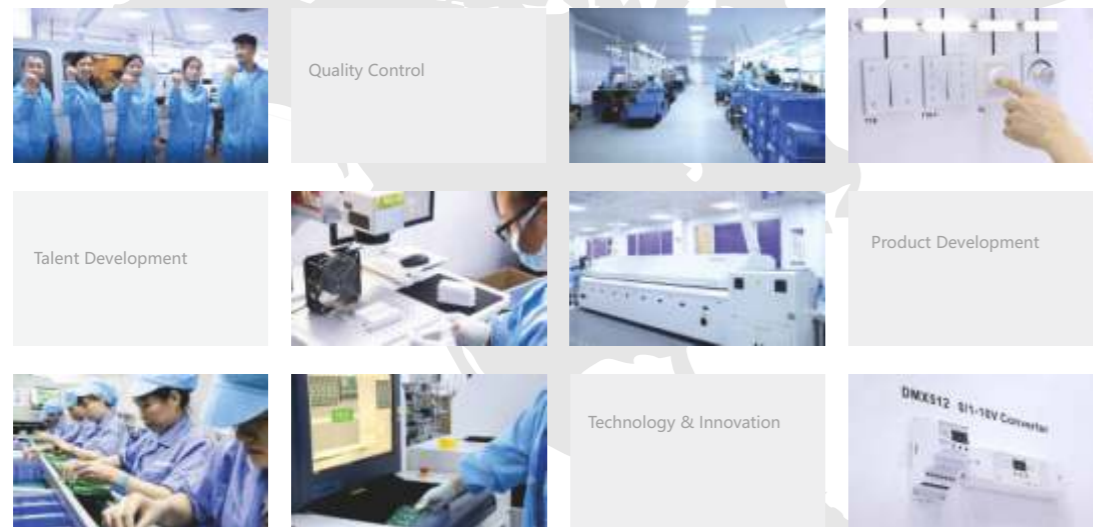


SHENZHEN BOXINQI TECHNOLOGY CO.,LTD.



LIGHTING CONTROL SYSTEM



- Wireless
- DMX512
- TRIAC
- DALI
- 0/1-10V
- Sensor

Tel +86 0755-89582548

Email: zoe@boqiled.com

Website www.boqiled.com

Add: 206 Block 2B Dacheng Industry Zone, Jihua Rd Longgang District SZ 518112, China



# Full Range of Lighting Control Systems

- Dimming Series
- CCT Series
- RGB Series
- RGBW Series
- RGB+CCT Series
- Tuya Wi-Fi&Zigbee&Bluetooth Series
- Sensor Series
- DMX512 Series
- TRIAC Series
- 0/1-10V Series
- DALI Series
- Power Amplifier Series



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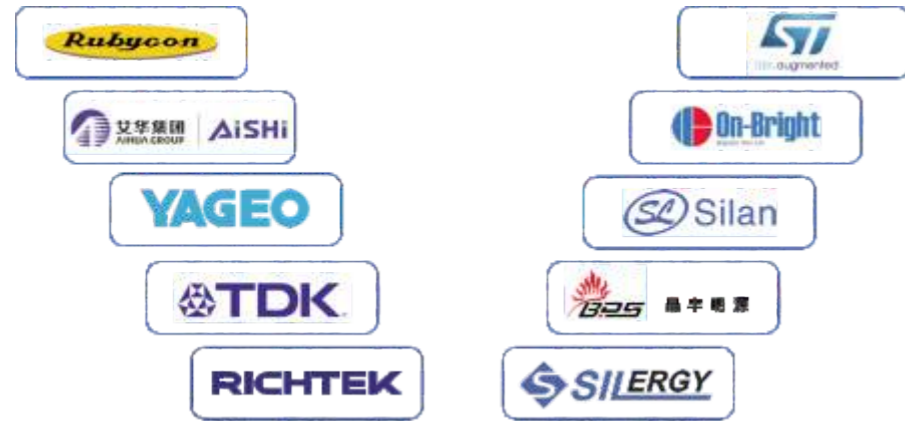
## Company Profile

Shenzhen Boxinqi Technology Co., Ltd is founded in 2007. We are specialized in the research and development of Lighting Control systems. We insist to use the highest quality parts and strict quality control techniques to ensure the reliability and long life of our products; we take pride in designing each product with the goal of providing the best lighting-controlling performance possible applications and customers' requirements in its price range. We develop and grow our line of LED drivers based on the field.

boqi is the brand of Boxinqi Ltd.

boqi is dedicated to producing a variety of LED controlling options, including RF systems, Dimmable LED drivers, DMX512 systems, AC TRIAC systems, 0/1-10V dimmers, power repeaters, WiFi Controller, Converters, etc. Our products are compatible with systems of Lutron, Philips, Osram, Dynalite, Schneider, ABB, Leviton, JUNG, Berker, etc. With customers all over the world, we actively explore new ideas in architectural, residential, commercial, and industrial lighting control.

In the future, Boxinqi will make more significant investments for being able to offer products, which are with more advanced technology, higher performance, reliability, and a variety of selections for LED applications. With our outstanding design, R&D team, and supports from our own factory, there are more and more models to be your selections.



## Fully Certified Quality Assurance



### 5 YEARS WARRANTY

In the process of R&D and manufacturing, boqi apply advanced science technology, rigorous manufacturing skills and perfect quality management system, we obtained TUV, CE, RoHs, CB, SAA, etc authoritative quality system certificates and product certificates. We always attach importance to the quality control of our products, and regard quality as the lifeline of the company. Over the past period, we have been consistently providing customers with industry-leading quality, stable and reliable products, and striding forward to a zero-defect quality target. 100% of boqi products have undergone strict quality inspection, and the product is guaranteed for 5 years.

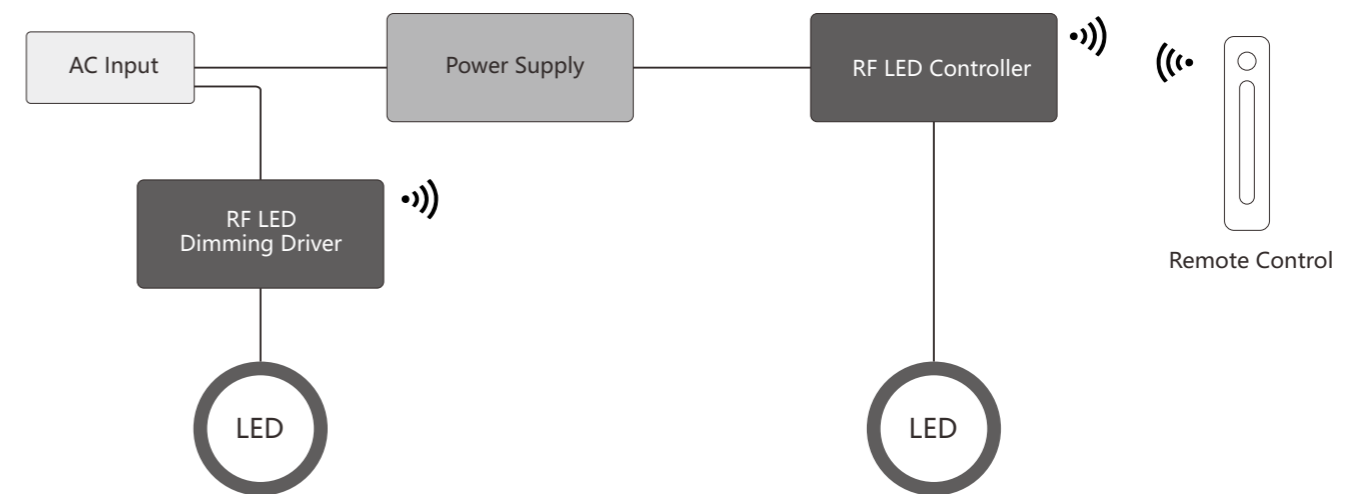
## CERTIFICATES

### 产品证书



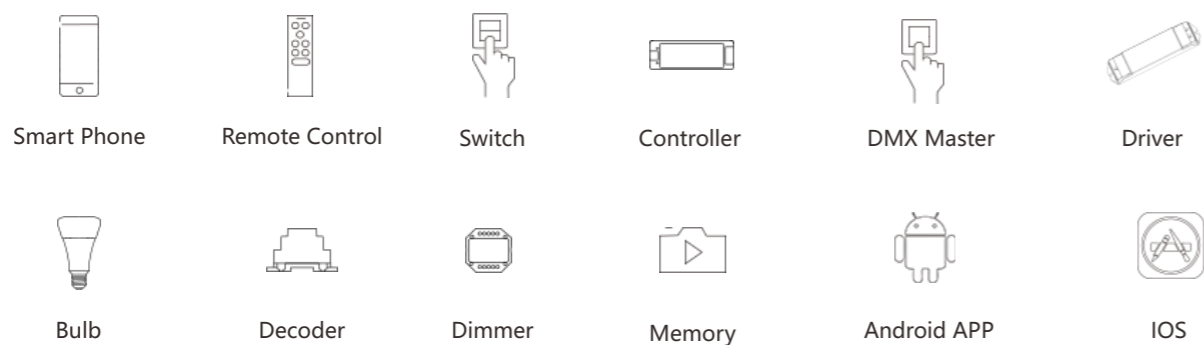
# RF / Wi-Fi SYSTEM

# RF / Wi-Fi SYSTEM

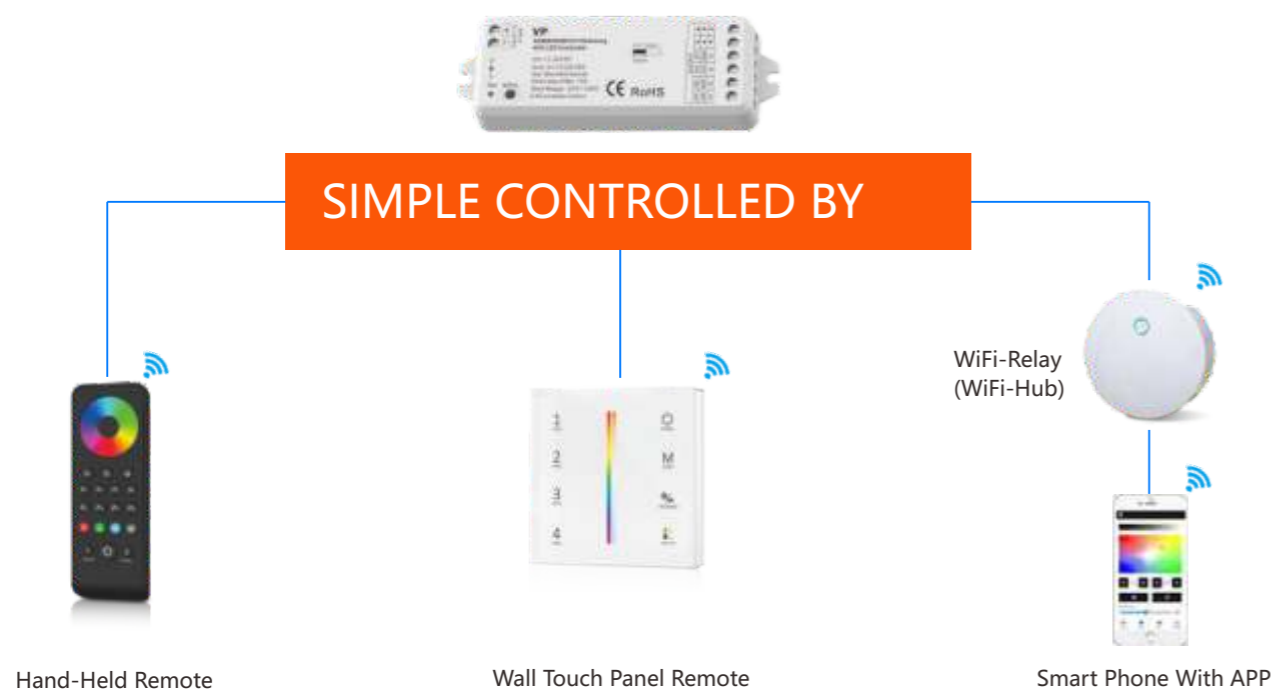


# RF Wireless/WiFi System

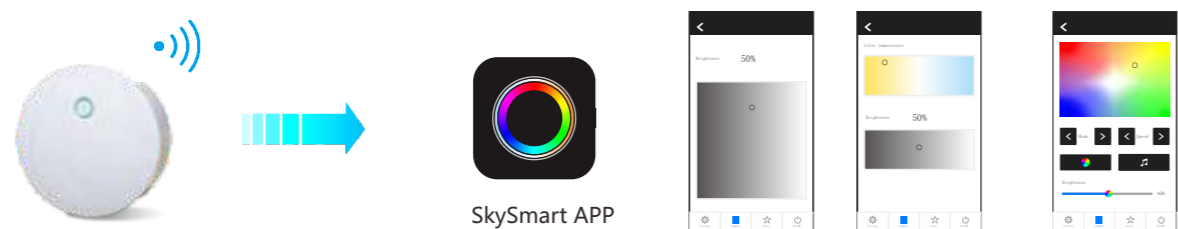
boqi perfect RF system is the smart home lighting solution and wireless LED controller system including the handheld RF remote, wall mounted PWM controller & RF remote, 1-5 channel PWM constant voltage or constant current receiver, RF dimmable LED driver and smart lamp to control single color, dual color, RGB,RGBW, RGB+CCT LED lighting to create static colors or dynamic color changing modes.



The RF system is a perfect wireless home automation system which enables to control multi zones by one remote with endless receivers in each zone and achieve perfect synchronization. Each receiver can be controlled by 10 remotes. The control range is up to 30m.



The receivers can be WiFi controlled via APP installed on IOS or Android device while working with a WiFi-Relay controller, achieve static color adjust, dynamic mode play, scene memory and timing run function.



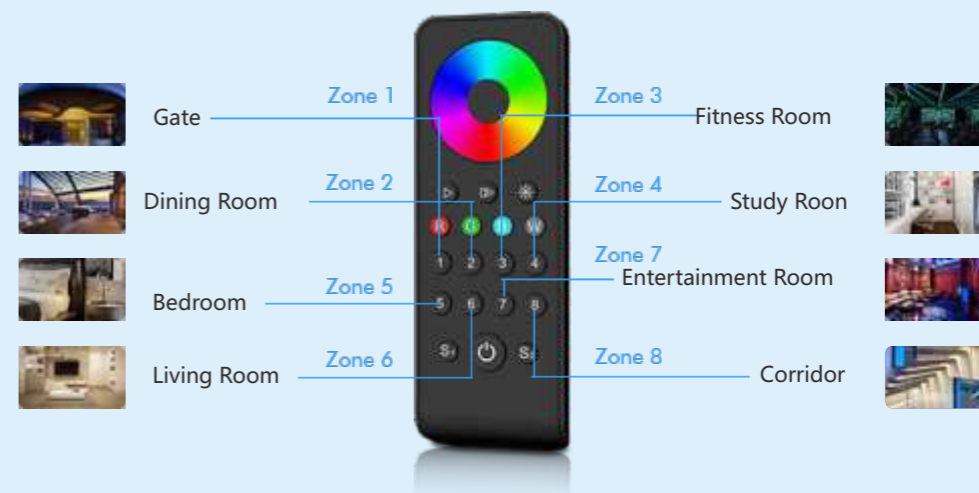
# CONNECT VARIOUS RF SYSTEMS

Our WIFI-Relay(Wi-Fi Hub) allows you to connect with a wide variety of RF systems, including led controllers, LED dimmable drivers, DMX Master smart lights, 0-10V and TRIAC dimmers.



# WIRELESS GROUP CONTROL IN MULTIPLE ZONES

Multiple LED lights with LED controller can be group controlled by one remote at the same time. press one single zone button to select one or multiple lights in one room. Remotes can have 1-8 zone buttons depending on the series. Even more, you can select up to 16 different zones in the SkySmart App on your phone through WiFi-Relay converter.





## DIM - RF LED Controller

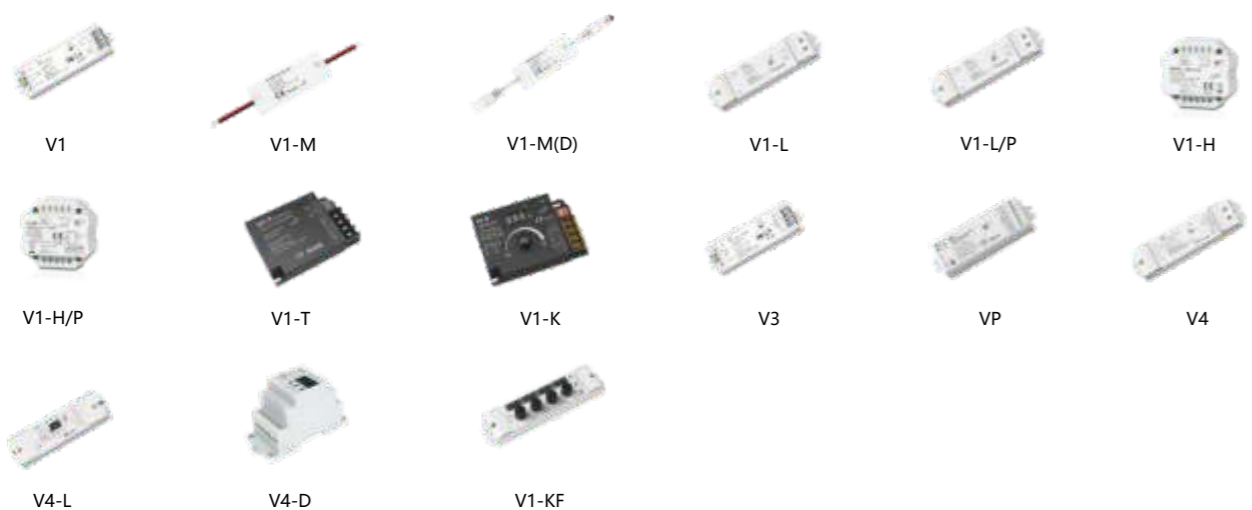
### RF LED Controller

boqi constant voltage dimming LED controller series includes RF controller, panel controller, sensor dimmer and TRIAC dimmer. With Dc12 / 24 / 36 / 48V constant voltage led power supply, 1 / 4-way PWM constant voltage output, output connected to low-voltage LED light strip, using RF remote control, push switch, touch button, knob, digital tube key, triac ect dimming ways. It can achieve 256 levels of 0-100% smooth and accurate dimming.

