



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	RGBW
-------------	------

Control

Output Signal	2.4 GHz, RF
Control	Radio Frequency

Environmental

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

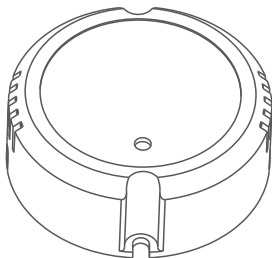
CE IP20

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 Repeater

Model: EBOX-AP



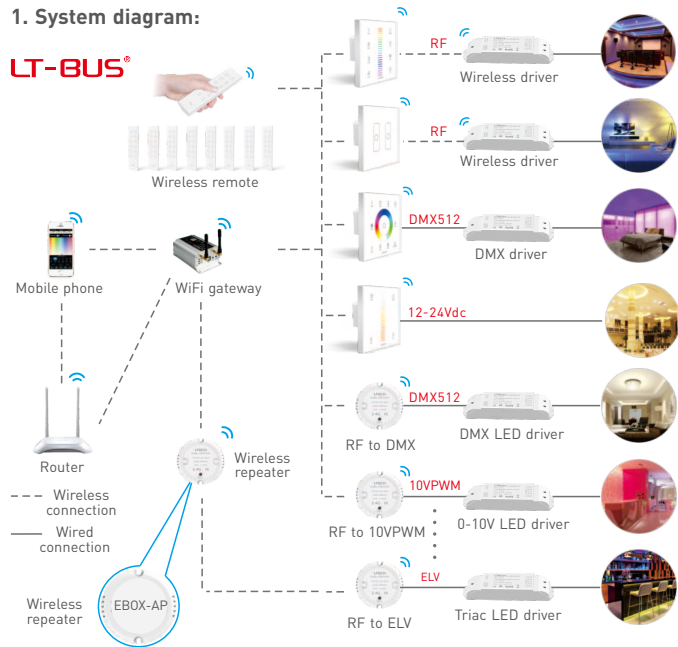
FC CE RoHS

warranty
5 years



1. System diagram:

LT-BUS®



EBOX-AP wireless repeater applies LT-BUS wireless communication protocol for wireless signal extension, it is not necessary to pair via its factory default setting, greatly ensures its stability and wide controlling area among LT-BUS wireless communication devices, removing the complex cabling procedure, to make it become more easier for new or retrofit installations.

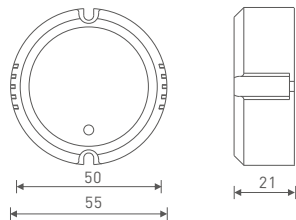
2. Technical Specs:

EBOX-AP Wireless Repeater

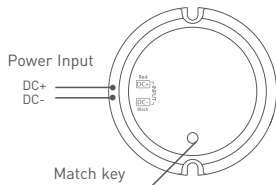
Input Voltage:	5~24Vdc	Dimensions:	L55×W55×H21(mm)
Wireless Distance:	30m (eye to eye)	Package Size:	L65×W65×H26(mm)
Wireless Signal:	RF 2.4GHz	Weight(G.W.):	70g
Working Temp.:	-30℃~55℃		

3. Product Size:

Unit: mm



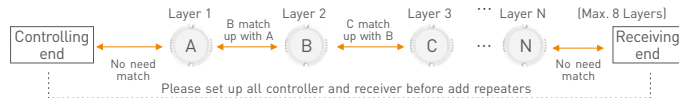
4. Terminals:



5. Learning Method:

5.1 Interlayer diagram

The repeater leaves the factory by default and can be used without learning, but only single-layer communication (the default is layer 1). For long transmission distance, a multi-level learning (up to 8 layers) is required. For example:

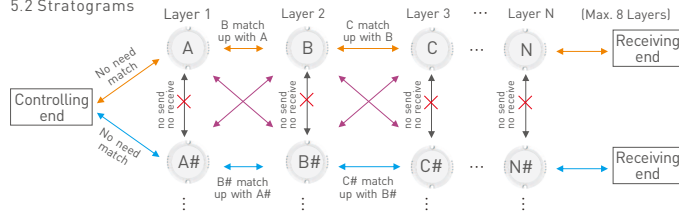


Interlayer learning method (e.g.: B match up with A)

Long press the match key of B repeater for about 3 seconds until the internal indicator light flashes, and press A's match key within 10 seconds. At this time, B repeater's indicator lights keep on after flash 3 times, match successfully. The other layers learn the same way.

Clear ID code: Long press "match key" for 6s, the indicator light flicker 5 times slowly, clear code successfully.

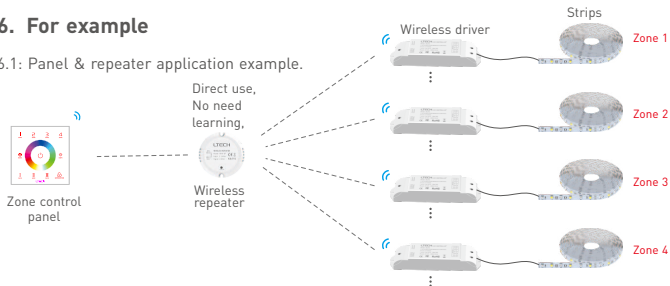
5.2 Stratograms



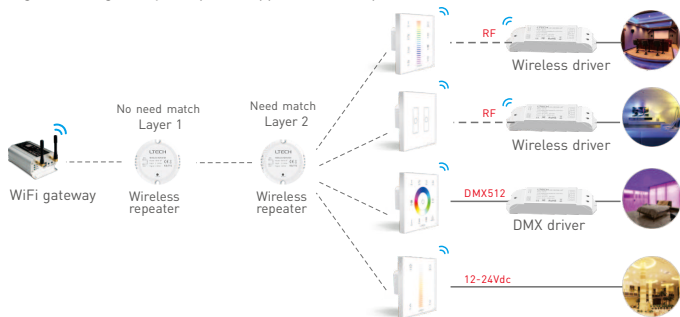
A repeater between adjacent layers can form a network communication.

6. For example

6.1: Panel & repeater application example.



E.g 6.2: WiFi gateway & repeater application example.



6.3 Multi-panel control application example.

