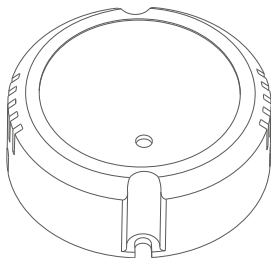


Wireless Module

Model: EBOX-DMX-PRO



FC CE RoHS (5-Year Warranty)

Product Introduction

EBOX-DMX-PRO wireless module applies to L-BUS wireless communication protocol and converts it to DMX512 signal through RF wireless communication technology, which can work with LTECH DMX512 LED dimmable drivers and is compatible with all DMX products in the market. Relying on L-BUS wireless technology application, it has removed the complex cabling procedure and expensive technical commissioning fees, which makes it become more easier for new or retrofit installation.

Technical Specs

Input Voltage: 5-24Vdc

Output Signal: DMX512

Wireless Signal: RF 2.4GHz

Zones: 16

DMX Channels: 1-512

Working Temp.: -30°C~55°C

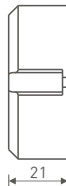
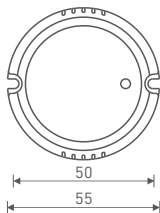
Dimensions (L×W×H): 55×55×21mm

Package Size (L×W×H): 65×65×26mm

Weight (G.W.): 70g

Product Size

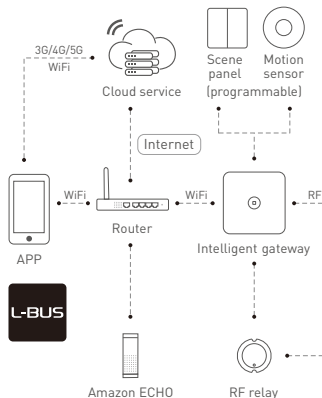
Unit: mm



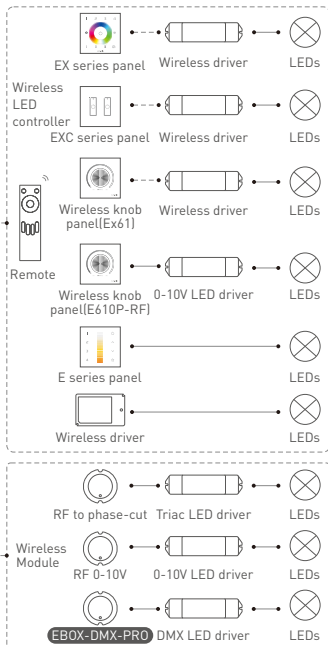
LTECH

System Diagram

L-BUS



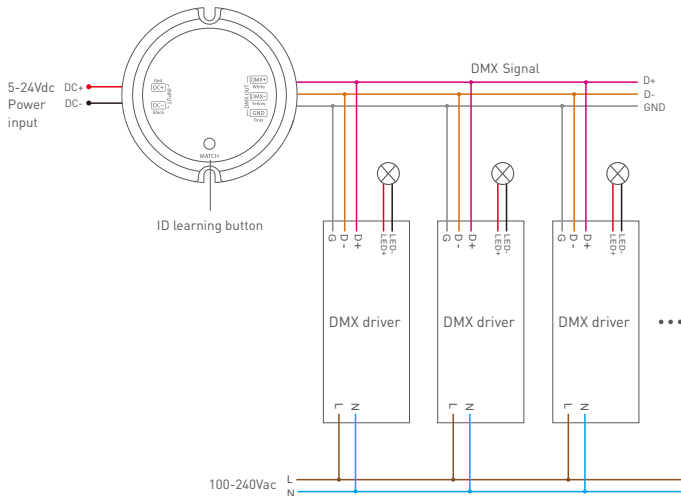
EBOX-DMX-PRO Wireless Module



— Wireless connection
- - - Wired connection

Input wire: 18AWG / 0.75^a

Output wire: 20AWG / 0.5^a

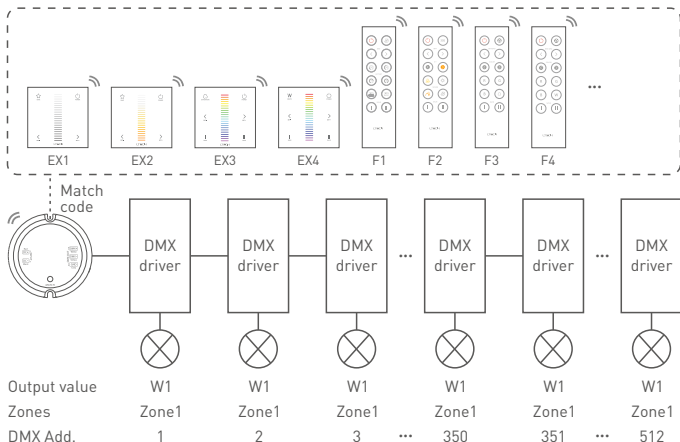


Single-Zone Control

When single-zone devices are paired up, each zone can be controlled separately. (Please remove the paired single-zone devices before you pair up again)

Single-zone devices: EX1/EX2/EX3/EX4/F1/F2/F3/F4

* If you pair a multi-zone device with the module under the single-zone control, the zone you pair for the module works only and other zones of this multi-zone device couldn't work and control the module.