### Feature

- RF wireless dimming
- PWM Constant voltage output
- 256 level 0-100% smooth and accurate dimming
- Multiple protection

### Constant Voltage RF LED Controller



Model	Input Voltage	Output Current	Output Power	Size
V1	5-36VDC	≤8A	5V<40W, 12V<96W, 24V<192W, 36V<288W	L97*W33*H18mm
V1-M	12-24VDC	≤5A	12V<60W, 24V<120W	L64*W23.5*H8.5mm
V1-M(D)	12-24VDC	≤5A	12V<60W, 24V<120W	L64*W23.5*H8.5mm
V1-L	12-48VDC	≤15A	12V<180W, 24V<360W, 36V<360W, 48V<480W	L175*W45*H27mm
V1-L/P	12-48VDC	≤15A@12/24V, ≤10A@36/48V	12V<180W, 24V<360W	L175*W45*H27mm
V1-H	12-48VDC	≤8A@12/24V, ≤4 A@36/48V	12V<96W, 24V<192W, 36V<144W, 48V<192W	L52*W52*H26mm
V1-H/P	12-48VDC	≤8A@12/24V, ≤4 A@36/48V	12V<96W, 24V<192W, 36V<144W, 48V<192W	L52*W52*H26mm
V1-T	12-24VDC	≤20A	12V<240W, 24V<480W	L107*W75*H24.5mm
V1-K	12-24VDC	≤20A	12V<240W, 24V<480W	L107*W75*H38mm
V3	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L97*W33*H18mm
VP	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L114*W38*H20mm
V4	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L175*W45*H27mm
V4-L	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L170*W50*H23mm
V4-D	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
V1-KF	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L187*W46*H35.5mm



## DIM - Panel Control



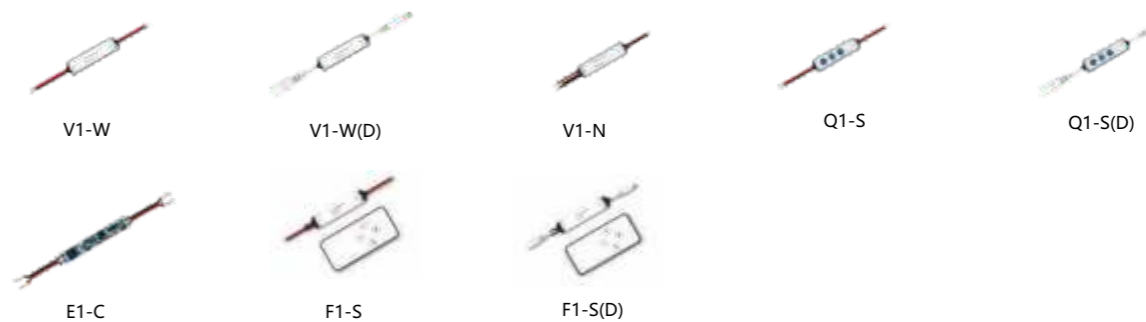
### Features

- It can be used as dimming controller or remote control
- Dimming mode: touch / knob panel, RF remote control
- PWM frequency: 500Hz
- Dimming curve: logarithmic (gamma 1.6)
- White / black panel available



Model	Input Voltage	Output Current	Output Power	Size
T1	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T1-1	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T1-K	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H50mm
T1(IT)	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm

### Mini Controller



Model	Input Voltage	Output Current	Output Power	Size
V1-W	12-24VDC	≤3A	12V<36W, 24V<72W	L60*W14*H5.8mm
V1-W(D)	12-24VDC	≤3A	12V<36W, 24V<72W	L60*W14*H5.8mm
V1-N	12-24VDC	≤3A	12V<36W, 24V<72W	L60*W14*H5.8mm
Q1-S	12-24VDC	≤4A	12V<48W, 24V<96W	L60*W14*H5.8mm
Q1-S(D)	12-24VDC	≤4A	12V<48W, 24V<96W	L60*W14*H5.8mm
E1-C	12-24VDC	≤3A	12V<36W, 24V<72W	L50*W7.8*H10mm
F1-S	12-24VDC	≤4A	12V<48W, 24V<96W	L60*W14*H5.8mm(controller)/L100*W47*H8mm(Remote)
F1-S(D)	12-24VDC	≤4A	12V<48W, 24V<96W	L60*W14*H5.8mm(controller)/L100*W47*H8mm(Remote)



## DIM - RF Remote control



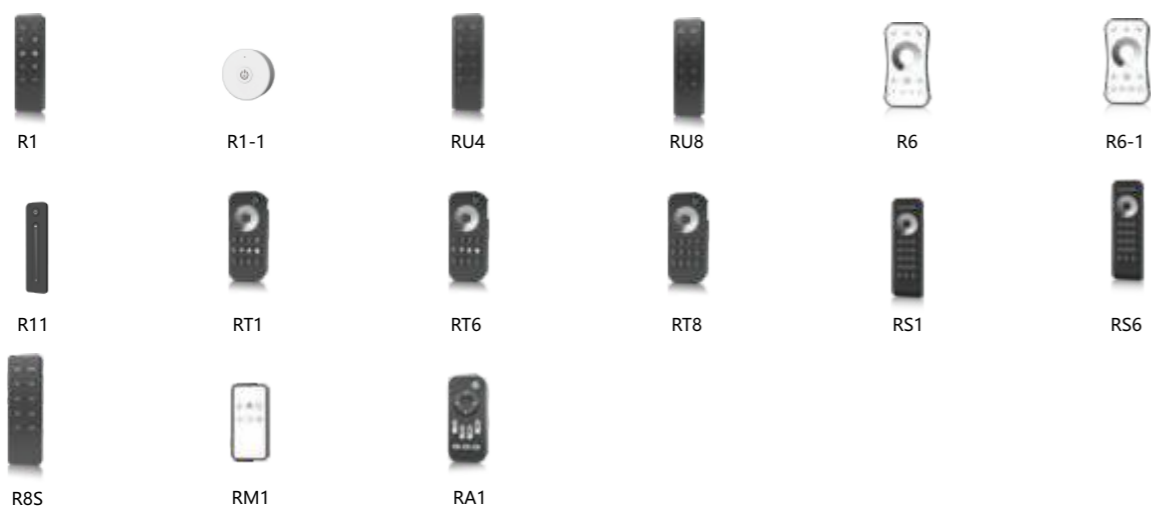
### RF Remote Control

boqi dimming remote control series include handy and wall panel remote controls, which are divided into single zone, 2 zone, 4 zone and 8 zone, with AAA battery/button battery, AC100-240V, DC12-24V power supply ways. It adopts wireless 2.4G signal transmission technology, can be used for single color LED lights to realize the functions of turn on/off, brightness adjustment, group partition and scene application. The remote control distance is 30 meters.

### Feature

- Adopt RF wireless 2.4G signal transmission technology.
- 30 meters remote control distance
- Single zone or multi zone control.
- Scene storage function

### RF Hand-held Remote Control



Model	Zone	Working Voltage	Working Current	Standby Current	Standby Time	Size
R1	1 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L135*W40*H11mm
R1-1	1 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	Φ43xH17mm
RU4	4 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L135*W40*H11mm
RU8	8 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L135*W40*H11mm
R6	4 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L107*W58.5*H9mm
R6-1	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L107*W58.5*H9mm
R11	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L139*W36*H11mm
RT1	1 Zone DIM	AAAx2	<5mA	<10uA	1 Year	L122*W53*H17.5mm
RT6	4 Zone DIM	AAAx2	<5mA	<10uA	1 Year	L122*W53*H17.5mm
RT8	8 Zone DIM	AAAx2	<5mA	<10uA	1 Year	L122*W53*H17.5mm
RS1	4 Zone DIM	AAAx2	<5mA	<10uA	1Year	L155*W43*H17.5mm
RS6	4 Channel DIM	AAAx2	<5mA	<10uA	1 Year	L155*W43*H17.5mm
R8S	8 Scenes (Universal)	CR2023 Button Battery	<5mA	<2uA	2Year	L135*W40*H11mm
RM1	1 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L100*W47*H8mm
RA1	4 Zone DIM	AAAx2	<5mA	<2uA	2 Year	L115*W53*H17.5mm



## DIM - RF Panel Remote Controller



### RF Panel Remote Control

### Battery Powered Remote Control



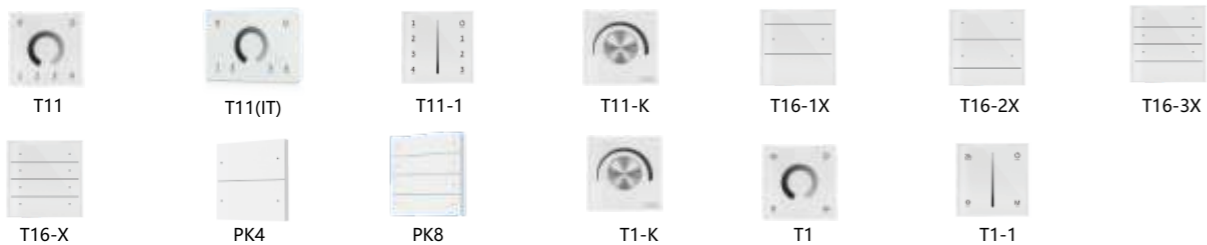
Model	Zone	Working Voltage	Working Current	Standby Current	Standby Time	Size
T1-KB	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L86*W86*H49mm
RK1	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L91*W57*H52mm
PK1	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H23mm
PK1 (G)	1 Zone DIM	CR2023 Button Battery	<5mA	<10uA	1 Year	L86*W86*H24.5mm
PF1	1 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L86*W86*H14mm
PF1 (G)	1 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L86*W86*H15mm
PF1-2	2 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L86*W86*H14mm
PF1-2 (G)	2 Zone DIM	CR2023 Button Battery	<5mA	<2uA	2 Year	L86*W86*H15mm
T20-1	1 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm
T20-2	2 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm
T20-3	3 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm
T20	4 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm
T21	4 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm
T21-1	4 Zone DIM	AAAx2	<5mA	<20uA	1 Year	L86*W86*H20.5mm





## DIM - RF Remote control

AC / DC Input Panel Remote Control



Model	Zone	Input Voltage	Standby Current	Size
T11	4 Zone DIM	100-240VAC	<1W	L86*W86*H33mm
T11(IT)	4 Zone DIM	100-240VAC	<1W	L120*W80*H37mm
T11-1	4 Zone DIM	100-240VAC	<1W	L86*W86*H33mm
T11-K	1 Zone DIM	100-240VAC	<1W	L86*W86*H49mm
T16-1X	1 Zone(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-2X	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-3X	6 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-X	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
PK4	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
PK8	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
T1-K	1 Zone DIM	12-24VDC	<1W	L86*W86*H49mm
T1	1 Zone DIM	12-24VDC	<1W	L86*W86*H33mm
T1-1	1 Zone DIM	12-24VDC	<1W	L86*W86*H33mm

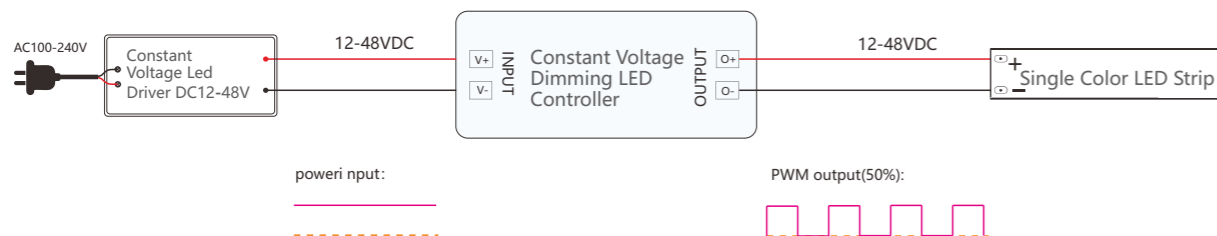




## Lighting Control Working Principle



PWM dimming is used for dimming low-voltage LED strips, that is, a fast constant voltage switching with Hundreds and thousands of frequency to change the brightness output by adjusting the ratio of on and off time.  
 For example, with a frequency of 500 Hz and a brightness output of 25%, the switch is 500 times per second, and each switch takes 2 milliseconds, of which the on time is 0.5 milliseconds and the off time is 1.5 milliseconds.  
 The brightness value data is obtained through RF remote control, knob or touch button, AC self-reset switch, etc mode.  
 It is recommended that the total power of the low-voltage LED strip is less than 80% of the power of the constant voltage power supply.

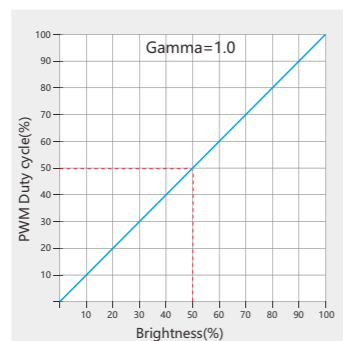


### PWM Frequency Selection:

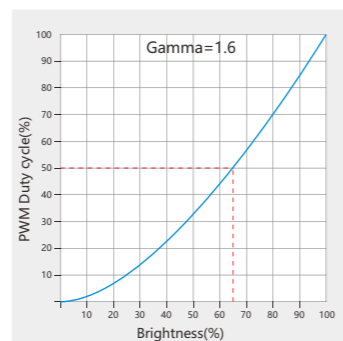
If the PWM frequency is greater than 200Hz, the human eye will not see the light flicker.  
 The higher of the PWM frequency, the smaller of the flicker when shooting with the camera, but the noise of the switching power supply will be higher, and the higher of controller heating, the output current needs to be reduced.  
 Pls choose 250Hz PWM frequency when low noise of switching power supply is required.  
 Pls choose 2000Hz PWM frequency in the occasions that require a good camera shooting effect;  
 Pls choose 8000Hz PWM frequency when require is higher such as a studio,  
 Generally, 500 or 750Hz PWM frequency is used.

### Dimming curve selection:

The dimming curve is divided into linear dimming and logarithmic dimming.  
**Linear dimming:** The brightness is proportional to the PWM switch output, that is, when the brightness is 50%, the turn-on and turn-off time are each half, and the Gamma curve value is 1.0.  
**Logarithmic dimming** The relationship between brightness and PWM switch output is a logarithmic curve, and the ratio of turn-on time is calculated according to the formula, and the Gamma curve value is 0.1-9.9.  
 The brightness characteristics of LED lap beads are not linear. If dimming is performed in a linear manner, when dimming in the range of 0-100%, Visually, the brightness change is uneven, the low-brightness area changes greatly, and the high-brightness area changes little.  
 Therefore, a logarithmic curve is often used to ensure uniform brightness changes.



Linear Dimming Curve



Logarithmic Dimming Curve

RF2.4G

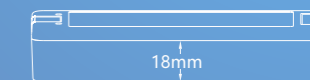
## Constant Voltage Dimming Controller + Remote Control

### Function

- 4096 level 0-100% smooth dimming, no flicker
- Use with RF 2.4G single-zone or multi-zone dimming remote control.
- One RF controller can be paired with up to 10 remote controls.
- Automatic transmission: The controller automatically sends the remote signal to another controller doubles the remote control distance.
- Synchronization: One remote control synchronously controls multiple controllers.
- Connect a push switch to realize turn on/off and 0-100% dimming.
- Overheat/overload/short circuit protection, automatic recovery.



### Mechanical Structures and Installations

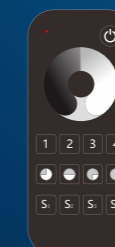


### Technical Parameters

4-zone Dimming LED Remote Control	
Output signal	RF(2.4GHz)
Working voltage	3VDC(AA x2)
Working current	< 5mA
Stand-by current	< 10µA
Stand-by time	1year
Remote distance	30m (Barrier-Free)

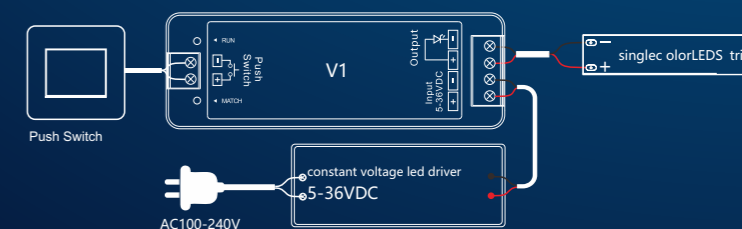
1 Channel LED controller	
Input voltage	5-36VDC
Input current	8.5A
Output voltage	5-36VDC
Output current	1CH,8A
Output power	40W/96W/192W/288W (5V/12V/24V/36V)
Output type	constant voltage

### Remote Control Key Function



- : Turn on / off the lights
- : Touch to adjust brightness.
- : Short press to select and turn on the zone lights, long press for 2 seconds to turn off the zone lights. Press multiple partition keys in quick succession to select multiple partitions at the same time. :The current zone has 25%, 50%, 75%, 100% brightness.
- : Short press to bring up the scene, Long press for 2 seconds to save the current brightness to S1/S2/S3/S4, The LED indicator for saving is green. 4 partitions can be recalled or saved at the same time.

