Wireless Module

Model: EBOX-TD

FC CE RoHS warranty 5 years SGS ISO9001:2008

1

1. System Diagram:

L-BUS

RF — Wireless driver

RF — Wireless driver

DMX512 — DMX driver

12-24Vdc

Wireless remote

Mobile phone

WiFi gateway

DMX512 — DMX LED driver

RF to DMX

0-10V — 0-10V LED driver

RF to 0-10V

Router

RF relay

Phase-cut — Triac LED driver

RF to phase-cut

- - - Wireless connection

——— Wired connection
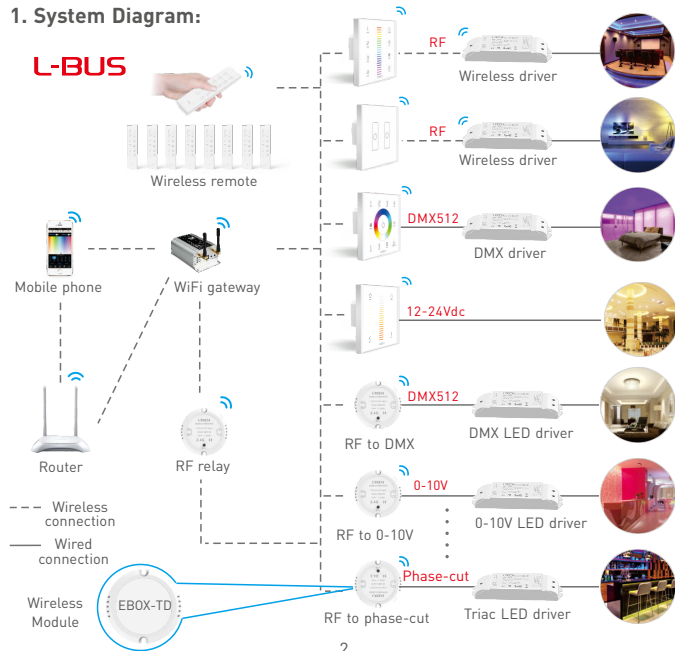
Wireless Module   EBOX-TD

2

EBOX-TD wireless module applies L-BUS wireless communication protocol and converts it into trailing edge dimming signal through RF wireless communication technology, which is used together with LTECH Triac LED driver and compatible with all Triac series products in the market. Rely on L-BUS wireless technology application, it has removed the complex cabling procedure and expensive technical commissioning fee, to make it more easier for new or retrofit installations.
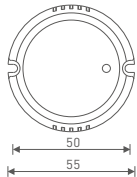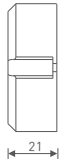
2. Technical Specs:

EBOX-TD Wireless Module

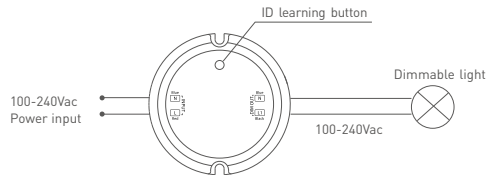|			
Input Voltage:	100~240Vac	Working Temp.:	Ta: -30℃~55℃ Tc: 65℃
Frequency Range:	50/60Hz	Dimensions:	L55×W55×H21(mm)
Wireless Signal:	RF 2.4GHz	Package Size:	L65×W65×H26(mm)
Dimming Mode:	Trailing edge (ELV)	Weight(G.W.):	70g
Working Current:	Max. 1.2A		
Load Power:	Incandescent lamp or high-voltage halogen lamp: 100W(100V), 200W(200V) Dimming LEDs: Max. 150W		

3. Product Size:
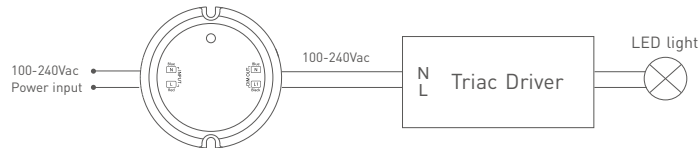
Unit: mm

50
55

21

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4. Wiring Diagram:

4.1 Connect to lamps:

ID learning button

100-240Vac
Power input

Dimmable light

100-240Vac

4.2 Connect to drivers:

100-240Vac
Power input

100-240Vac

N
L Triac Driver

LED light

E.g.:

5. Match Code and Clear Code:

Match Code (ID learning button method):

Step 1:

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

ID learning button

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 zone's 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-TD flicker quickly and then stop flicking, match code successfully.

Match Code (power on method):

Step 1:

EBOX-TD power off.

Step 2:

Match up with F1 remote:
Hold down On/Off key on F1, meanwhile EBOX-TD power on .

Match up with RC4-RF-B remote:
Hold down the matching zone's On key of RC4-RF-B , meanwhile EBOX-TD power on .

Match up with EX1/EX5 panel:
A. Long press On/Off key of the panel until all indicator light flicking.
B. EBOX-TD power on , the lamps flicker slowly, please complete step C in 15s.
C. press any key on EX1 panel (or the matching zone key on EX5).
※ Please do it when panel is power-on.

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.

Step 3:

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

Clear Code:

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

ID learning button

6. Warranty Agreement:

6.1 We provide lifelong technical assistance with this product:
● A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
● For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.

6.2 Warranty exclusions below:
● Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
● The product appears to have excessive physical damage.
● Damage due to natural disasters and force majeure.
● Warranty label, fragile label and unique barcode label have been damaged.
● The product has been replaced by a brand new product.

6.3 Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

6.4 Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

※ 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.