* Please refer to P7 "DMX Channel Output Table" for DMX addressing on DIM, CT, RGB, RGBW, RGBWY.

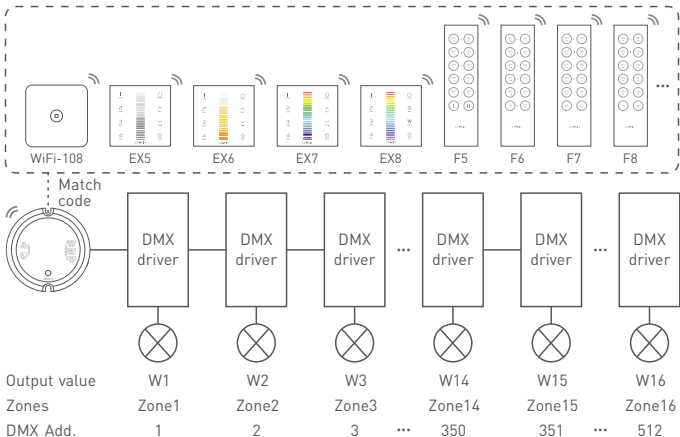
Multi-Zone Control

1. When 4-zone devices are paired up, you are allowed to control 4 zones simultaneously or to control each zone individually. (Please remove the paired 4-zone devices before you pair up again).

4-zone devices: EX5/EX6/EX7/EX7S/EX8/EX8S/F5/F6/F7/F8/Q1/Q2/Q4/Q5/RC4

2. When the master controllers are paired up, you are allowed to control 16 zones simultaneously or to control each zone individually. (Please remove the paired master controller before you pair up again). Master controller: WiFi-106 / WiFi-108

* If you pair a single-zone device with the module under the multi-zone control, the first zone your pair works only and other zones couldn't work and control the module.



* Please refer to P8-P9 "DMX Channel Output Table" for DMX addressing on DIM, CT, RGB, RGBW, RGBWY.

DMX Channel Output Table for Single-Zone Control

A DIM fixture takes up 1 channel. CT(standard) and CT(default) fixtures takes up 2 channels respectively. A RGB fixture takes up 3 channels, RGBW for 4 channels and RGBWY for 5 channels, as shown below in the table.

DMX Add. \ Type Zone	DIM	CT(standard)	CT(default)	RGB	RGBW	RGBWY
1	W1	C1	BRT1	R1	R1	R1
2	W1	W1	CW1	G1	G1	G1
3	W1	C1	BRT1	B1	B1	B1
4	W1	W1	CW1	R1	W1	W1
5	W1	C1	BRT1	G1	R1	Y1
6	W1	W1	CW1	B1	G1	R1
7	W1	C1	BRT1	R1	B1	G1
8	W1	W1	CW1	G1	W1	B1
9	W1	C1	BRT1	B1	R1	W1
10	W1	W1	CW1	R1	G1	Y1
11	W1	C1	BRT1	G1	B1	R1
12	W1	W1	CW1	B1	W1	G1
13	W1	C1	BRT1	R1	R1	B1
14	W1	W1	CW1	G1	G1	W1
15	W1	C1	BRT1	B1	B1	Y1
16	W1	W1	CW1	R1	W1	R1
17	W1	C1	BRT1	G1	R1	G1
18	W1	W1	CW1	B1	G1	B1
19	W1	C1	BRT1	R1	B1	W1
20	W1	W1	CW1	G1	W1	Y1
...	...	...	...	...	...	...
510	W1	W1	CW1	B1	G1	Y1
511	W1	C1	BRT1	/	B1	/
512	W1	W1	CW1	/	W1	/