### Wiring Diagram



■ DIM - Constant Voltage Dimmable LED Driver



Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PB-12-12	12W/12V/1A	12VDC	100-240VAC	/	/	>80%	138×32×24mm
PB-40-12	12W/12V/3.3A	12VDC	100-240VAC	/	/	>81%	168×44×30mm
PB-40-24	12W/24V/1.65A	24VDC	100-240VAC	/	/	>86%	168×44×30mm

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PB-40-12-3	40W/12V/1.1A x 3CH	12VDC	100-240VAC	/	/	>81%	168×44×30mm
PB-40-24-3	40W/24V/0.56A x 3CH	24VDC	100-240VAC	/	/	>86%	168×44×30mm
PB-75-12	75W/12V/6.24A x 1CH	12VDC	200-240VAC	/	/	>82%	179×56×30mm
PB-75-24	75W/24V/3.12A x 1CH	24VDC	200-240VAC	/	/	>87%	179×56×30mm
PB-75-12-4	75W/12V/1.56A x 4CH	12VDC	200-240VAC	/	/	>82%	179×56×30mm
PB-75-24-4	75W/24V/0.78A x 4CH	24VDC	200-240VAC	/	/	>87%	244×68×36mm
PS-75-12	75W/12V/6.25A x 1CH	12VDC	100-240VAC	>0.99/110VAC >0.93/230VAC	<10%/110VAC <15%/230VAC	>86%	388×31×22.5mm
PS-75-24	75W/24V/3.125A x 1CH	24VDC	100-240VAC	>0.99/110VAC >0.93/230VAC	<10%/110VAC <15%/230VAC	>88%	388×31×22.5mm
PH-75-12	75W/12V/6.25A	12VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>88%	166×58×32mm
PH-75-12-2	75W/12V/3.125A/2CH	12VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>88%	166×58×32mm
PH-75-12-3	75W/12V/2.08A/3CH	12VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>88%	166×58×32mm
PH-75-12-4	75W/12V/1.56A/4CH	12VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>88%	166×58×32mm
PH-75-24	75W/24V/3.125A	24VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>90%	166×58×32mm
PH-75-2-2	75W/24V/1.56A/2CH	24VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>90%	166×58×32mm
PH-75-24-3	75W/24V/1.04A/3CH	24VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>90%	166×58×32mm
PH-75-24-4	75W/24V/0.78A/4CH	24VDC	100-240VAC	>0.99/110VAC >0.95/230VAC	≤8%/110VAC ≤10%/230VAC	>90%	166×58×32mm
PH-150-12	150W/12V/12.48A x 1CH	12VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm
PH-150-24	150W/24V/6.24A x 1CH	24VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm
PH-150-12-4	150W/12V/3.12A x 4CH	12VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm
PH-150-24-4	150W/24V/1.56A x 4CH	24VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm
LP-150-12	150W/12V/12.5A	12VDC	100-270VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%	310×45×30mm
LP-150-24	150W/24V/6.25A	24VDC	100-270VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%	310×45×30mm



## DIM - Constant Current Dimmable LED Driver

**RF CONSTANT CURRENT LED DRIVER**  
8 steps current adjust via DIP switch/  
Wireless/AC Push-Dim RF Wireless, AC Push-Dim

Match with Skydance's 2.4G single color remote control  
Universal AC input / Full range  
1 channel DC output, configurable current via DIP switch  
Built-in active PFC function: 0.95 Typ.  
Auto-transmitting and synchronize on multiple number of LED drivers.  
Over-heat / Over load / Short circuit protection, recover automatically.

Full protective plate cover  
Suitable for outdoor LED lighting application  
3 Year, 50,000hr warranty



Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size(mm)
PB-9A	9W-150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA	9-36VDC	100-240VAC	/	/	>75%	91×37.5×23
PT-12A-L	12W-100mA/150mA/200mA/250mA/300mA/350mA/400mA/450mA	9-42VDC	100-240VAC	>0.99/115VAC >0.98/230VAC	<6%/230VAC	>78%	138×32×24
PT-12A-H	12W-350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA	3-24VDC	100-240VAC	>0.99/115VAC >0.95/230VAC	<6%/230VAC	>78%	138×32×24
PT-15A	15W-150mA/200mA/350mA/400mA/450mA/500mA/650mA/700mA	10-45VDC	100-240VAC	>0.98/115VAC >0.93/230VAC	<10%/230VAC	>80%	168×44×30
PT-25A	25W-250mA/300mA/350mA/400mA/500mA/600mA/700mA/900mA	10-52VDC	100-240VAC	>0.99/115VAC >0.95/230VAC	<8%/230VAC	>80%	168.5×44×30
PT-36A	36W-350mA/500mA/600mA/700mA/800mA/900mA/1050mA/1200mA	10-52VDC	100-240VAC	>0.99/115VAC >0.95/230VAC	<8%/230VAC	>82%	168×44×30
PT-40A-2	40W-450mA/500mA/550mA/600mA/650mA/700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA/1100mA/1150mA/1200mA	10-52VDC	100-240VAC	>0.99/110VAC >0.98/230VAC	<6%/230VAC	>85%	168×44×30
CXR-21A	1.5-21W-150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA	10-42VDC	/	/	/	>93%	125×13.5×10.8
CXR-28A	3.5-29.4W-350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA	10-42VDC	/	/	/	>93%	133×88×30

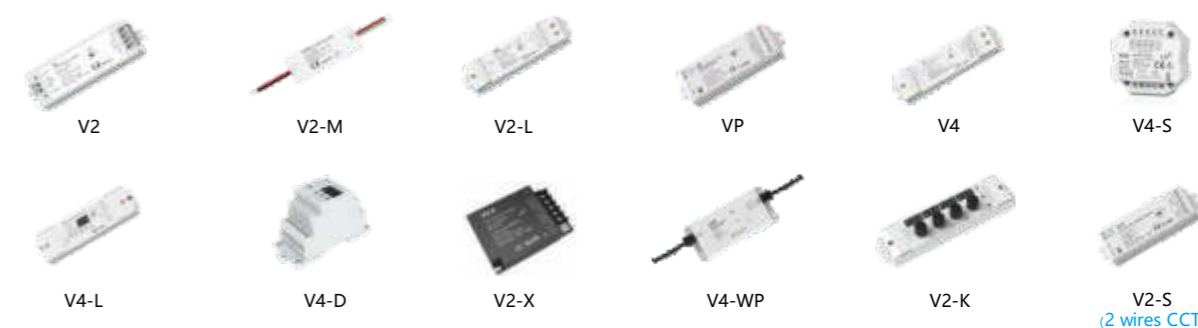
## CCT Series - RF Controller

### RF Controller

boqi color temperature constant voltage LED controller series include RF controller, panel controller and mini controller, DC12 / 24 / 36 / 48V constant voltage power supply, 2 / 4 way PWM constant voltage output and connect low voltage dual color LED (WW + CW) light strip, adopt RF remote control, push dim switch, touch button, knob, digital tube key and other dimming modes, match with remote control, panel controller and WiFi Relay ect to form the lighting control system, to achieve 256 levels of 0 ~ 100% smooth and precise dimming and color temperature adjustment.

### Feature

- RF wireless dim or CCT adjust
- PWM constant voltage output
- 256 level 0-100% smooth and accurate dimming
- Multiple protection



Model	Input Voltage	Output Current	Output Power	Size
V2	12-24VDC	2CH, ≤5A/CH	12V<120W, 24V<240W	L97*W33*H18mm
V2-M	12-24VDC	2CH, ≤2.5A/CH	12V<60W, 24V<120W	L64*W23.5*H8.5mm
V2-L	12-36VDC	2CH, ≤8A/CH	12V<192W, 24V<384W, 36V<576W	L170*W50*H23mm
VP	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L114*W38*H20mm
V4	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L175*W45*H27mm
V4-S	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L52*W52*H26mm
V4-L	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L170*W50*H23mm
V4-D	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
V2-X	12-36VDC	2CH, ≤15A/CH	12V<360W, 24V<720W, 36V<1080W	L110*W74.5*H24.5mm
V4-WP	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L176*W78*H38mm
V2-K	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L187*W46*H35.5mm
V2-S	12-24VDC	≤5A	12V<60W, 24V<120W	L107*W75*H24.5mm

### RF Panel Controller



Model	Input Voltage	Output Current	Output Power	Size
T2	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T2-1	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T2-K	12-24VDC	2CH, ≤5A/CH	12V<144W, 24V<288W	L86*W86*H50mm



## CCT - Mini Controller



### Mini controller



Model	Input Voltage	Output Current	Output Power	Size
V2-W	12-24VDC	2CH, ≤1.5A/CH	12V<36W, 24V<72W	L60*W14*H5.8mm
Q2-S	12-24VDC	2CH, ≤2A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm

## CCT - RF Remote control

boqi color temperature remote control series include hand-held and panel type remote controls, which are divided into single zone and 4-zone, with power supply modes of AAA battery, button battery, AC100-240V, DC12-24v, for LED lights of color temperature (WW + CW) type, wireless 2.4G signal transmission technology is adopted, remote control distance is 30 meters, to realize turn on/off, color temperature adjustment, brightness adjustment, grouping and zoning, scene application function.

### RF Hand-held Remote Control



Model	Zone	Working Voltage	Working Current	Standby Current	Standby Time	Size
R2	1 Zone CCT	CR2023 Button Battery	<5mA	<2uA	2Year	L135*W40*H11mm
R7	4 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R7-1	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R12	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L139*W36*H11mm
RT2	1 Zone CCT	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
RT7	4 Zone CCT	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
RS2	4 Zone CCT	AAAx2	<5mA	<10uA	1Year	L155*W43*H17.5mm
RM2	1 Zone CCT	Cr2023 Button Battery	<5mA	<2uA	2Year	L100*W47*H8mm
RA2	4 Zone CCT	AAAx2	<5mA	<2uA	2Year	L115*W53*H17.5mm
R8S	8 Scenes (Universal)	CR2023 Button Battery	<5mA	<2uA	1Year	L135*W40*H11mm



## CCT - RF Panel Remote Control



### RF Panel Remote Control



### Battery Powered Panel Remote Control

Model	Zone	Working Voltage	Working Current	Standby Current	Standby Time	Size
T2-KB	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H49mm
RK2	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L91*W57*H52mm
PK2	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H23mm
PK2(G)	1 Zone CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H24.5mm
PF2	1 Zone CCT	CR2023 Button Battery	<5mA	<2uA	2Year	L86*W86*H14mm
PF2(G)	1 Zone CCT	CR2023 Button Battery	<5mA	<2uA	2Year	L86*W86*H15mm
T22	4 Zone CCT	AAAx2	<5mA	<20uA	1Year	L86*W86*H20.5mm

### AC / DC Input Panel Remote Control

Model	Zone	Input Voltage	Standby Current	Size(mm)
T12	4 Zone CCT	100-240VAC	<1W	L86*W86*H33mm
T12(IT)	4 Zone CCT	100-240VAC	<1W	L120*W80*H37mm
T12-1	4 Zone CCT	100-240VAC	<1W	L86*W86*H33mm
T12-K	1 Zone CCT	100-240VAC	<1W	L86*W86*H49mm
T16-1X	1 Zone(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-2X	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-3X	6 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-X	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
PK4	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
PK8	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
T2-K	1 Zone CCT	12-24VDC	<1W	L86*W86*H49mm
T2	1 Zone CCT	12-24VDC	<1W	L86*W86*H33mm
T2-1	1 Zone CCT	12-24VDC	<1W	L86*W86*H33mm



RF2.4G

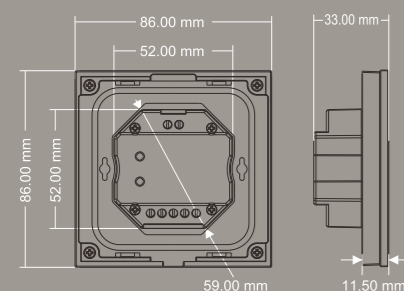
## CCT Glass Touch Panel Controller

### Function

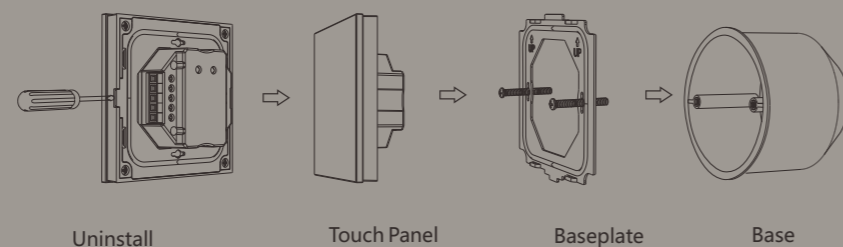
- Touch panel single color, dual color, RGB or RGBW PWM constant voltage controller.
- Ultra sensitive high strength glass touch panel with touch color wheel in the middle.
- Compatibility with RF 2.4G single zone or multiple zone remote control.
- Touch keys with LED indicator.
- White&Black glass panel available.



### Mechanical structure and installation



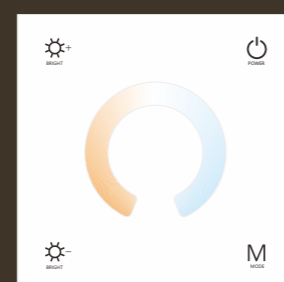
### Instructions:



### Technical Parameters

Input Voltage	12-24VDC
Input Current	12.5A
Output Current	4 x (12-24)VDC
Output Power	4CH, 3A/CH
Output Type	144-288W
Light Type	Constant Voltage
	CCT

### Key Function



- ⏻ — Turn on/off light
- ☀️ — Brightness +, 10 levels
- ☀️ — Brightness -, 10 levels
- 🌈 — Color temperature wheel.
- M — Dynamic mode, 6 level speed.

## CCT Series - Dimmable LED Driver

### RF CCT - Constant Voltage Dimmable LED Driver

1. AC100-240V input, DC12 / 24 V output, 2 / 4 way PWM constant voltage output, 1 / 2 group color temperature output.
2. The output power is 40-150w.
3. Dimming mode: wireless 2.4G, AC push dim (self reset switch).
4. It has the same control function as boqi constant voltage color temperature controller.
5. Over temperature / overload / short circuit protection, automatic recovery.
6. 5 years warranty, 50000 hours warranty.

PB-40-12-3 40W 12V(CV)(3CH)	PB-40-24-3 40W 24V(CV)(3CH)	PB-75-12-4 75W 12V(CV)(4CH)	PB-75-24-4 75W 24V(CV)(4CH)	PH-150-12-4 150W 12V(CV)(4CH)	PH-150-24-4 150W 24V(CV)(4CH)

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PB-40-12-3	40W/12V/1.1A x 3CH	12VDC	100-240VAC	/	/	>81%	168x44x30mm
PB-40-24-3	40W/24V/0.56A x 3CH	24VDC	100-240VAC	/	/	>86%	168x44x30mm
PB-75-12-4	75W/12V/1.56A x 4CH	12VDC	200-240VAC	/	/	>82%	179x56x30mm
PB-75-24-4	75W/24V/0.78A x 4CH	24VDC	200-240VAC	/	/	>87%	244x68x36mm
PH-150-12-4	150W/12V/3.12A x 4CH	12VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280x67x36mm
PH-150-24-4	150W/24V/1.56A x 4CH	24VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280x67x36mm

### RF CCT - Constant Current Dimmable LED Driver

1. AC100-240V input, DC3-21V output, 2 ways PWM constant current output to achieve dual color temperature output.
2. The maximum output power is 12W.
3. 600mA output, other current (< 600mA) should be customized.
4. Dimming mode: wireless 2.4G.
5. It has the same control function as boqi constant current color temperature controller.
6. Over temperature / overload / short circuit protection, automatic recovery.
7. 5 years warranty, 50000 hours warranty.

PT-12A-2 20W 58VDC	PT-20A-2 20W 58VDC

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PT-12A-2	12W/150-500mA	10-45VDC	100-240VAC	0.97/110VAC 0.92/230VAC	<8%/230VAC	>77%	131x37x20.5mm
PT-20A-2	20W/300-1050mA	58VDC	100-240VAC	0.98/110VAC 0.95/230VAC	<10%/230VAC	>80%	151x41x30mm

# RGB Constant Voltage LED Controller+Remote Control

3 channel constant voltage / touch color wheel / stepless dimming / 30m remote control distance



### Function

- Mini controller, 3-channel constant voltage output.
- Super sensitive color touch wheel for color selection.
- Smooth dimming without flicker.
- Built-in 10 kinds of dynamic modes, including jump and amplitude.
- Independent dimming of R/G/B channels to realize millions of colors.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance
- Synchronize on multiple number of controllers.



