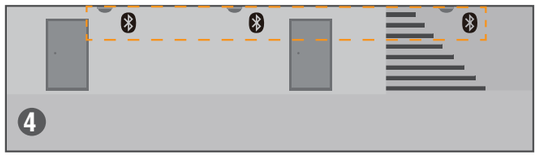
- Floor-plan
- Data & Analysis
- Internet-of-Things (IoT) featured
- Auto report generation
- Smart control for connected lighting

Occupancy Detection with Bluetooth Wireless Grouping

Group the lights and configure sensor settings on Bluetooth APP.

Lights in the same group switch on when presence is detected, and stay on preset brightness level during the motion hold-time.

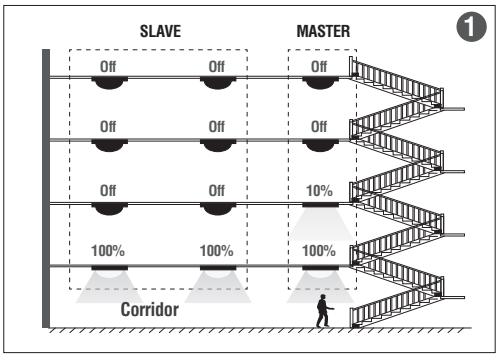
The whole group of lights dim to pre-set stand-by level after the hold time.



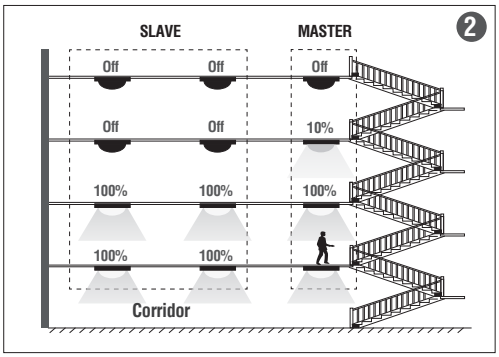
All lights switch off automatically after the stand-by period has elapsed.

FUNCTION

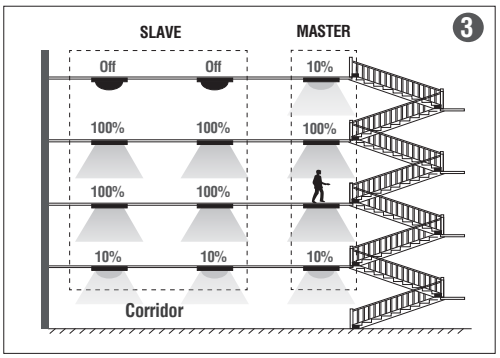
Application Example - Staircase



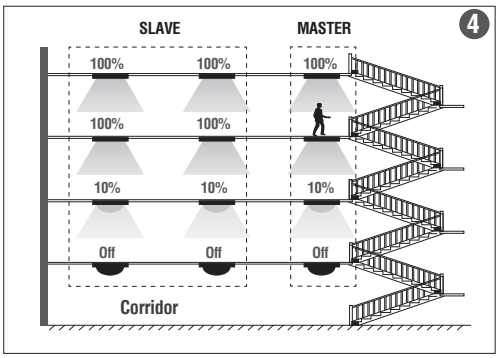
While the 1st sensor detects motion on the 1st floor, it switches the light on 100% and sends signal to all slave units. All slaves on the 1st floor turn on 100% and the master on the 2nd floor goes to stand-by level.



The person walks to the 2nd floor, the 2nd master switches the light on 100%. All slaves on the 2nd floor turn the light on 100% and the master on the 3rd floor goes to stand-by level.



When walks to the 3rd floor, the 3rd master switches the light on 100%. All slaves on the 3rd floor turn the light on 100% and the master on the 4th floor goes to stand-by level. Meanwhile, the lights on the 1st floor are dimmed to stand-by level after hold-time.



The person walks to the 4th floor, the 4th master switches the light on 100%. All slaves on the 4th floor turn the light on 100% and the next master goes to stand-by level. Meanwhile, all sensor on the 1st floor turn the light off after stand-by period, and all lights on the 2nd floor dim to stand-by level after hold-time.

To optimize typical staircase application, an exclusively simplified way of setup is accessible in the Bluetooth APP. Designers preset all the staircase pro-files in advance in the office; then all installers need to do is to synchronize the pro-files on site. Or installers themselves can set all the staircase pro-files on site to do the commissioning. Perfect replacement for RF wireless grouping!

Controller Interface

End-user can either operate on the APP, a push switch or a bluetooth touch panel.

Download free APP for set-up and commissioning

A push switch / EnOcean is usually utilized during daily operation.

Bluetooth Touch Panel