DMX Channel Output Table for 4-Zone Control

Every 4 addresses of a DIM fixture circulate in four zones. Every 8 addresses of CT[standard] and CT[default] fixtures circulate in four zones. Every 12 addresses of a RGB fixture circulate in four zones. Every 16 addresses of a RGBW fixture circulate in four zones. Every 20 addresses of a RGBWY fixture circulate in four zones, as shown below in the table.

* When you pair with the master controller under 4-Zone control: pair 1-4 zones of the master controller and the module controls 1-4 zones; pair 5-8 zones and the module controls 5-8 zones; pair 9-12 zones and the module controls 9-12 zones; pair 13-16 zones and the module controls 13-16 zones;

DMX Add.	Type Zone	DIM	CT[standard]	CT[default]	RGB	RGBW	RGBWY
1		W1	C1	BRT1	R1	R1	R1
2		W2	W1	CW1	G1	G1	G1
3		W3	C2	BRT2	B1	B1	B1
4		W4	W2	CW2	R2	W1	W1
5		W1	C3	BRT3	G2	R2	Y1
6		W2	W3	CW3	B2	G2	R2
7		W3	C4	BRT4	R3	B2	G2
8		W4	W4	CW4	G3	W2	B2
9		W1	C1	BRT1	B3	R3	W2
10		W2	W1	CW1	R4	G3	Y2
11		W3	C2	BRT2	G4	B3	R3
12		W4	W2	CW2	B4	W3	G3
13		W1	C3	BRT3	R1	R4	B3
14		W2	W3	CW3	G1	G4	W3
...		...	...	...	...	...	...
502		W2	W3	CW3	R4	G4	B4
503		W3	C4	BRT4	G4	B4	W4
504		W4	W4	CW4	B4	W4	Y4
...		...	...	...	/	...	/
510		W2	W3	CW3	/	G4	/
511		W3	C4	BRT4	/	B4	/
512		W4	W4	Cw4	/	W4	/

DMX Channel Output Table for 16-Zone Control

Every 16 addresses of a DIM fixture circulate in 16 zones. Every 32 addresses of CT(standard) and CT(default) fixtures circulate in 16 zones. Every 48 addresses of a RGB fixture circulate in 16 zones. Every 64 addresses of a RGBW fixture circulate in 16 zones. Every 80 addresses of a RGBWY fixture circulate in 16 zones, as shown below in the table.

DMX Add. \ Type Zone	DIM	CT(standard)	CT(default)	RGB	RGBW	RGBWY
1	W1	C1	BRT1	R1	R1	R1
2	W2	W1	CW1	G1	G1	G1
3	W3	C2	BRT2	B1	B1	B1
4	W4	W2	CW2	R2	W1	W1
5	W5	C3	BRT3	G2	R2	Y1
6	W6	W3	CW3	B2	G2	R2
7	W7	C4	BRT4	R3	B2	G2
8	W8	W4	CW4	G3	W2	B2
9	W9	C5	BRT5	B3	R3	W2
10	W10	W5	CW5	R4	G3	Y2
11	W11	C6	BRT6	G4	B3	R3
12	W12	W6	CW6	B4	W3	G3
13	W13	C7	BRT7	R5	R4	B3
14	W14	W7	CW7	G5	G4	W3
15	W15	C8	BRT8	B5	B4	Y3
...	...	...	...	...	...	...
479	W3	C16	BRT16	G16	B8	W16
480	W4	W16	CW16	B16	W8	Y16
...	...	...	...	/	...	/
499	W3	C2	BRT2	/	B13	/
500	W16	W2	CW2	/	W13	/
...	...	...	...	/	...	/
511	W15	C16	BRT16	/	B16	/
512	W16	W16	CW16	/	W16	/

Match Code (ID learning button method)

Step 1:

Short press "ID learning button" on EBOX-DMX-PRO, the lamp flashes.
Please complete step 2 within 15 seconds.



Step 2:

Match code with F series remotes:

Single zone remote:

Long press On/Off key on the remote.