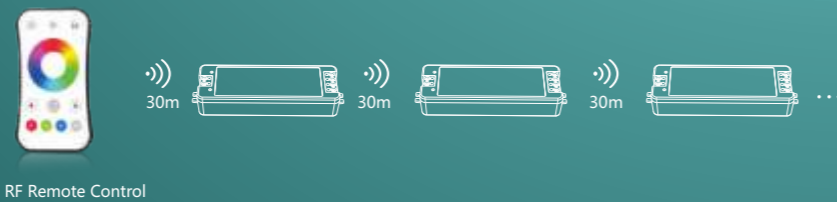
### Technical Parameters

LED Controller Input And Output	
Input Voltage	12-24VDC
Input Current	12.5A
Output Voltage	3 x (12-24)VDC
Output Current	3CH,4A/CH
Output Power	144-288W(12-24V)
Output Type	Constant Voltage

LED Remote Input And Output	
Output Signal	RF(2.4GHz)
Working Voltage	3VDC(CR2032)
Working Current	< 5mA
Standby Current	< 10µA
Standby Time	1 year
Remote Distance	30m

### Application note

All controllers in the same area are controlled synchronously



Automatic forwarding: The controller forwards the remote control signal to another controller, as long as there is a controller within 30 meters, the remote control distance can be extended infinitely  
 Automatic synchronization: The same remote control can simultaneously control multiple controllers within 30 meters. The longest remote control distance of the controller is 30 meters, but the steel concrete walls, metal materials, strong signal sources such as WiFi routers and microwave ovens will shorten the remote control distance. For indoor applications, it is recommended to control The distance of the device should not exceed 15 meters.

## RGB Series

### RGB RF Controller

boqi 3-channel RGB constant voltage LED controller series include RF controller, panel controller and mini controller, DC12/24/36/48V constant voltage power supply, 3 PWM constant voltage output. The output is connected to low-voltage RGB LED strips, adopt RF remote control, self reset switch, touch button, knob, digital tube key and other dimming modes, match with remote control, panel controller and WiFi Relay ect to form the light control system, to achieve 4096-level flicker-free dimming and color adjustment.

### Features

- RF Wireless dimming, CCT, or RGB
- RF Constant voltage output
- 256 levels 0~100% smooth and precise dimming
- Multiple protection



Model	Input Voltage	Output Current	Output Power	Size
V3	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L97*W33*H18mm
V3-M	12-24VDC	3CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V3-M(CJ)	12-24VDC	3CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V3-M(DJ)	12-24VDC	3CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V3-L	12-36VDC	3CH, ≤6A/CH	12V<216W, 24V<432W, 36V<648W	L175*W45*H27mm
V3-X	12-36VDC	3CH, ≤10A/CH	12V<360W, 24V<720W, 36V<1080W	L110*W74.5*H24.5mm
VP	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L114*W38*H20mm
V4-S	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L52*W52*H26mm
V4-L	12-24VDC	4CH, ≤5A/CH	12V<180W, 24V<360W	L170*W50*H23mm
V4-D	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
V4-X	12-48VDC	4CHx8A@12/24V 4CHx5A@36/48V	384W@12V, 768W@24V, 720W@36V, 960W@48V	L117*W85*H24.5mm
V4-WP	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L176*W78*H38mm
V3-K	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L187*W46*H35.5mm
S3	110-240VAC	3CH, ≤1A/CH	3x (110-240)W	L170*W50*H23mm
C4	12-48VAC	4CH, 150-500mA/CH 4CH, 350-1200mA/CH	4x (0.45-22.5)W 4x (4.05-54)W	L170*W50*H23mm
SC(SPI)	5-24VDC	MAX8A	/	L97*W33*H18mm



## RGB Series



### RGB Panel Controller

- Ultra sensitive high strength glass touch panel.
- Compatibility with RF 2.4G single zone or multiple zone remote control.
- Touch the color wheel and rotary knob to control the lights smoothly.
- Touch keys with LED indicator.
- White & Black glass panel available.



T3



T3-1



T3-K

Model	Input Voltage	Output Current	Output Power	Size
T3	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T3-1	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T3-K	12-24VDC	3CH, ≤4A/CH	12V<144W, 24V<288W	L86*W86*H50mm

### RGB Mini Controller



V3-W



V3-W(CJ)



V3-W(DJ)



Q3-S



Q3-S(CJ)



Q3-S(DJ)

Model	Input Voltage	Output Current	Output Power	Size
V3-W	12-24VDC	3CH, ≤1A/CH	12V<36W, 24V<72W	L60*W14*H5.8mm
V3-W(CJ)	12-24VDC	3CH, ≤1A/CH	12V<36W, 24V<72W	L60*W14*H5.8mm
V3-W(DJ)	12-24VDC	3CH, ≤1A/CH	12V<36W, 24V<72W	L60*W14*H5.8mm
Q3-S	12-24VDC	3CH, ≤1.5A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm
Q3-S(CJ)	12-24VDC	3CH, ≤1.5A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm
Q3-S(DJ)	12-24VDC	3CH, ≤1.5A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm

### SPI Signal Amplifier



- Split 1 group of SPI signals (data + clock) into 2 groups of SPI signals
- Used in conjunction with SPI controller, suitable for synchronously controlling multiple SPI digital RGB or RGBW LED strips

Model	Input Voltage	Input Signal	Output Signal	Size
SA	5-24VDC	1Group SPI (TTL)	2 Group SPI (TTL)	L52*W52*H26mm



## RGBW Series



boqi 4-channel RGBW constant voltage LED controller series include RF controller, panel controller and mini controller, DC12/24/36/48V constant voltage power supply, 4 PWM constant voltage output, The output is connected to low-voltage RGBW LED strips, adopt RF remote control, self-reset switch, touch buttons, knobs, digital tube buttons and other dimming methods, match with remote control, panel controllers, WiFi relay to form the lighting control system, to achieve 4096-level flicker-free dimming and color adjustment.

### Features

- RF Wireless Dimming, CCT, RGB, RGBW
- 256 Levels 0~100% Smooth And Precise Dimming
- PWM Constant Voltage Output
- Multiple Protection

### Constant Voltage RF LED Controller



VP



V4-M



V4-M(CJ)



V4-M(DJ)



V4



V4-S



V4-L



V4-D



V4-X



V4-WP (IP67 WATERPROOF)



V4-K

Model	Input Voltage	Output Current	Output Power	Size
VP	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L114*W38*H20mm
V4-M	12-24VDC	4CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V4-M(CJ)	12-24VDC	4CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V4-M(DJ)	12-24VDC	4CH, ≤2A/CH	12V<72W, 24V<144W	L64*W23.5*H8.5mm
V4	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L175*W45*H27mm
V4-S	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L52*W52*H26mm
V4-L	12-24VDC	4CH, ≤5A/CH	12V<180W, 24V<360W	L170*W50*H23mm
V4-D	12-24VDC	4CH, ≤5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
V4-X	12-48VDC	4CHx8A@12/24V 4CHx5A@36/48V	384W@12V, 768W@24V, 720W@36V, 960W@48V	L117*W85*H24.5mm
V4-WP	12-36VDC	4CH, ≤5A/CH	12V<240W, 24V<480W, 36V<720W	L176*W78*H38mm
V4-K	12-24VDC	4CH, ≤4A/CH	12V<192W, 24V<384W	L187*W46*H35.5mm



## RGBW Series



### RGBW Panel Controller



T4 T4-1 T4(IT)

Model	Input Voltage	Output Current	Output Power	Size
T4	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T4-1	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L86*W86*H33mm
T4(IT)	12-24VDC	4CH, ≤3A/CH	12V<144W, 24V<288W	L120*W80*H59mm

### RGBW Mini Controller



V4-W V4-W(CJ) V4-W(DJ)

Model	Input Voltage	Output Current	Output Power	Size
V4-W	12-24VDC	4CH, ≤1A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm
V4-W(CJ)	12-24VDC	4CH, ≤1A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm
V4-W(DJ)	12-24VDC	4CH, ≤1A/CH	12V<48W, 24V<96W	L60*W14*H5.8mm



## RGB/RGBW Series



boqi RGB/RGBW remote control series includes handheld and panel remotes, divided into single zone, 2 zones, 4 zones and 8 zones. There are AAA batteries, button batteries, AC100-240V, DC12-24V Equal power supply mode, used for RGB or RGBW type LED lights, using wireless 2.4G signal transmission technology, remote control distance of 30 meters, to achieve switching, color adjustment, dynamic change, grouping Partition and scene application functions to create colorful static or dynamic effects.

### RF Hand-held Remote Control

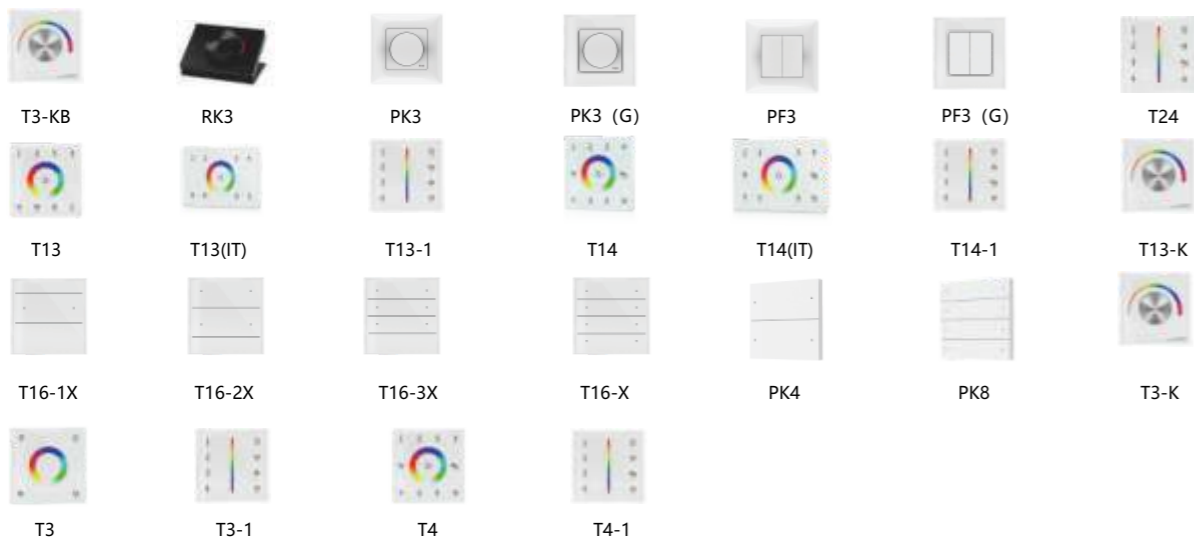


Model	Zone	Power Supply	Working Current	Standby Current	Standby Time	Size
R8	4 Zone RGB/RGBW	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R8-1	1 Zone RGB/RGBW	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R9	1 Zone RGB/RGBW	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R13	1 Zone RGB	CR2023 Button Battery	<5mA	<10uA	1Year	L139*W36*H11mm
R14	1 Zone RGBW	CR2023 Button Battery	<5mA	<10uA	1Year	L139*W36*H11mm
R8S	8 Scenes (Universal)	CR2023 Button Battery	<5mA	<2uA	1Year	L135*W40*H11mm
RT4	1 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
RT9	4 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
RS9	1 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L141*W50*H17.5mm
RS3	2 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L141*W50*H17.5mm
RS4	4 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L141*W50*H17.5mm
RS8	8 Zone RGB/RGBW	CR2023 Button Battery	<5mA	<2uA	2Year	L135*W40*H11mm
R10S	8 Zone&scene (Universal)	AAAx2	<5mA	<10uA	1Year	L141*W50*H17.5mm
RM3	1 Zone RGB/RGBW	CR2023 Button Battery	<5mA	<2uA	2Year	L100*W47*H8mm
R21	1 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L135*W55*H16.5mm
R22	4 Zone RGB/RGBW	AAAx2	<5mA	<10uA	1Year	L135*W55*H16.5mm



## RGB/RGBW Series

### RGB/RGBW Panel Remote Control



### Battery Powered Panel Remote Control

Model	Zone	Power Supply	Working Current	Standby Current	Standby Time	Size
T3-KB	1Zone RGB	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H49mm
RK3	1Zone RGB	CR2023 Button Battery	<5mA	<10uA	1Year	L91*W57*H52mm
PK3	1Zone RGB	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H23mm
PK3(G)	1Zone RGB	CR2023 Button Battery	<5mA	<10uA	1Year	L86*W86*H24.5mm
PF3	1Zone RGB	CR2023 Button Battery	<5mA	<2uA	1Year	L86*W86*H14mm
PF3(G)	1Zone RGB	CR2023 Button Battery	<5mA	<2uA	2Year	L86*W86*H15mm
T24	4Zone RGBW	AAAx2	<5mA	<20uA	1Year	L86*W86*H20.5mm

### AC/ DC Input Panel Remote Control

Model	Zone	Input Voltage	Standby Time	Size
T13	4Zone RGB	100-240VAC	<1W	L86*W86*H33mm
T13(IT)	4Zone RGB	100-240VAC	<1W	L120*W80*H37mm
T13-1	4Zone RGB	100-240VAC	<1W	L86*W86*H33mm
T14	4Zone RGBW	100-240VAC	<1W	L86*W86*H33mm
T14(IT)	4Zone RGBW	100-240VAC	<1W	L120*W80*H37mm
T14-1	4Zone RGBW	100-240VAC	<1W	L86*W86*H33mm
T13-K	1Zone RGB	100-240VAC	<1W	L86*W86*H49mm
T16-1X	1 Zone(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-2X	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-3X	6 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
T16-X	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H33mm
PK4	4 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
PK8	8 Zone&scene(Universal)	100-240VAC	<1W	L86*W86*H35.5mm
T3-K	1Zone RGB	12-24VDC	<1W	L86*W86*H49mm
T3	1Zone RGB	12-24VDC	<1W	L86*W86*H33mm
T3-1	1Zone RGB	12-24VDC	<1W	L86*W86*H33mm
T4	1Zone RGBW	12-24VDC	<1W	L86*W86*H33mm
T4-1	1Zone RGBW	12-24VDC	<1W	L86*W86*H33mm



## RF RGB/RGBW Constant Voltage Dimmable LED Driver

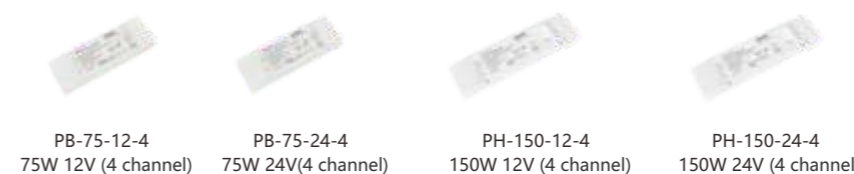
1. AC100-240V input, DC12/24V output, 3/4 ways PWM constant voltage output.
2. Dimming mode: wireless 2.4G, AC Push-Dim (self-reset switch).
3. The output power is 40-150W.
4. It has the same control function as boqi constant voltage RGB controller.
5. Built-in 10 dynamic modes, including jump and gradual change.
6. Over temperature/overload/short circuit protection, automatic recovery.
7. 5-year warranty and 50,000 hours warranty.



Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PB-40-12-3	40W/12V/1.1A x 3CH	12VDC	100-240VAC	/	/	>81%	168×44×30mm
PB-40-24-3	40W/24V/0.56A x 3CH	24VDC	100-240VAC	/	/	>86%	168×44×30mm
PB-75-12-4	75W/12V/1.56A x 4CH	12VDC	200-240VAC	/	/	>82%	179×56×30mm
PB-75-24-4	75W/24V/0.78A x 4CH	24VDC	200-240VAC	/	/	>87%	244×68×36mm
PH-150-12-4	150W/12V/3.12A x 4CH	12VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm
PH-150-24-4	150W/24V/1.56A x 4CH	24VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm

## RF RGBW Constant Voltage Dimmable LED Driver

1. AC100-240V input, DC12/24V output, 4 PWM constant voltage.
2. Dimming mode: wireless 2.4G, AC Push-Dim (self-reset switch).
3. The output power is 75-150W.
4. It has the same control function as boqi constant voltage RGBW controller.
5. Built-in 10 dynamic modes, including jump and gradual change.
6. Over temperature/overload/short circuit protection, automatic recovery.
7. 5-year warranty and 50,000 hours warranty.



Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
PB-75-12-4	75W/12V/1.56A x 4CH	12VDC	200-240VAC	/	/	>82%	179×56×30mm
PB-75-24-4	75W/24V/0.78A x 4CH	24VDC	200-240VAC	/	/	>87%	244×68×36mm
PH-150-12-4	150W/12V/3.12A x 4CH	12VDC	100-240VAC	>0.95/230VAC	/	>92%	280×67×36mm
PH-150-24-4	150W/24V/1.56A x 4CH	24VDC	100-240VAC	>0.95/230VAC	<5%/100VAC <10%/230VAC	>92%	280×67×36mm

# TOUCH WHEEL RF REMOTE CONTROL

1 zone RGB or RGBW/Touch wheel/  
Wireless/CR2032 battery

## Apply to RGB or RGBW LED controller

Ultra sensitive color adjustment touch wheel.  
Each remote can match one or more receivers.  
CR2032 battery powered.



