



General

|                  |                 |
|------------------|-----------------|
| Product Type     | Wireless        |
| Length (mm)      | 55              |
| Width (mm)       | 55              |
| Height (mm)      | 21              |
| Housing Color    | White           |
| Housing Material | Plastic         |
| Mounting         | Surface mounted |
| Weight (g)       | 70              |

Electronics

|               |            |
|---------------|------------|
| Input Domain  | DC         |
| Input Voltage | 5 ~ 24V DC |
| Power Supply  | N/A        |

Lighting

|             |              |
|-------------|--------------|
| Color Range | Single Color |
|-------------|--------------|

Control

|               |                 |
|---------------|-----------------|
| Output Signal | 0~10V           |
| Control       | Radio Frequency |

Environmental

|                       |              |
|-----------------------|--------------|
| Operating Temperature | -30 ~ +55 °C |
| Ingress Protection    | IP20         |



IP20 5 year warranty

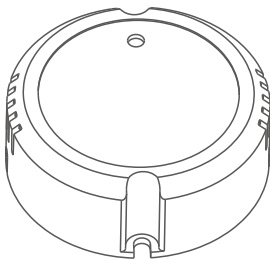
Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



## Wireless Module

Model: EBOX-AD





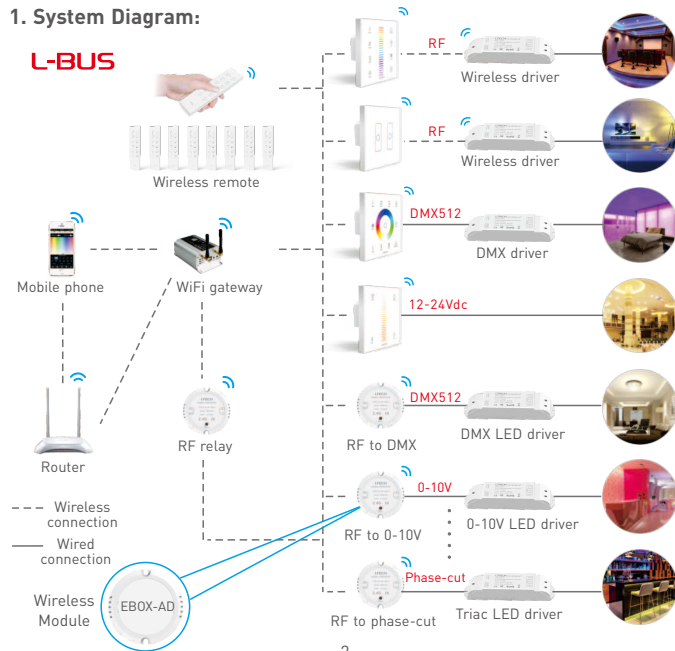






## 1. System Diagram:

**L-BUS**



EBOX-AD wireless module applies to L-BUS wireless communication protocol and converts into 0-10V signal through RF wireless communication technology, which is used with LTECH 0-10V LED driver and compatible with all 0-10V series products on the market. Relying on L-BUS wireless technology, removing complex layout and expensive technical cost, making new or retrofit projects installation easier.

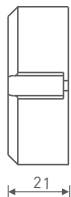
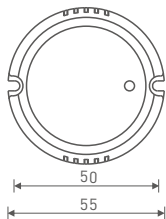
## 2. Technical Specs:

### EBOX-AD Wireless Module

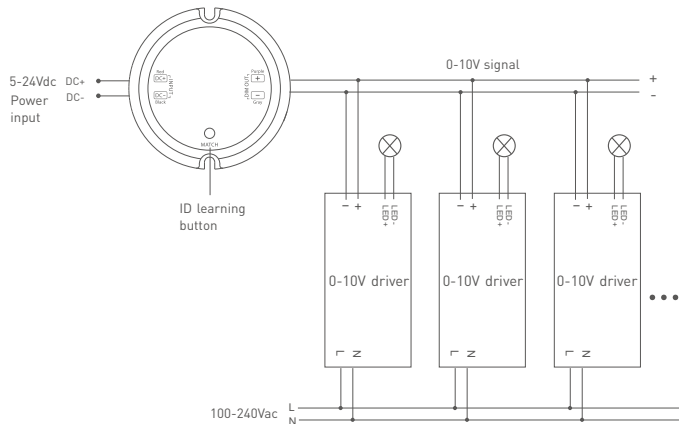
|                  |           |               |                 |
|------------------|-----------|---------------|-----------------|
| Input Voltage:   | 5~24Vdc   | Dimensions:   | L55×W55×H21(mm) |
| Output:          | 0-10V     | Package Size: | L65×W65×H26(mm) |
| Wireless Signal: | RF 2.4GHz | Weight(G.W.): | 70g             |
| Working Temp.:   | -30℃~55℃  |               |                 |

## 3. Product Size:

Unit: mm



## 4. Wiring Diagram:



## 5. Match Code and Clear Code:

### Clear Code:

Long press "ID learning button" on EBOX-AD for 6 seconds, the lamps flicker 5 times, clear code successfully.



## Match Code (power on method):

### Step 1:

EBOX-AD power off .



### Step 2:

#### Match up with F1 remote:

Hold down On/Off key on F1, meanwhile EBOX-AD power on.



#### Match up with RC4-RF-B remote:

Hold down the matching zone's On key of RC4-RF-B , meanwhile EBOX-AD power on.



#### Match up with EX1/EX5 panel:

- Long press On/Off key of the panel until all indicator light flicking.
- EBOX-AD power on, the lamps flicker slowly, please complete step C within 15s
- Press any key on EX1 panel (or the matching zone key on EX5).



#### Match up with 106 gateway:

Turn on APP, click "ZONE" key to enter "zone set" interface, click the right top "MATCH" key, then operate following the prompts.



\* Please do it when panel is power-on.

### Step 3:

The lamps of EBOX-AD flicker quickly and then stop flicking, match code successfully.

## Match Code (ID learning button method):

### Step 1:

Short press "ID learning button" on EBOX-AD, the lamps flicker, please complete step 2 within 15 seconds.



### Step 2:

#### Match up with F1 remote:

Long press On/Off key on F1.



#### Match up with RC4-RF-B remote:

Long press the matching On key on RC4-RF-B.



#### Match up with EX1/EX5 panel:

Long press On/Off key on the panel, then press any key on EX1 panel (or the matching zone key on EX5).



#### Match up with 106 gateway:

Turn on APP, click "ZONE" key to enter "zone set" interface, click the right top "MATCH" key, then operate following the prompts.



\* Please do it when panel is power-on.

### Step 3:

The lamps of EBOX-AD flicker quickly and then stop flicking, match code successfully.

\* No further notice if any changes in the manual.  
Product function depends on the goods.  
Please feel free to contact our official distributor if any question.