Multi-zone remote:

Long press the matching zone's
ON & OFF keys simultaneously.



Match code with RC4-RF-B remote:

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



Match code with EX series panels:

Single zone panel:

Long press On/Off key, then press any key.

Multi-zone panel:

Long press On/Off key, then press the
matching zone key.



Match code with WiFi-108 gateway:

Turn on the L-BUS APP, enter "Zone
Settings" interface and click "MATCH"
key in the upper right corner, then
follow the prompts.



Scan and download the APP:



* Above operations work only when panels are power-on.

Step 3:

The lamps of EBOX-DMX-PRO flash fast and then stop flashing, then match code successfully.

Match Code {power on method}

Step 1:

Power off EBOX-DMX-PRO.



Step 2:

Match code with F series remotes:

Single zone remote: Hold down On/Off key, meanwhile EBOX-DMX-PRO power on.

Multi-zone remote: Hold down the matching zone's On & Off keys simultaneously, meanwhile EBOX-DMX-PRO power on.



Match code with RC4-RF-B remote:

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



Match code with EX series panels:

A. Single zone panel: Long press ON/OFF key until all indicator lights flash.

Multi-zone panel: Long press ON/OFF key until all zone's indicator lights flash.

B. EBOX-DMX-PRO power on, the lamp flashes slowly. Please complete step C within 15s.

C. Single zone panel: press any key on panel.

Multi-zone panel: press the matching zone key.



Match code with WiFi-108 gateway:

Turn on the L-BUS APP, enter "Zone Settings" interface and click "MATCH" key in the upper right corner, then follow the prompts.



* Above operations work only when panels are power-on.

Step 3:

The lamps of EBOX-DMX-PRO flash fast and then stop flashing, then match code successfully.

Wireless Module Clear Code

Long press ID learning button on EBOX-DMX-PRO for 6 seconds , the lamp of EBOX-DMX-PRO flashes, then release the button and successfully clear code.



Wireless Module Color Temperature Switch

CT(standard) mode and CT(default) mode switch to each other:

Long press ID learning button on EBOX-DMX-PRO for 10 seconds, the lamp of EBOX-DMX-PRO puts out, then release the button and switch successfully.

* The factory default mode is CT(default).



* This manual is subject to changes without further notice. Product functions depend on the goods.
Please feel free to contact our official distributors if you have any question.

Warranty Agreement

- Warranty periods from the date of delivery : 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

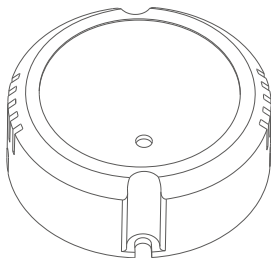
Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

- 1.Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
- 2.LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

无线模組

型号: EBOX-DMX-PRO



FC CE RoHS [质保5年]

产品描述

EBOX-DMX-PRO无线模组应用L-BUS无线通信协议，通过RF无线通信技术转换成DMX512信号，与雷特DMX512 LED驱动器配套使用，并兼容市面上所有标准接口的DMX产品。在L-BUS无线技术应用下，免去了复杂布线及昂贵的技术调试，并使得新施工或改建安装都变得如此简单。

技术参数

输入电压: 5-24Vdc

输出信号: DMX512

无线类型: RF 2.4GHz

分区数量: 16

DMX通道数: 1-512

工作温度: -30°C~55°C

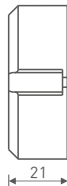
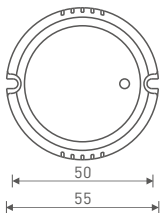
产品尺寸: L55×W55×H21(mm)

包装尺寸: L65×W65×H26(mm)