Model: R8-1

## ■ RGB+CCT Series Controller

### RGB+CCT RF Controller

boqi 5-channel constant voltage RGB+CCT LED controller series use DC12/24/36/48V constant voltage power supply, 5-channel PWM constant voltage output, output connection RGB+WW+CW 5-color low-voltage LED strip, adopt RF remote control, self-reset switch and other dimming methods, combined with remote control, panel controllers, WiFi relay etc. to form the lighting control system, to achieve 4096-level flicker-free dimming and color adjustment.

### Features



- RF Wireless Dimming,CCT,RGB,RGB
- 256 Levels 0~100% Smooth And Precise Dimming
- PWM Consant Voltage Output
- Multiple Protection



Model	Input Voltage	Output Current	Output Power	Size
V5-M	12-24VDC	5CH, ≤3A/CH	12V<180W ,24V<360W	L114*W38*H20mm
V5	12-24VDC	5CH, ≤5A/CH	12V<300W ,12V<600W	L175*W45*H27mm
V5-L	12-48VDC	5CHx6A@12/24V , 5CHx4A@36/48V	360W@12V,720W@24V ,720W@36V ,960W@48V	L179*W56*H30mm



## ■ RGB+CCT Series Remote Control

### RGB+CCT Hand-held Remote Control

#### Features



- Adopt Wireless 2.4G signal transmirrion Technology
- Remote Control Distance 30 Meters
- Single Zone Or Multiple Zone Control
- Scene Storage Function



Model	Zone	Power Supply	Working Current	Standby Current	StandbyTime	Size
R17	1Zone RGB+CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
R8-5	4Zone RGB+CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L107*W58.5*H9mm
RT5	1Zone RGB+CCT	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
RT10	4Zone RGB+CCT	AAAx2	<5mA	<10uA	1Year	L122*W53*H17.5mm
R10	1Zone RGB+CCT	CR2023 Button Battery	<5mA	<10uA	1Year	L139*W36*H11mm
R23	1Zone RGB+CCT	AAAx2	<5mA	<10uA	1Year	L135*W55*H16.5mm
R8S	8 Scenes (Universal)	CR2023 Button Battery	<5mA	<2uA	2Year	L135*W40*H11mm
R10S	8 Zone&scene (Universal)	AAAx2	<5mA	<10uA	1Year	L141*W50*H17.5mm

### RGB+CCT Panel Remote Control



#### AC Input Panel Remote Control

Model	Zone	Input Voltage	Standby Power	Size
T15	4Zone RGB+CCT	100-240VAC	<1W	L86*W86*H33mm
T15-1	4Zone RGB+CCT	100-240VAC	<1W	L86*W86*H33mm
T15(IT)	4Zone RGB+CCT	100-240VAC	<1W	L120*W80*H37mm

#### Battery Powered Panel Remote Control

Model	Zone	Power Supply	Working Current	Standby Current	Standby Time	Size
T25	4Zone RGB+CCT	AAAx2	<5mA	<20uA	1Year	L86*W86*H20.5mm
T25-1	4Zone RGB+CCT	AAAx2	<5mA	<20uA	1Year	L86*W86*H20.5mm



### RF Signal Amplifier - RA



#### Features

1. It is suitable for wireless signal expansion, which greatly guarantees the stability and control range of RF communication.
2. AC100-240V or DC12-24V power supply.
3. Use with a wireless series remote control.
4. It can be installed in a standard wall junction box.

#### Technical Parameters

Model	RA	Product Name	RF Signal Repeater
<b>Technical Parameters</b>			
Input voltage	AC100-240V DC12-24V	Power consumption	AC: <=0.6W DC: <=0.4W
Input signal	RF 2.4GHz	Output signal	RF 2.4GHz
RF Control distance	30M	Size	52x52x26mm
<b>Environment</b>		<b>Safety and EMC</b>	
Operation temperature	-30°C~+55°C	EMC standard (EMC)	EN 55015:2013/EN 61547:2009 EN61000-3-2:2014/EN 61000-3-3:2013
Case temperature(Max.)	+65°C	Safety standard (LVD)	EN 55015:2013/EN 61547:2009 EN61000-3-2:2014/EN 61000-3-3:2013
IP rating	IP 20	Certification	CE, EMC, LVD
<b>Quality Assurance</b>		<b>Protection</b>	
Warranty	5 Year	Protection	/

RF2.4G

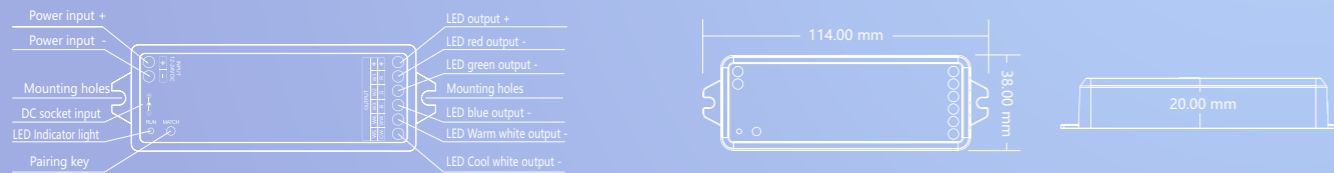
## RGB+CCT Constant Voltage LED Controller + Remote Control

### Feature

- DC power socket input and 5-channel constant voltage output.
- Match with boqi 2.4G single-zone or multi-zone RGB + CCT remote control.
- One RF controller can accept up to 10 remote controllers.
- 4096 level 0-100% smooth dimming without any flash.
- Built-in 10 kinds of dynamic modes, including jump or gradual change.
- Automatic sending function: the controller automatically sends the signal to another controller with a control distance of 30 meters.
- Synchronize on multiple controllers.



### Controller Mechanical Structure and Installation



### Technical Parameters

LED Controller	
Input Voltage	12-24VDC
Input Current	15.5A
Output Voltage	5 x (12-24)VDC
Output Current	5CH,3A/CH
Output Power	5 x (36-72)W
Output Type	Constant Voltage

Remote Control	
Output Signal	RF(2.4GHz)
Working Voltage	3VDC(AAAx2)
Working Current	< 5mA
Standby Current	< 10µA
Standby Time	1 Year
Remote Distance	30m(Open and barrier-free)

### Remote Control Button Function

- : Turn on/off the lights.
- : Touch to change RGB color or color temperature. Press RGB or CCT key to switch between RGB color circle and CCT color circle.
- : To adjust the brightness, short press 10 levels, long press for 1-6 seconds to continuously adjust 256 levels.
- : Adjust the color temperature through the warm white or cool white channel, short press 11 levels, and long press to continuously adjust the brightness of warm white and cool white.
 

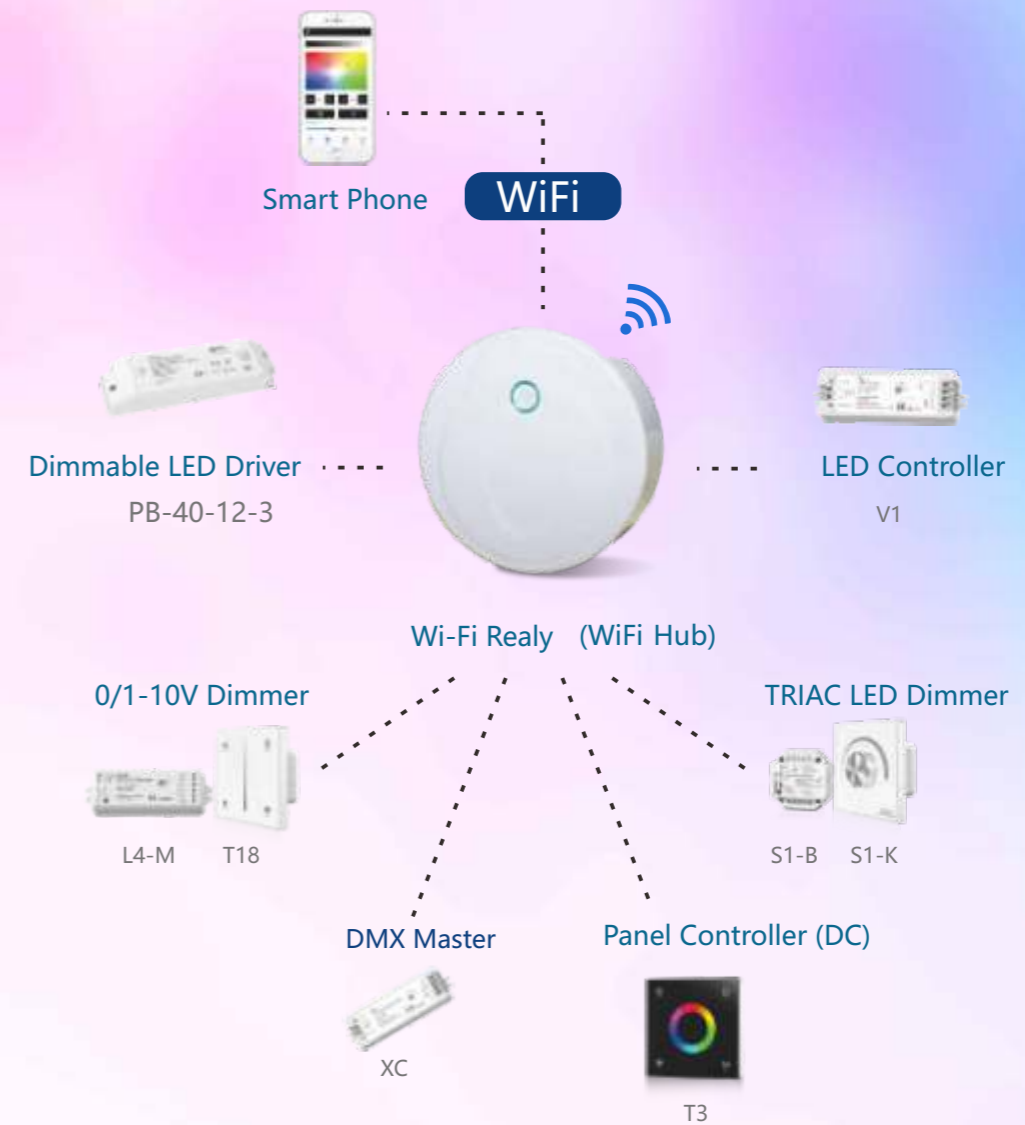
1	6	11
Warm White	Neutral White	Cold White
Warm White 100%	Warm White 100%	Warm White 0%
Cold White 0%	Cold White 100%	Cold White 100%
- : Short press to get 24 static RGB colors.
 

1	5	9	13	17	21	25(1)
R 100%	R 100%	G 100%	G 100%	B 100%	B 100%	R 100%
	S 100%		S 100%		S 100%	
- : Shortly switch the dynamic mode in sequence; long press for 2 seconds to cycle the dynamic mode.
- : For dynamic mode, to adjust the speed, short press 10 levels, and long press the default speed for 2 seconds. For static RGB colors, adjust the saturation, that is, the current static RGB colors will slowly become RGB mixed white, Short-press 11 levels, long-press 1-6 seconds for continuous 256 levels of adjustment.
- : Short press the light to become static red/green/blue. Long press for 1-6 seconds to continuously adjust R/G/B brightness to realize millions of colors.
- : For RGB lights, short press to turn on/off white (warm white/cool white) Long press for 1-6 seconds to continuously adjust (warm white + cool white) channel brightness, that is, to change the saturation by slowly increasing/decreasing white.
- : Short press to bring up the scene, Long press for 2 seconds to save the current colors to S1/S2, save OK, and the LED indicator will show green.





# Wi-Fi Control System Application



## Features

- Can carry all boqi RF2.4G wireless products Including LED controller, LED dimmable driver, 0-10V dimmer and triac dimmer, etc.
- Can realize the lighting effects of dimming, color temperature, RGB, RGBW and RGB+CCT
- You can set 1-16 areas and 8 scene memories
- Can be connected to a USB socket
- Suitable for Android and IOS software (application name:SkySmart)

Model	Input Voltage	Output Signal	Partition Number	Size (mm)
WiFi-Relay	5-24VDC	RF	1-16Partition	Φ72x 25

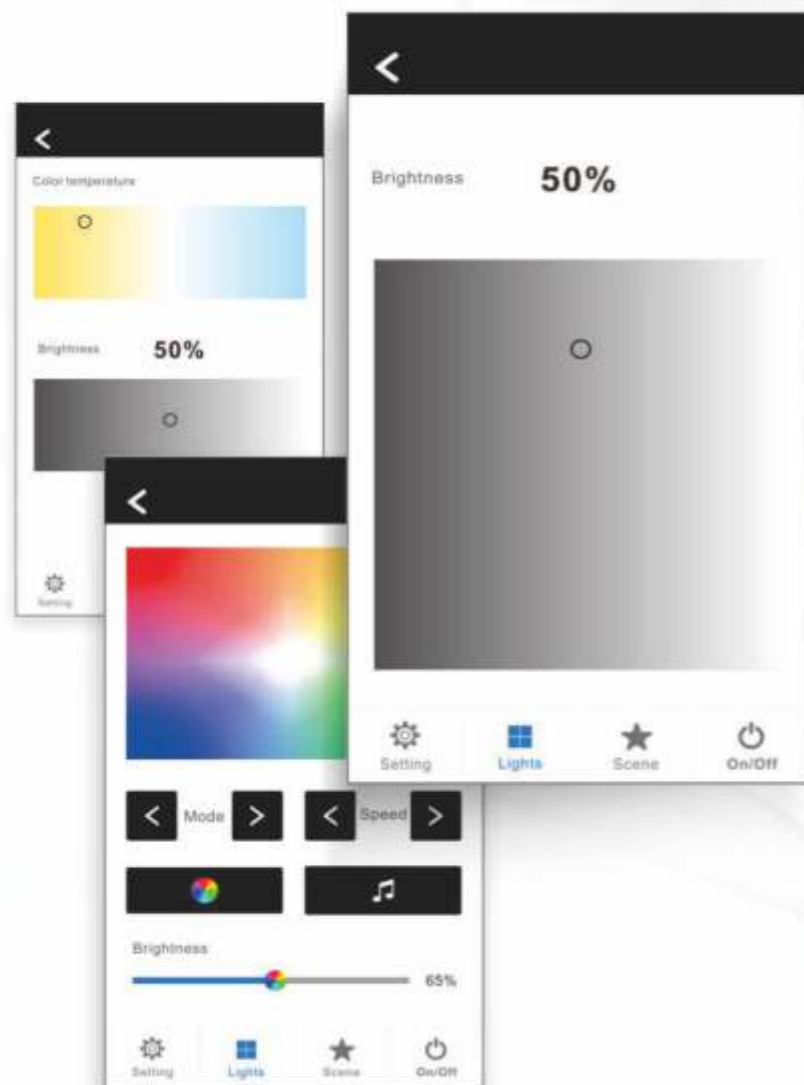
# RF Wireless Lighting Control System

Using the WiFi-relay repeater as a wireless network bridge, connect the APP to the lighting system of the LED controller, and realize the control of the lighting system on the mobile phone. boqi RF LED controller, dimming power supply and dimmer are connected to WiFi-relay to form a lighting control system, making the entire lighting system more intelligent and convenient.

## RF Wireless Lighting Let The Light Bring You a Good Mood

Using boqi RF wireless lighting control system, feel the atmosphere of the light. Through this system, realize the intelligent control of wireless lighting, enjoy the warmth of the light and adjust it according to your mood changes.

RF2.4G



Work Overtime



Watching TV



Entertainment Party

## Tuya Wi-Fi & Bluetooth & Zigbee Series

boqi RF Wi-Fi&Bluetooth&Zigbee series products include 1-5 colors RF wireless led controller, AC triac dimmer&Switch, 0/1-10V Push dimmer, led dimmable driver and gateway ect, support Tuya APP cloud control, voice control, RF remote control, comes with music playback, scene storage, timer ect functions, easy to achieve a smart control for lights turning on/off , dimming and color adjusting.



