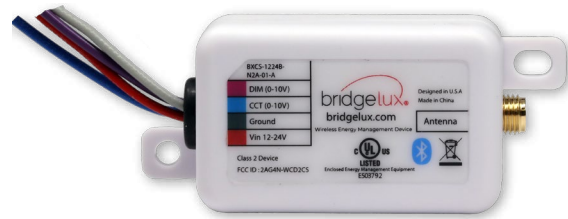


# Bluetooth Control Module & App

## Bridgelux Differentiation

- Our DNA is to solve customer problems
- 15+ years of driving lighting market transformation
- Vertically integrated global supply chain
- Strategic focus on the simplification of human centric lighting systems



## Control Module Features & Benefits

- Bluetooth Low Energy (BLE) device enables mesh networking to control and manage lighting fixtures
- Robust low profile device provides seamless wireless control of Vesta® Series tunable white arrays and modules
- Powered directly by the Bridgelux Dual Channel Driver
- Enables wireless dimming and CCT tuning control
- Compatible with additional devices including BLE/wifi gateway and motion/ambient light sensor control

## Lighting Control App Features & Benefits

- Available for iOS and Android devices
- Simplifies commissioning, grouping, and scene setting for human centric lighting and daylight harvesting
- Communicates with compatible lights to enable independent tuning of the warmth and brightness of your lights
- All connected luminaires will seamlessly communicate with each other via Bluetooth mesh technology
- Group hundreds (up to 4000) of devices together

| Parameter                   | Specification                         |
|-----------------------------|---------------------------------------|
| Connectivity Protocol       | Bluetooth Low Energy 4.2, 2.4-2.5Ghz  |
| Input Voltage               | 12-24Vdc                              |
| Control Input               | Wireless connection via Bridgelux app |
| Output to Driver            | Dual channel 0-10V (CCT & Dim)        |
| Device Security             | AES 128k encryption                   |
| Integrated Antenna          | Yes                                   |
| External Antenna Connection | SMA female/jack connector             |
| External Antenna Options    | 23" wire or adjustable stick antenna  |
| Connection Range            | Up to 40 meters                       |
| Connector Type              | Flying leads (20 AWG, 16" long)       |
| Connected Number of Devices | Up to 4000 devices per group/scene    |
| Firmware Updates            | Zero downtime Over the Air (OTA)      |
| Enclosure                   | ABS plastic, IP20                     |
| Dimensions                  | 66.7 x 29.2 x 22.4 mm                 |
| Operating Temperature       | -20 to +55°C Ambient                  |
| Lifetime                    | 50,000 hour design life               |
| Warranty                    | 5 year limited warranty               |
| Part Number                 | BXCS-1224B-N2A-01-A                   |