重量(毛重): 70克

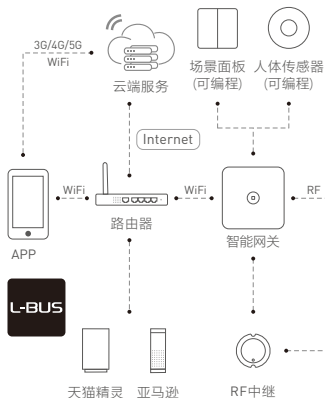
产品尺寸

单位: mm

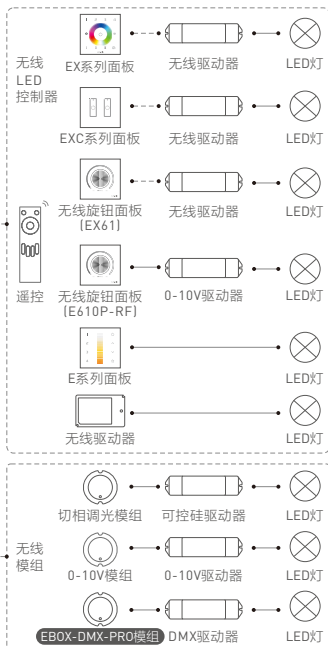


系统图

L-BUS



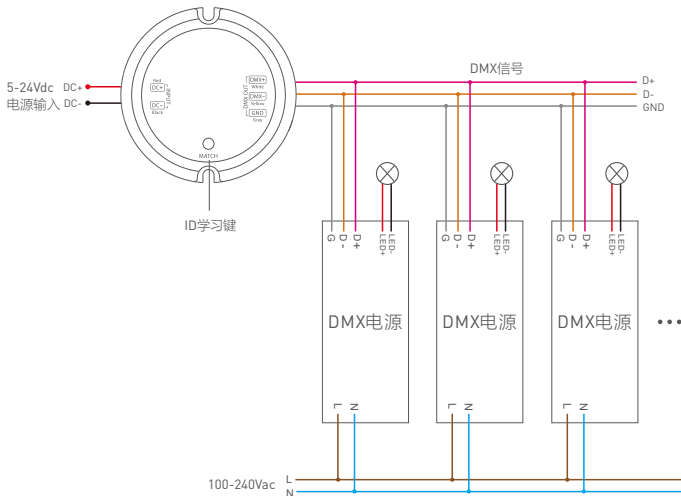
—— 有线连接
- - - 无线连接



连线图

输入线径: 18AWG/0.75²

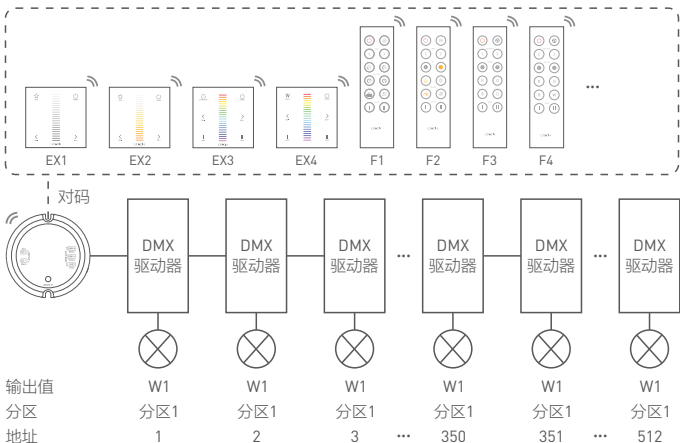
输出线径: 20AWG/0.5²



单区控制

当与单区设备首次对码成功后（即清码后首次对码成功），则为单区控制。（单区设备：EX1/EX2/EX3/EX4/F1/F2/F3/F4等）。

***** 如在单区控制下学习多区设备，则多区设备仅当前学习的分区控制无线模组有效，其他分区控制无效。

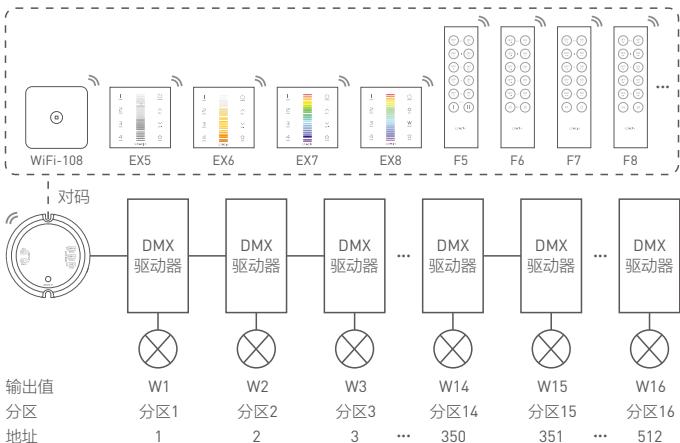


***** 以此类推，DIM、CT、RGB、RGBW、RGBWY等类型的DMX地址编写请查看P7“DMX通道输出表”。

多区控制

1. 当与4分区设备首次对码成功后（即清码后首次对码成功），则为4分区控制。（4分区设备：EX5/EX6/EX7/EX7S/EX8/EX8S/F5/F6/F7/F8/Q1/Q2/Q4/Q5/RC4等）
2. 当与主控设备首次对码成功后（即清码后首次对码成功），则为16分区控制。（16分区设备：WiFi-106、WiFi-108）