### RF Wi-Fi Series (Tuya)



Model	Input Voltage	Input Current	Output Voltage	Output Current	Output Power	Size
WT5	12-24VDC	15.5A	5x(12-24)VDC	5CH, 3A/CH	5x(36-72)W	L114*W38*H20mm
WT1	12-36VDC	10.5A	2x(12-36)VDC	2CH, 5A/CH	2x(60-180)W	L114*W38*H20mm
V3-L(WT)	12-48VDC	18.5A	3x(12-48)VDC	3CH, 6A/CH	3x(72-288)W	L175*W45*H27mm
V5-L(WT)	12-48VDC	30.5A	5x(12-48)VDC	5CH,6A/CH 5CH,4A/CH	/	L179*W56*H30mm
V2-S(WT)	12-36V	10.1A	12-36V	10A	120-360W	L175*W45*H27mm
S1-B(WT)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm
SS-B(WT)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm
L1(WT)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size(mm)
PT-12A-2(WT)	12W-2x(150mA/200mA/250mA/ 300mA/350mA/400mA/450mA/500mA)	10-45VDC	100-240VAC	>0.92/230CVC	<8%	>77%	L131*W37*H20.5
PT-20A-2(WT)	20W-2x(300mA/350mA/400mA/ 450mA/500mA/550mA/600mA/ 650mA/700mA/750mA/800mA/ 850mA/900mA/950mA/1000mA/ 1050mA)	10-52VDC	100-240VAC	>0.95/230CVC	<8%	>82%	L151*W41*H30
PT-40A-2(WT)	40W-2x(450mA/500mA/550mA/ 600mA/650mA/700mA/750mA/ 800mA/850mA/900mA/950mA/ 1000mA/1050mA/1100mA/1150mA/ 1200mA)	10-52VDC	100-240VAC	>0.98/230CVC	<6%	>85%	L133*W88*H30
CXR-21A-2(WT)	21W-2x(150mA/200mA/250mA/300mA/ 350mA/400mA/450mA/500mA)	10-42VDC	48VDC	/	/	>93%	L117*13.5*12.2
CXR-28A-2(WT)	29.4W-2x(350mA/400mA/450mA/500mA/ 550mA/600mA/650mA/700mA)	10-42VDC	48VDC	/	/	>95%	L117*13.5*12.2



RF Bluetooth Series (Tuya)



Model	Input Voltage	Input Current	Output Voltage	Output Current	Output Power	Size
WB5	12-24VDC	15.5A	5x(12-24)VDC	5CH,3A/CH	5x(36-72)W	L114*W38*H20mm
WB1	12-36VDC	10.5A	2x(12-36)VDC	2CH,5A/CH	2x(60-180)W	L114*W38*H20mm
V5-L(WB)	12-48VDC	30.5A	5x(12-48)VDC	5CH,6A/CH 5CH,4A/CH	/	L179*W56*H30mm
S1-B(WB)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm
SS-B(WB)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm
L1(WB)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm



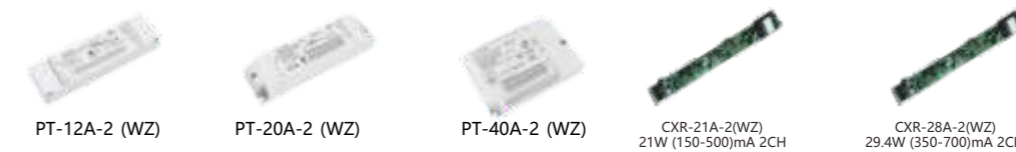
Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size(mm)
PT-12A-2(WB)	12W-2x(150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA)	10-45VDC	100-240VAC	>0.92/230CVC	<8%	>77%	L131*W37*H20.5
PT-20A-2(WB)	20W-2x(300mA/350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA)	10-52VDC	100-240VAC	>0.95/230CVC	<8%	>82%	L151*W41*H30
PT-40A-2(WB)	40W-2x(450mA/500mA/550mA/600mA/650mA/700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA/1100mA/1150mA/1200mA)	10-52VDC	100-240VAC	>0.98/230CVC	<6%	>85%	L133*W88*H30
CXR-21A-2(WB)	21W-2x(150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA)	10-42VDC	48VDC	/	/	>93%	L117*13.5*12.2
CXR-28A-2(WB)	29.4W-2x(350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA)	10-42VDC	48VDC	/	/	>95%	L117*13.5*12.2



RF ZigBee Series (Tuya)



Model	Input Voltage	Input Current	Output Voltage	Output Current	Output Power	Size
WZ5	12-24VDC	15.5A	5x(12-24)VDC	5CH,3A/CH	5x(36-72)W	L114*W38*H20mm
WZ1	12-36VDC	10.5A	2x(12-36)VDC	2CH,5A/CH	2x(60-180)W	L114*W38*H20mm
V5-L(WZ)	12-48VDC	30.5A	5x (12-48) VDC	5CH,6A/CH 5CH,4A/CH	/	L179*W56*H30mm
V2-S(WZ)	12-36VDC	10.1A	12-36VDC	10A	120-360W	L175*W45*H27mm
L1(WZ)	AC100-240VDC	/	/	/	/	L52*W52*H26mm
S1-B(WZ)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm
SS-B(WZ)	AC100-240V	/	AC100-240V	Max 1.5A	150-360W	L52*W52*H26mm



Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size(mm)
PT-12A-2(WZ)	12W-2x(150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA)	10-45VDC	100-240VAC	>0.92/230CVC	<8%	>77%	L131*W37*H20.5
PT-20A-2(WZ)	20W-2x(300mA/350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA)	10-52VDC	100-240VAC	>0.95/230CVC	<8%	>82%	L151*W41*H30
PT-40A-2(WZ)	40W-2x(450mA/500mA/550mA/600mA/650mA/700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA/1100mA/1150mA/1200mA)	10-52VDC	100-240VAC	>0.98/230CVC	<6%	>85%	L133*W88*H30
CXR-21A-2(WZ)	21W-2x(150mA/200mA/250mA/300mA/350mA/400mA/450mA/500mA)	10-42VDC	48VDC	/	/	>93%	L117*13.5*12.2
CXR-28A-2(WZ)	29.4W-2x(350mA/400mA/450mA/500mA/550mA/600mA/650mA/700mA)	10-42VDC	48VDC	/	/	>95%	L117*13.5*12.2



# SENSOR SERIES



## Sensor Series

boqi sensors include sensor dimmer, sensor switch and sensor remote control, providing a complete sensor lighting control solution

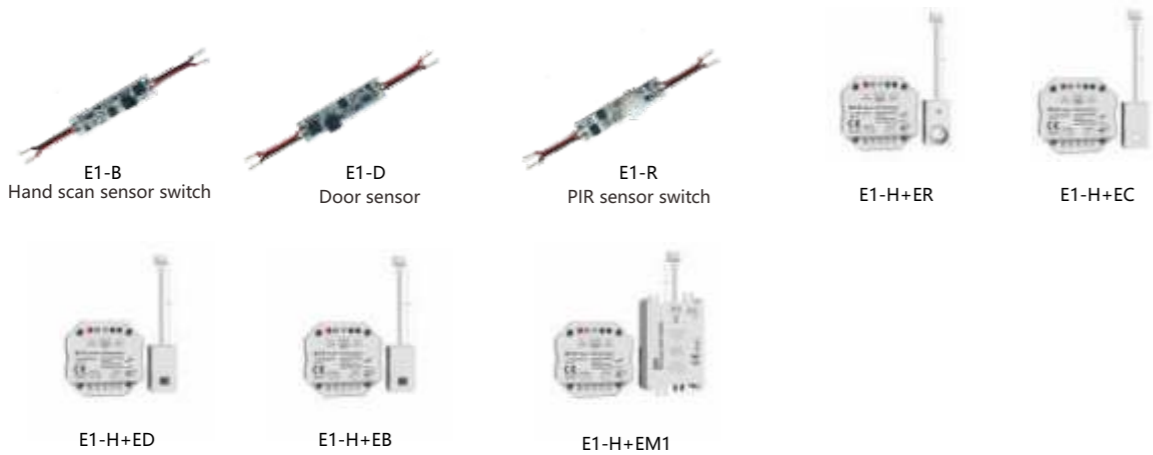


### RF Microwave Remote Control



Model	ER1/ER3	ER2
Working Voltage	9-24VDC	9-24VDC
Output Signal	RF 2.4GHz	RF 2.4GHz
High Frequency System	10.525GHz	10.525GHz
Power Consumption	<0.5W (Standby) , <1W (Running)	<0.5W (Standby) , <1W (Running)
Detection Zone	Max (DxH) 20 x 15m	Max (DxH) 20 x 15m
Detection Sensitivity	10%/ 25%/ 50%/ 75%/ 100%	10%/ 25%/ 50%/ 75%/ 100%
Standby Time	10s / 30s / 90s / 3min / 10min / 20min / 30min	10s / 30s / 90s / 3min / 10min / 20min / 30min
Daylight sensor	10lux / 30lux / 50lux / 100lux / 150lux / 200lux / Forbid	50lux / 100lux / 150lux / 200lux / 250lux / 300lux / 400lux
Installation Height	15m Max,	15m Max,
Motion Detection	0.5-3m / s	0.5-3m / s
Detection Angle	150° (Wall mount) , 360° (Ceiling installation)	150° (Wall mount) , 360° (Ceiling installation)

### Sensor Switch



Model	Input Voltage	Output Voltage	Output Power	Detection Distance	Detection Angle	Size
E1-B	12-24VDC	12-24VDC	Max. 48W@12V, Max. 96W@24V	≤8cm	15-30	L50*W11*H9mm
E1-D	12-24VDC	12-24VDC	Max. 48W@12V, Max. 96W@24V	≤10cm	15-30	L50*W11*H7.5mm
E1-R	12-24VDC	12-24VDC	Max. 36W@12V, Max. 72W@24V	≤3m	120	L50*W11*H12mm
E1-H+ER	100-240VDC	100-240VDC	300-720W	/	120	L52*W52*H26 +33.5*19*16mm
E1-H+EC	100-240VDC	100-240VDC	300-720W	/	/	L52*W52*H26 +33.5*19*14mm
E1-H+ED	100-240VDC	100-240VDC	300-720W	≤10cm	15-30	L52*W52*H26 +33.5*19*12.5mm
E1-H+EB	100-240VDC	100-240VDC	300-720W	≤8cm	15-30	L52*W52*H26 +33.5*19*12.5mm
E1-H+EM1	100-240VDC	100-240VDC	300-720W	/	150°, 360°	L52*W52*H26 +73.5*42.5*22mm



### Touch Sensor LED Dimmer



Model	Input Voltage	Output Voltage	Output Power	Output Type	Input Signal	Dimming Range	PWM Frequency	Size
E1-C	12-24VDC	12-24VDC	Max. 48W@12V Max. 96W@24V	CV	Touching	0-100%	128Hz	L50*W7.8*H10mm
E1-S+ER	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +33.5*19*16mm
E1-S+EC	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	128Hz	L52*W52*H26 +33.5*19*14mm
E1-S+ED	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +33.5*19*12.5mm
E1-S+EB	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +33.5*19*12.5mm
E1-S+EM1	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +73.5*42.5*22mm
E1-S+EM2	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +73.5*42.5*22mm
E1-S+EM3	100-240VDC	100-240VDC	150-360W	/	Sensor+ RF 2.4GHz	0-100%	/	L52*W52*H26 +73.5*42.5*22mm
E1-L+ER	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +33.5*19*16mm
E1-L+EC	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	0-100%	128Hz	L52*W52*H26 +33.5*19*14mm
E1-L+ED	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +33.5*19*12.5mm
E1-L+EB	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +33.5*19*12.5mm
E1-L+EM1	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +73.5*42.5*22mm
E1-L+EM2	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +73.5*42.5*22mm
E1-L+EM3	12-48VDC	12-48VDC	96W@12V, 192W@24V 288W@36V, 384W@48V	CV	/	/	/	L52*W52*H26 +73.5*42.5*22mm

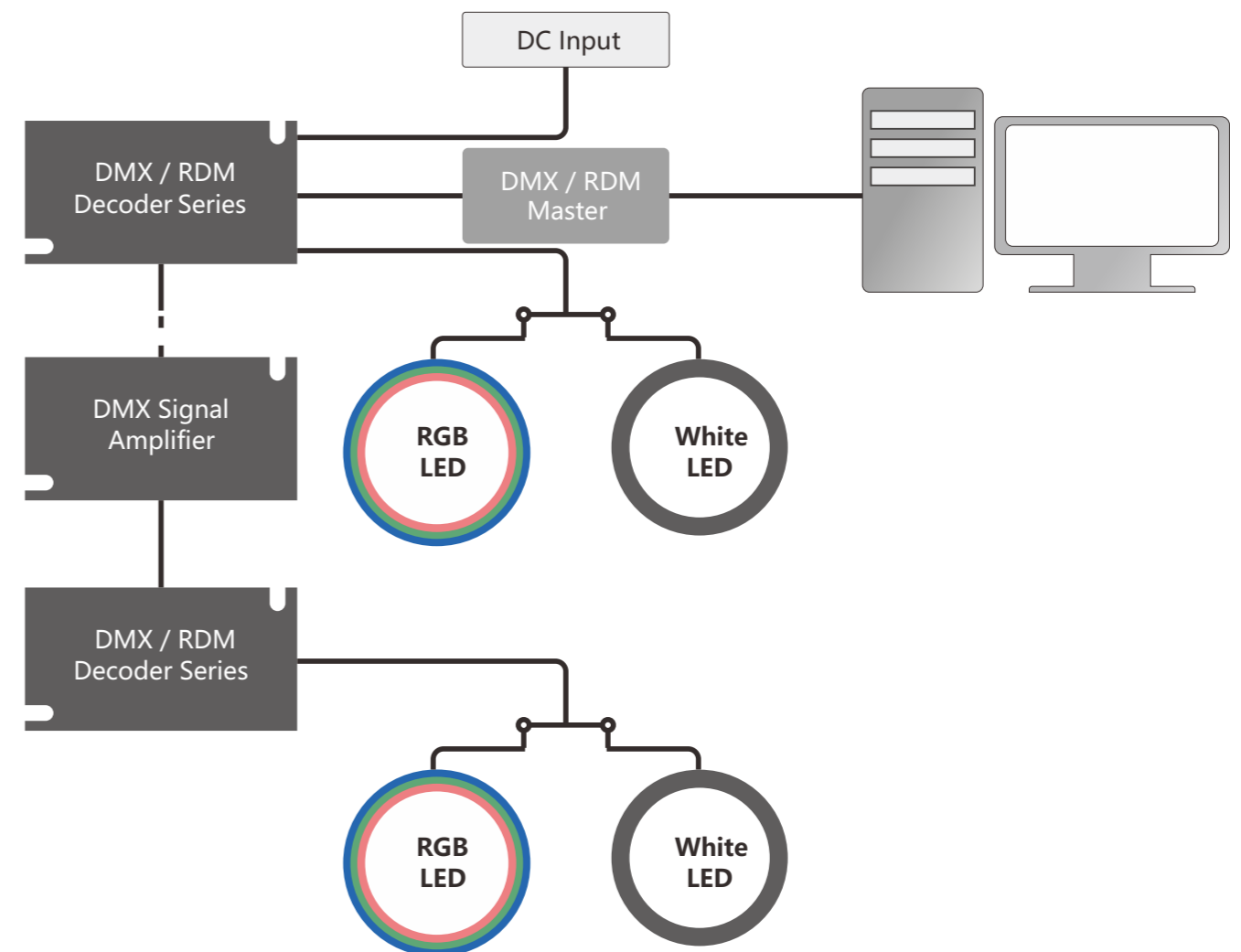
### PIR Sensor Stair Light Controller



Model	Input Voltage	Output Voltage	Output Current	Output Power	Output Type	Size
ES32	5-24VDC	32x(5-24)VDC	32CH, 1A/CH	32x(5-24)W	CV+SPI (TTL)	L186*W86*H25.5mm

# DMX512 CONTROL SYSTEM

# DMX512 Control System



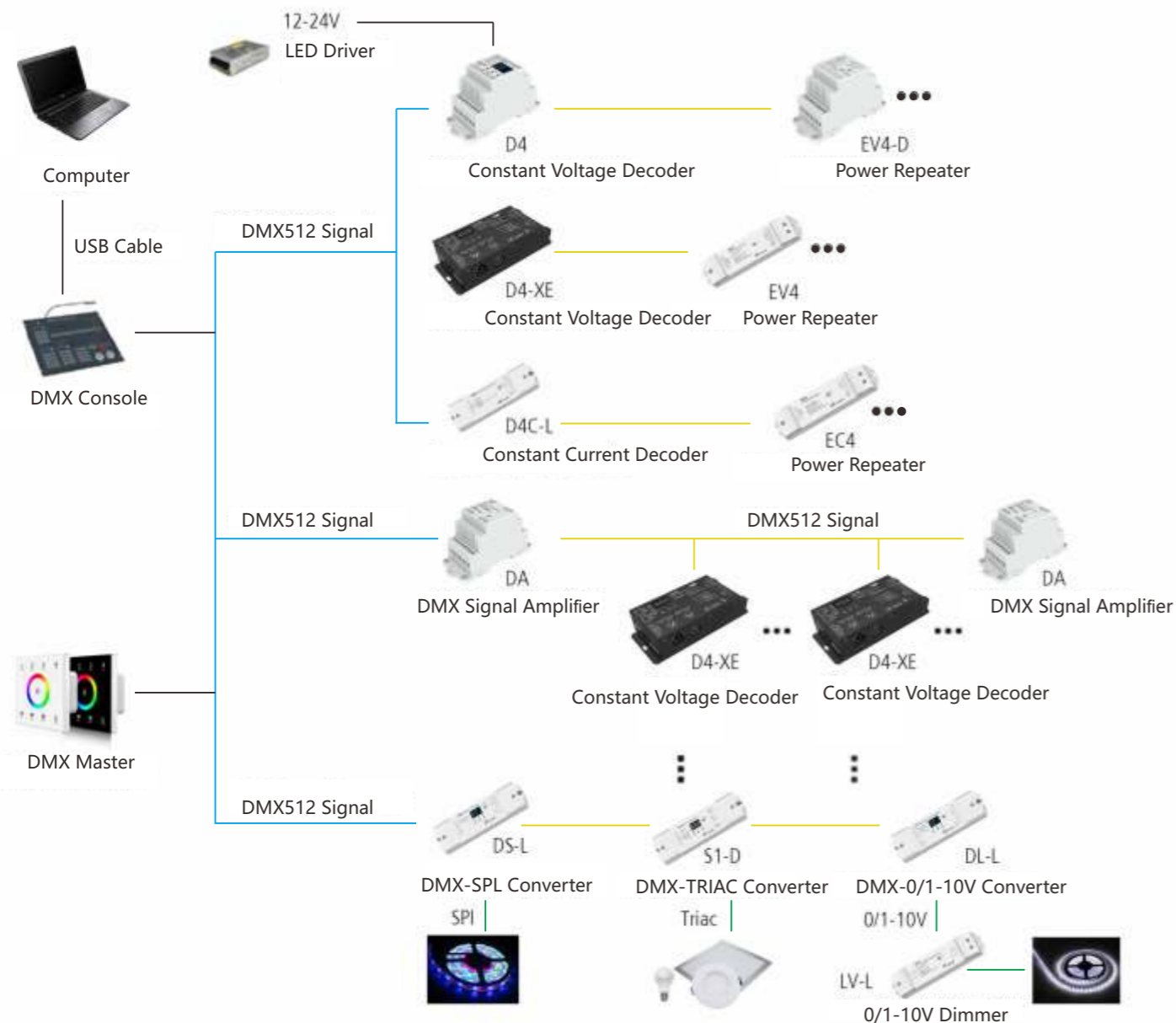
# DMX512 Decoder

boqi DMX controllers are designed with the latest DMX512, DMX512(1990), DMX512-A and RDM standard protocols which enable users to set DMX address, choose output channel quantity, PWM output frequency and output brightness curve manually.

The advanced RDM decoder features bi-directional communication function which enables DMX console to detect decoder, displays decoder information and sets DMX address.

The DMX lighting control system consists of DMX console(DMX master) that sends DMX control signal and DMX decoder (DMX slave) which receives the control signal and outputs PWM signal to connected LED lights. Furthermore, with an additional DMX Signal amplifier DA, the DMX control signal will be double extended.

With built-in RF 2.4G module, the DMX master can be controlled by a variety of single color, dual color, RGB, RGBW, RGB+CCT Remotes.



## DMX512 Series



### DMX Constant Voltage Decoder



Model	Input Voltage	Output Current	Output Power	Size
D1-L	12-24VDC	1CH, 15A/CH	12V<180W, 24V<360W	L170*W50*H23mm
D4-L	12-24VDC	4CH, 5A/CH	12V<240W, 24V<480W	L170*W50*H23mm
D3-L	12-24VDC	3CH, 6A/CH	12V<216W, 24V<432W	L170*W50*H23mm
D4	12-24VDC	4CH, 5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
D4-XE	12-36VDC	4CH, 8A/CH	12V<384W, 24V<768W, 36V<1152W	L165*W70*H37mm
D3-XE	12-36VDC	3CH, 10A/CH	12V<360W, 24V<720W, 36V<1080W	L165*W70*H37mm
D4-E	12-48VDC	4CH, 8A/CH	12V<4x96W, 24V<4x192W 36V<4x216W 48V<4x288w	L175*W46*H32mm
D4-P	12-48VDC	4CH, 8A/CH	12V<4x96W, 24V<4x192W 36V<4x216W 48V<4x288w	L175*W46*H32mm
D4-WP	12-36VDC	4CH, 5A/CH	12V<240W, 24V<480W, 36V<720W	L176*W78*H38mm
D12	12-24VDC	12CH, 5A/CH	12V<720W, 24V<1440W	L160*W88*H60mm
D24	12-24VDC	24CH, 3A/CH	12V<864W, 24V<1728W	L160*W88*H60mm
D3-P	12-24VDC	3CH, 3A/CH	12V<144W, 24V<288W	L90*W50.5*H15.5mm
D4-S	12-24VDC	4CH, 6A/CH	12V<384W, 24V<768W	L130*W57*H30.5mm
D4-M	12-24VDC	4CH, 6A/CH	12V<384W, 24V<768W	L136*W67*H37.5mm
D5	12-24VDC	5CH, 6A/CH	12V<360W, 24V<720W	L170*W86*H39.5mm
D12A	12-24VDC	12CH, 5A/CH	12V<720W, 24V<1440W	L246*W116*H38.5mm
D24A	12-24VDC	24CH, 5A/CH	12V<1440W, 24V<2880W	L324*W116*H38.5mm
D5-E	12-48VDC	5CH, 4A/CH	12V<5x48W, 12V<5x192W	L175*W46*H32mm
D5-P	12-48VDC	5CH, 4A/CH	12V<5x48W, 12V<5x192W	L175*W46*H32mm



DMX Series



DMX Constant Current Decoder



D4C-L(350mA)



D4C-L(700mA)



D4C(350mA)



D4C(700mA)



D4C-XE(350mA)



D4C-XE(700mA)



D32C(350mA)



D32C(700mA)

Model	Input Voltage	Output Type	Output Current	Output Power	Size
D4C-L(150-500mA)	12-48VDC	Constant current	4CH, 150-500mA/CH	4 x (0.45-22.5)W	L170*W50*H23mm
D4C-L(350-1200mA)	12-48VDC	Constant current	4CH, 350-1200mA/CH	4 x (1.05-54)W	L170*W50*H23mm
D4C(150-500mA)	12-48VDC	Constant current	4CH, 150-500mA/CH	4 x (0.45-22.5)W	L115*W48*H67mm
D4C(350-1200mA)	12-48VDC	Constant current	4CH, 350-1200mA/CH	4 x (1.05-54)W	L115*W48*H67mm
D4C-XE(700-1750mA)	12-48VDC	Constant current	4CH, 700-1750mA/CH	4x (2.1-78.75)W	L165*W70*H37mm
D32C(350mA)	12-48VDC	Constant current	32CH, 350mA/CH	32x (1-16.1)W	L482*W278*H44mm
D32C(700mA)	12-48VDC	Constant current	32CH, 700mA/CH	32x (2.1-32.2)W	L482*W278*H44mm

DMX-SPI Decoder



DS



DS-L



DSA

Model	Input Voltage	Input Signal	Output Signal	Input Point	Size
DS	5-24VDC	DMX512+RF2.4G	SPI	900	L115*W48*H67mm
DS-L	5-24VDC	DMX512+RF2.4G	SPI x 2	900	L170*W50*H23mm
DSA	5-24VDC	DMX512+RF2.4G	SPI x 3	900	L165*W70*H37mm

DMX Decoder (For High Voltage LED Strip)



S3-DX



S4-DX

Model	Input Voltage	Input Current	Output Voltage	Output Current	Output Power	Size
S3-DX	110-240VAC	4.6A	3 x (110-240)VDC	3CH, 1.5A/CH	3x (165-360)W	L165*W70*H37mm
S4-DX	110-240VAC	8A	4 x (110-240)VDC	4CH, 2A/CH	4x (220-480)W	L201*W119*H38mm

# 4 CHANNEL CV DMX512 & RDM DECODER

## Water proof with IP67 for outdoor usage

Comply with the DMX512 standard protocols.

RDM function,  
Stand-alone function,  
Logarithmic or linear dimming curve selectable.



# Wall Mounted Touch Panel

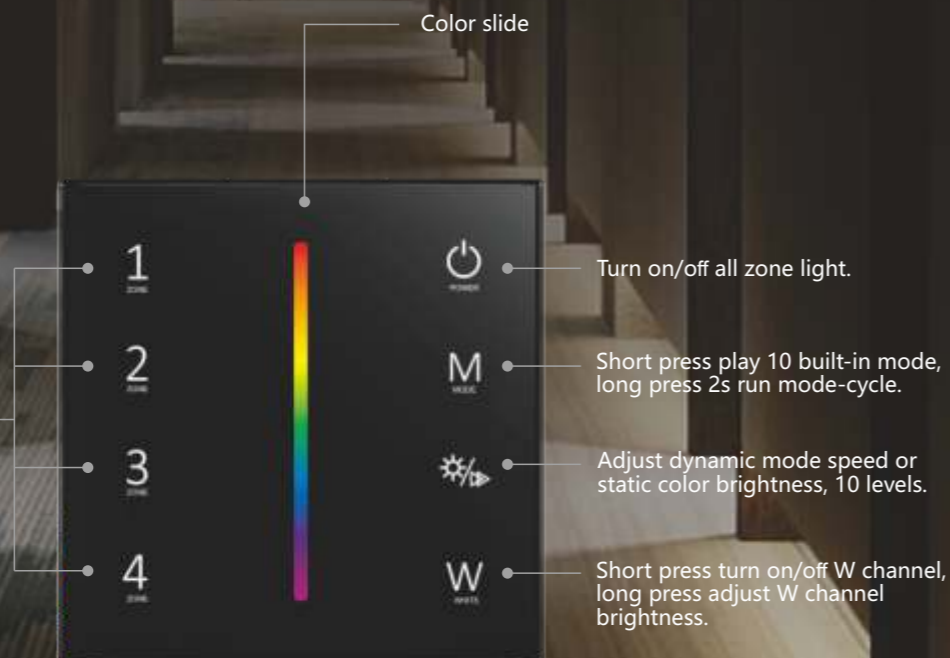
## AC Input / DMX512 & RF 2.4G Signal Output

### Touch panel 4 zones RGBW DMX512 master

DMX signal output, compatible with DMX decoder.  
Can also be used as 4 zones RGBW RF remote to work with boqi's 2.4G LED controllers.

Ultra sensitive & high strength glass panel.  
Smooth and accurate color adjustment by touching.  
Touch keys with chord tones and LED indicator.

Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light. 4 zone control separately or synchronously, each zone could control multiple receivers.



### DMX Series

#### DIM DMX Panel Master



Model	Light Type	Input Voltage	DMX Address	Size
T11	4 Zone Dimming	100-240VAC	4	L86*W86*H33mm
T11(IT)	4 Zone Dimming	100-240VAC	4	L120*W80*H37mm
T11-1	4 Zone Dimming	100-240VAC	4	L86*W86*H33mm
T11-K	1 Zone Dimming	100-240VAC	1	L86*W86*H49mm

#### CCT DMX Panel Master



Model	Light Type	Input Voltage	DMX Address	Size
T12	4 Zone CCT	100-240VAC	8	L86*W86*H33mm
T12(IT)	4 Zone CCT	100-240VAC	8	L120*W80*H37mm
T12-1	4 Zone CCT	100-240VAC	8	L86*W86*H33mm
T12-K	1 Zone CCT	100-240VAC	2	L86*W86*H49mm

#### RGB DMX Panel Master



Model	Light Type	Input Voltage	DMX Address	Size
T13	4 Zone RGB	100-240VAC	12	L86*W86*H33mm
T13(IT)	4 Zone RGB	100-240VAC	12	L120*W80*H37mm
T13-1	4 Zone RGB	100-240VAC	12	L86*W86*H33mm
T13-K	1 Zone RGB	100-240VAC	3	L86*W86*H49mm

#### RGBW DMX Panel Master



Model	Light Type	Input Voltage	DMX Address	Size
T14	4 Zone RGBW	100-240VAC	16	L86*W86*H33mm
T14(IT)	4 Zone RGBW	100-240VAC	16	L120*W80*H37mm
T14-1	4 Zone RGBW	100-240VAC	16	L86*W86*H33mm



## DMX Series



Universal DMX Panel Master (RGB+CCT, RGBW, RGB, CCT, DIM)



Model	Light Type	Input Voltage	DMX Address	Size
T15	4 Zone RGB+CCT	100-240VAC	20	L86*W86*H33mm
T15(IT)	4 Zone RGB+CCT	100-240VAC	20	L120*W80*H37mm
T15-1	4 Zone RGB+CCT	100-240VAC	20	L86*W86*H33mm
T16-1X	1 Zone(Universal)	100-240VAC	8	L86*W86*H33mm
T16-2X	4 Zone&scene(Universal)	100-240VAC	8	L86*W86*H33mm
T16-3X	6 Zone&scene(Universal)	100-240VAC	8	L86*W86*H33mm
T16-X	8 Zone&scene(Universal)	100-240VAC	8	L86*W86*H33mm
PK4	4 Zone&scene(Universal)	100-240VAC	8	L86*W86*H35.5mm
PK8	8 Zone&scene(Universal)	100-240VAC	8	L86*W86*H35.5mm

## 6 Channel DMX Dimming Master



AJ6

### Features

1. 6 push rod DMX dimmer, digital tube display.
2. Comply with DMX512 standard protocol.
3. Powered by DC5-12V adapter or 3 AAA batteries.
4. 3-digit Screen display.

Product Parameters:

Model	AJ6	Product Name	6 Channel DMX Dimmer
<b>Technical Parameters</b>			
Input Voltage	5-12VDC or 3*AAA	Working Current	<10mA
Output Signal	DMX512	Number Of Channels	6
		Product Size	97×33×18mm (Length×width×height)
<b>Environment</b>		<b>Safety and EMC</b>	
Operating Temperature	- 30°C~+55°C	EMC Standard (EMC)	EN55032:2015/EN61000-3-2:2014, EN61000-3-2:2013/EN55024:2010/A1:2015
Case Temperature (max)	+65°C	Safety Standard (LVD)	EN 61347-1:201, 5EN 61347-2-11:2015
IP Grade	IP20	Certification	CE, EMC, LVD
<b>Quality assurance</b>		<b>Protection</b>	
Warranty	5 years	Protection	Avoid converse connect



## DMX Series



DMX512 Master



Model	Input Voltage	Standby Power	Input Signal	Output Signal	Size
XC	5-24VDC	1W	RF 2.4GHz	DMX512	L97*W33*H18mm
XC-D	100-240VAC	Max. 1W	RF 2.4GHz	DMX512	L115*W48*H67mm

## DMX512 Signal Amplifier

1. DMX512 signal amplifier is dedicated to signal amplification, distribution and isolation of DMX512 (or RS-485) bus.
2. Long-distance transmission of DMX signals, or attenuation of DMX signals after multiple DMX decoder devices are connected in parallel, are reshaped and amplified to extend the signal transmission distance.
3. 1 input, 1/2/4 output, photoelectric isolation between input and output.



Model	Input Voltage	Input Signal	Output Signal	Size
DA	12-36VDC	DMX512	2xDMX512	L115*W48*H67mm
DM	12-36VDC	DMX512	DMX512	L115*W48*H67mm
DMA	12-36VDC	DMX512	4xDMX512	L256*W92*H38mm

# DMX RDM SIGNAL AMPLIFIER(REPEATER)

One DMX512 signal input, one DMX512 signal output

**Bidirectional signal amplifier to transmit RDM signal.**

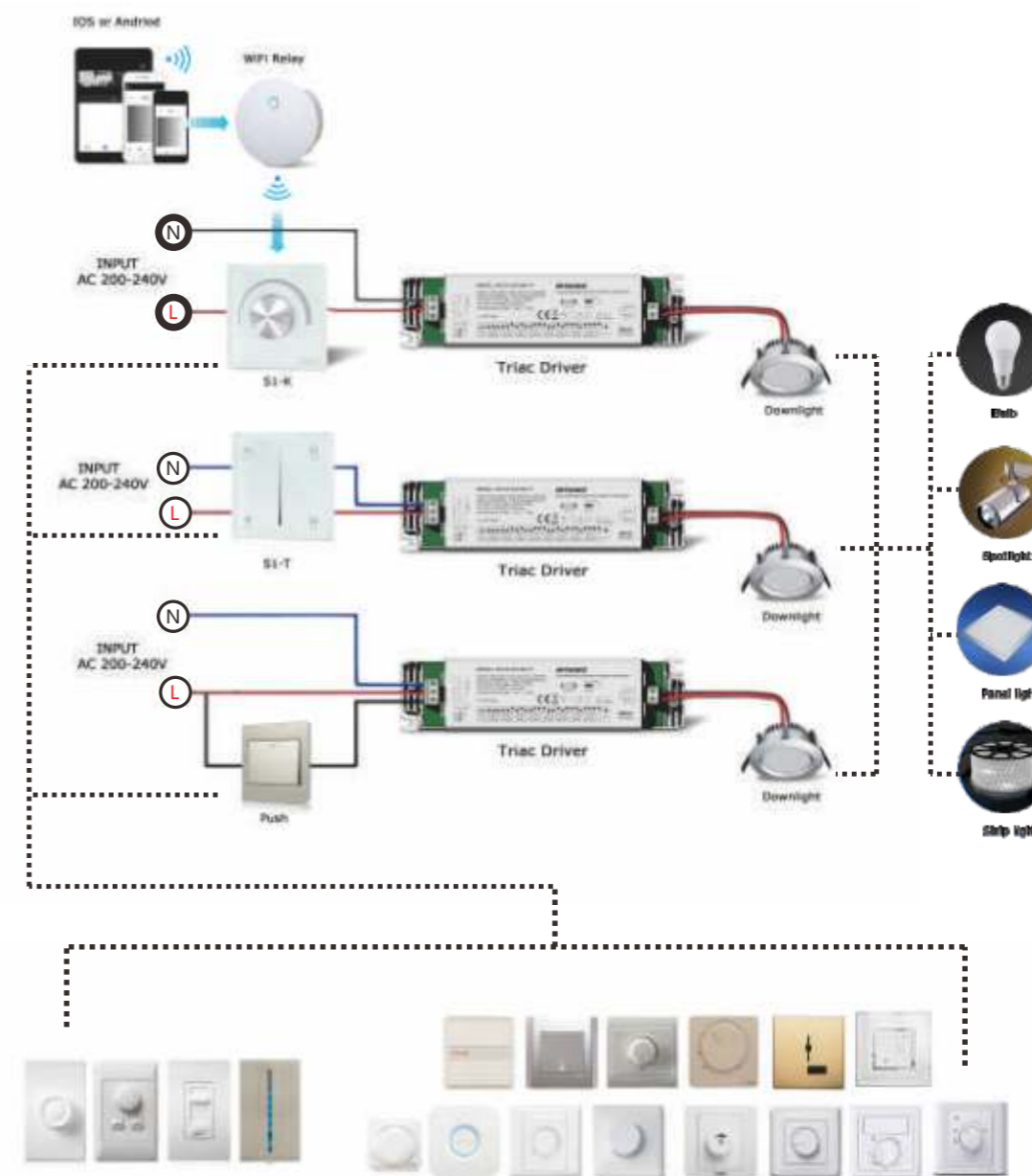
Dedicated to amplify and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512(or RS-485).