* 如在多区控制下学习单区设备，则单区设备控制无线模组的第一分区有效，控制其他分区无效。



* 以此类推，DIM、CT、RGB、RGBW、RGBWY等类型的DMX地址编写请查看P8-P9“DMX通道输出表”。

DMX通道输出表——单区控制

DIM每个通道输出占1个地址，CT(常规)和CT(整合)每个通道输出占2个地址，RGB每个通道输出占3个地址，RGBW每个通道输出占4个地址，RGBWY每个通道输出占5个地址。按以下图表示意，以此类推。

地址	类型 分区	DIM	CT(常规)	CT(整合)	RGB	RGBW	RGBWY
1		W1	C1	BRT1	R1	R1	R1
2		W1	W1	CW1	G1	G1	G1
3		W1	C1	BRT1	B1	B1	B1
4		W1	W1	CW1	R1	W1	W1
5		W1	C1	BRT1	G1	R1	Y1
6		W1	W1	CW1	B1	G1	R1
7		W1	C1	BRT1	R1	B1	G1
8		W1	W1	CW1	G1	W1	B1
9		W1	C1	BRT1	B1	R1	W1
10		W1	W1	CW1	R1	G1	Y1
11		W1	C1	BRT1	G1	B1	R1
12		W1	W1	CW1	B1	W1	G1
13		W1	C1	BRT1	R1	R1	B1
14		W1	W1	CW1	G1	G1	W1
15		W1	C1	BRT1	B1	B1	Y1
16		W1	W1	CW1	R1	W1	R1
17		W1	C1	BRT1	G1	R1	G1
18		W1	W1	CW1	B1	G1	B1
19		W1	C1	BRT1	R1	B1	W1
20		W1	C1	BRT1	R1	B1	W1
...		...	...	...	...	...	...
510		W1	W1	CW1	B1	G1	Y1
511		W1	C1	BRT1	/	B1	/
512		W1	W1	CW1	/	W1	/

DMX通道输出表——4分区控制

DIM每4个地址循环4个分区，CT(常规)和CT(整合)每8个地址循环4个分区，RGB每12个地址循环4个分区，RGBW每16个地址循环4个分区，RGBWY每20个地址循环4个分区。按以下图表示意，以此类推。

* 如无线模组在4分区控制下，配对主控时：学习1-4分区，则控制主控的1-4分区；学习5-8分区，则控制主控的5-8分区；学习9-12分区，则控制主控的9-12分区；学习13-16分区，则控制主控的13-16分区。

地址 \ 类型 分区	DIM	CT(常规)	CT(整合)	RGB	RGBW	RGBWY
1	W1	C1	BRT1	R1	R1	R1
2	W2	W1	CW1	G1	G1	G1
3	W3	C2	BRT2	B1	B1	B1
4	W4	W2	CW2	R2	W1	W1
5	W1	C3	BRT3	G2	R2	Y1
6	W2	W3	CW3	B2	G2	R2
7	W3	C4	BRT4	R3	B2	G2
8	W4	W4	CW4	G3	W2	B2
9	W1	C1	BRT1	B3	R3	W2
10	W2	W1	CW1	R4	G3	Y2
11	W3	C2	BRT2	G4	B3	R3
12	W4	W2	CW2	B4	W3	G3
13	W1	C3	BRT3	R1	R4	B3
14	W2	W3	CW3	G1	G4	W3
...	...	...	...	...	...	...
502	W2	W3	CW3	R4	G4	B4
503	W3	C4	BRT4	G4	B4	W4
504	W4	W4	CW4	B4	W4	Y4
...	...	...	...	/	...	/
510	W2	W3	CW3	/	G4	/
511	W3	C4	BRT4	/	B4	/
512	W4	W4	CW4	/	W4	/

DMX通道输出表——16分区控制

DIM每16个地址循环16个分区，CT(常规)和CT(整合)每32个地址循环16个分区，RGB每48个地址循环16个分区，RGBW每64个地址循环16个分区，RGBWY每80个地址循环16个分区。按以下图表示意，以此类推。

地址 \ 类型 分区	DIM	CT(常规)	CT(整合)	RGB	RGBW	RGBWY
1	W1	C1	BRT1	R1	R1	R1
2	W2	W1	CW1	G1	G1	G1
3	W3	C2	BRT2	B1	B1	B1
4	W4	W2	CW2	R2	W1	W1
5	W5	C3	BRT3	G2	R2	Y1
6	W6	W3	CW3	B2	G2	R2
7	W7	C4	BRT4	R3	B2	G2
8	W8	W4	CW4	G3	W2	B2
9	W9	C5	BRT5	B3	R3	W2
10	W10	W5	CW5	R4	G3	Y2
11	W11	C6	BRT6	G4	B3	R3
12	W12	W6	CW6	B4	W3	G3
13	W13	C7	BRT7	R5	R4	B3
14	W14	W7	CW7	G5	G4	W3
15	W15	C8	BRT8	B5	B4	Y3
...	...	...	...	...	...	...
479	W3	C16	BRT16	G16	B8	W16
480	W4	W16	CW16	B16	W8	Y16
...	...	...	...	/	...	/
499	W3	C2	BRT2	/	B13	/
500	W16	W2	CW2	/	W13	/
...	...	...	...	/	...	/
511	W15	C16	BRT16	/	B16	/
512	W16	W16	CW16	/	W16	/

按键对码方法

第 1 步:

短按EBOX-DMX-PRO上的ID学习键，负载灯闪烁，请在15秒内完成第2步操作。



第 2 步:

对码F系列遥控:

单区遥控: 长按遥控器上的开关键

多区遥控: 同时长按所需分区的ON、OFF键。



对码RC4-RF-B遥控器:

长按遥控的对应分区ON键。



对码EX系列面板:

单区面板: 长按面板的开关键，
再按滑条或任意键。

多区面板: 长按面板的开关键，
再按所需的分区键。



对码网关:

打开L-BUS APP，进入分区设置界面，
点击右上角的 "MATCH" 按键，
按照APP上的提示进行操作。



扫描二维码下载APP:



***** 请在面板开机状态时操作。

第 3 步:

EBOX-DMX-PRO负载灯快闪后停止闪烁，对码成功。

上电对码方法

第 1 步:

EBOX-DMX-PRO断电。



第 2 步:

对码F系列遥控:

单区遥控: 按下开关不松手,
EBOX-DMX-PRO上电。

多区遥控: 同时按下所需分区ON、OFF键
不松手。EBOX-DMX-PRO上电。



对码RC4-RF-B遥控器:

按下遥控的对应分区ON键不松手,
EBOX-DMX-PRO上电。



对码EX系列面板:

A、单区面板: 长按面板的开关键,
直到所有指示灯闪烁;

多区面板: 长按面板的开关键, 直到
面板所有分区指示灯闪烁;



B、EBOX-DMX-PRO上电, 此时负载灯慢闪,
请在15秒内完成以下操作;

C、单区面板: 按面板上的色环/滑条或任意键;
多区面板: 短按所需的分区键;

* 请在面板开机状态时操作。

对码网关:

打开L-BUS APP, 进入分区设置界面,
点击右上角的 "MATCH" 按键,
按照APP上的提示进行操作。



第 3 步:

EBOX-DMX-PRO负载灯快闪后停止闪烁, 对码成功。

无线模组清码

长按EBOX-DMX-PRO上的ID学习键6秒，负载灯闪烁，此时松开按键，清码成功。



无线模组色温切换

CT (常规) 模式与CT (整合) 模式切换：长按EBOX-DMX-PRO上的ID学习键10秒，EBOX-DMX-PRO负载灯熄灭，此时松开按键，切换成功。

* 出厂默认模式为CT (整合)。



* 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。
如有疑问，欢迎向我司授权的经销商咨询。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

- 已经超出保修服务期；
- 过高电压、超负载、操作不当等人为造成的损坏；
- 产品外形严重损坏或变形；
- 自然灾害以及人力不可抗拒原因造成的损坏；
- 产品保修标签和产品唯一条形码损坏；
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿，除非在适用法律范围之内。
2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。