Realize extending the signal transmission distance. Photo-electricity insulation between input and output terminals.

# AC TRIAC DIMMER SERIES

## AC TRIAC Series

boqi offers a complete AC TRIAC control system that contains TRIAC dimmer/ switch, TRIAC dimmable LED driver, and DMX512 TRIAC Converter. The TRIAC dimmer with AC input and AC output to dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights. Working with a WiFi-Relay converter, the TRIAC dimmer can be WiFi controlled via APP installed on IOS or Android devices. It is also compatible with a variety of single color RF remotes. The TRIAC dimmable LED driver is controlled by AC TRIAC dimmer. TRIAC dimmable LED driver supports to dim the LEDs' brightness from 0 to 100% without any flicker. They are all compatible with major control systems of Lutron, Dynalite, Clipsal, Osram, Philips, ABB, Schneider, Simens, Berker, legrand etc.





## TRIAC Series



boqi triac dimmer series include triac panel dimmer, RF TRIAC dimmer, DMX TRIAC dimmer, DALI TRIAC dimmer, respectively through the knob or touch panel, RF dimming remote control, DMX512 console and DALI master control realize turn on/off and dimming of monochromatic dimmable LED lights, incandescent lamp and high-voltage halogen lamp. boqi TRIAC dimmer built-in high performance MCU, achieve 256 levels of 0~100% smooth and precise dimming, can choose leading edge or trailing edge dimming, and set the minimum brightness.

### TRIAC Panel Dimmer



S1-T

Model	Input Voltage	Output Voltage	Output Current	Output Power	Size
S1-T	100-240VAC	100-240VAC	1CH,1.5A/CH	150-360W	L86*W86*H33mm

### RF Wireless TRIAC Dimmer



S1-B



S1



S1-L



TR1

Model	Input Voltage	Output Voltage	Output Current	Output Power	Size
S1-B	100-240VAC	100-240VAC	1CH,1.5A/CH	150-360W	L52*W52*H26mm
S1	100-240VAC	100-240VAC	1CH,2A/CH	200-480W	L103*W67*H30mm
S1-L	100-240VAC	100-240VAC	1CH,2A/CH	200-480W	L175*W45*H27mm
TR1	100-240VAC	100-240VAC	1CH,2A/CH	200-480W	L115*W48*H67mm

### RF Wireless AC Switch



SS-B



SS-C

Model	Input Voltage	Output Voltage	Output Current	Output Power	Size
SS-B	100-240VAC	100-240VAC	≤1.5A	150-360W	L52*W52*H26mm
SS-C	100-240VAC	100-240VAC	≤3A	300-720W	L52*W52*H26mm



## TRIAC Series



### DMX TRIAC Dimmer



S1-D



S1-DR



S1-D1

Model	Input Voltage	Input Signal	Output Voltage	Output Current	Output Power	Size
S1-D	100-240VAC	DMX512	100-240VAC	1CH,1A/CH	100-240W/CH	L170*W50*H23mm
S1-DR	100-240VAC	DMX512	100-240VAC	2CH,1.5A/CH	150-360W/CH	L115*W48*H67mm
S1-D1	100-240VAC	DMX512	100-240VAC	1CH,2A/CH	200-480W	L115*W48*H67mm

### DALI TRIAC Dimmer



DT

Model	Input Voltage	Input Signal	Output Voltage	Output Current	Output Power	Size
DT	100-240VAC	DALI	100-240VAC	1CH,1.5A/CH	150-360W	L187*W46*H22mm

### OLED Screen TRIAC Dimmer



SK1



SK2

Model	Input Voltage	Input Signal	Output Voltage	Output Current	Output Power	Size
SK1	100-240VAC	DMX512, 0/1-10V RF2.4G, knob	100-240VAC	1CH,6A/CH	600-1440W	L168*W93.5*H63mm
SK2	100-240VAC	DMX512	100-240VAC	1CH,6A/CH	600-1440W	L168*W93.5*H63mm

# AC TRIAC RF

## RF + Push-dim AC phase-cut dimmer

To dim single color dimmable LED lamps, traditional incandescent and halogen lights.

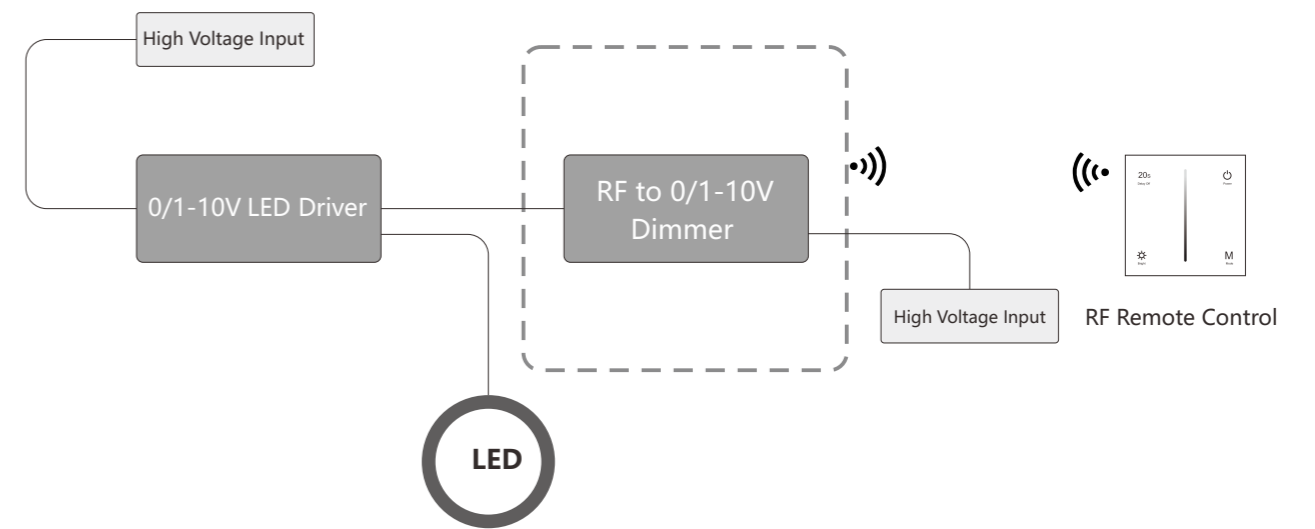
Triac and Mosfet dimmable.  
Leading edge or trailing edge dimming set via dip switch.  
Minimum brightness setting via button.



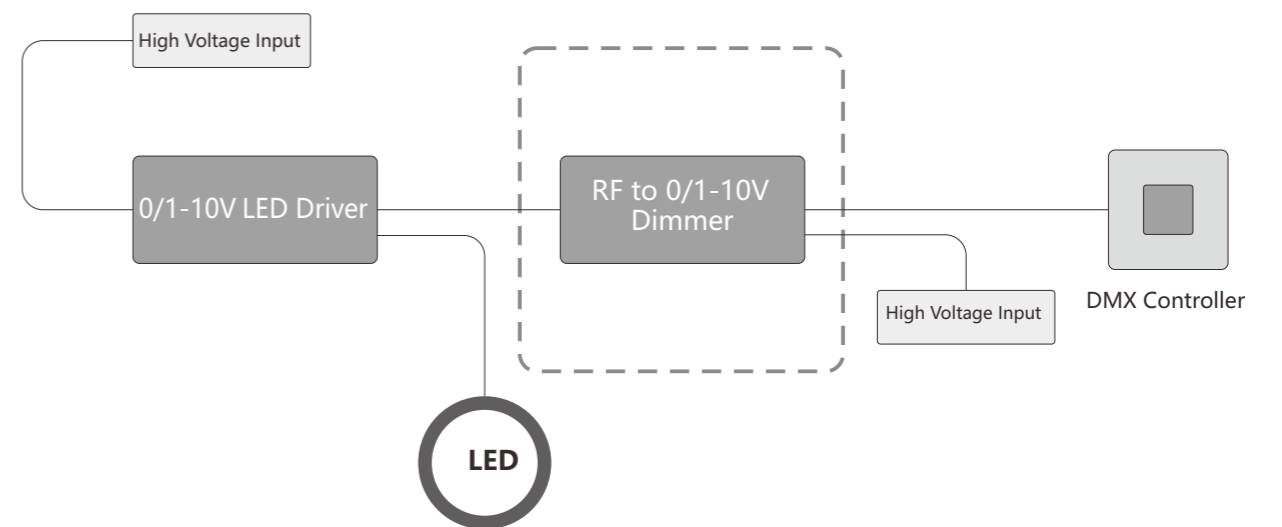
# 0/1-10V SERIES

# 0/1-10V LED Series

## RF to 0/1-10V



## DMX512 to 0/1-10V



## 0/1-10V Series



The 0/1-10V series perfectly solves the problem of compatibility between the fluorescent lamp dimming system and LED lighting. boqi 0/1-10V series products have a built-in high-performance MCU that supports five-in-one dimming, and 0~100% dimming range. Logarithmic characteristic dimming, compatible with various brands of 0/1-10V dimmers and control systems on the market, such as Lutron, EVITIN, Schneider, etc. boqi 0/1-10V series includes 0/1-10V panel dimmer, RF or DMX to 0/1-10V signal converter, 0/1-10V low voltage dimming driver, 0/1-10V dimming constant voltage power supply, 0/1-10V dimming constant current power supply and other products, provide a complete 0/1-10V lighting control System solution.

### 0/1-10V Panel Dimmer



T18



T18-1(4 Zone)

Model	Input Voltage	Output Signal	Output Current	Size
T18	100-240VAC	0/1-10V	0/1-10V $\leq 20\text{mA}$ , AC $\leq 1.5\text{A}$	L86*W86*H33mm
T18-1	100-240VAC	4CH 0/1-10V	4CH, $\leq 10\text{mA/CH}$	L86*W86*H33mm

### RF 0/1-10V Dimmer



L1



L4-M



L4-ML

Model	Input Voltage	Input Signal	Output Signal	Output Current	Size
L1	220VAC	RF2.4G+Push switch	0/1-10V	0/1-10V $\leq 20\text{mA}$ , AC $\leq 1.5\text{A}$	L52*W52*H26mm
L4-M	220VAC/12VDC	RF2.4G	4CH, 0-10V	4CH, 10mA/CH	L114*W38*H20mm
L4-ML	220VAC/12-24VDC	RF2.4G	4CH x 0/1-10V	0/1-10V 20mA/CH, AC $\leq 3\text{A}$	L175*W45*H27mm

### DMX 0/1-10V Dimmer



DL



DL-L

Model	Input Voltage	Input Signal	Output Signal	Output Current	Size
DL	12-24VDC	DMX512	4CH, 0/1-10V	4CH, 20mA/CH	L115*W48*H67mm
DL-L	100-240VAC or 12-24VDC	DMX512	4CH, 0/1-10V	4CH, 20mA/CH	L170*W50*H23mm

### 0/1-10V Constant Voltage LED Controller



LV



LV-L



V1-T



L4-L



L4-D

Model	Input Voltage	Input Signal	Output Current	Output Power	Size
LV	5-36VDC	0/1-10V	1CH, $\leq 8\text{A}$	12V<96W, 24V<192W, 36V<288W	L97*W33*H18mm
LV-L	12-36VDC	0/1-10V, Push switch	1CH, $\leq 12\text{A}$	12V<144W, 24V<288W, 36V<432W	L175*W45*H27mm
V1-T	12-24VDC	0/1-10V, RF, Push switch	1CH, $\leq 20\text{A}$	12V<240W, 24V<480W	L107*W75*H24.5mm
L4-L	12-36VDC	0/1-10V, Push switch	4CH, 5A/CH	12V<240W, 24V<480W, 36V<720W	L175*W45*H27mm
L4-D	12-36VDC	0/1-10V, Push switch	4CH, 5A/CH	12V<240W, 24V<480W, 36V<720W	L110*W48*H67mm

## 0/1-10V Constant Voltage Dimmable LED Driver

1. AC100-240V input, DC12/24V output, 1 way PWM constant voltage.
2. The output power is 12-150W.
3. Dimming mode: 0-10V, 1-10V, 10V PWM, resistance, AC Push-Dim (self-reset switch).
4. Choose a 0/1-10V dimmer with RF function, the 0/1-10V led driver can realize RF remote control.
5. Over temperature/over load/short circuit protection, automatic recovery.
6. 5-year warranty and 50,000 hours warranty.

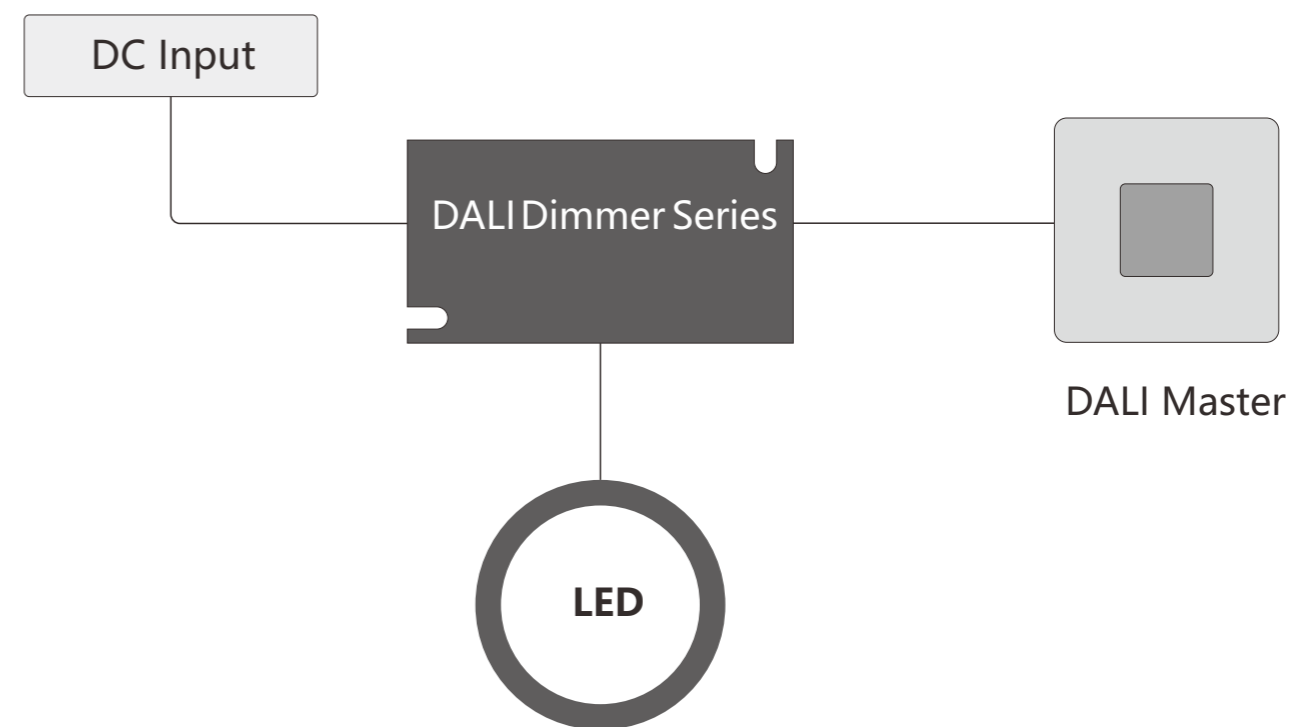
LP-150M-12  
150W 12VLP-150M-24  
150W 24V

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
LP-150M-12	150W/12V/12.5A	12VDC	100-277VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%/230VAC	310×45×30mm
LP-150M-24	150W/24V/6.25A	24VDC	100-277VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%/230VAC	310×45×30mm



# DALI LED Dimmer Series

## DALI LED Dimmer Series



## DALI Series



boqi DALI 1/4-channel PWM constant voltage dimmer is compatible with DALI standard protocol IEC 62386-102, IEC 62386-207, DC12/24V constant voltage power supply, 1/4 way DALI address, 1/4 way PWM constant voltage output, DALI address is automatically assigned by DALI master control, or set by digital tube button.

DALI protocol (Digital Addressable Lighting Interface) is an international standard lighting control communication protocol, with overall dimming, group dimming, addressing dimming, and multiple scenarios mode settings ect powerful dimming functions, can monitor and control each device through two-way data exchange. boqi DALI dimming series products comply with the IEC62386 standard, and can be connected with any device conforming to the DALI protocol on the same bus control, with strong compatibility.

Including DALI 1/4-channel PWM constant voltage dimmer, DALI TRIAC dimmer, etc.

### DALI Dimmer



Model	Input Voltage	Input Type	Output Current	Output Power	Size
DA1	12-24VDC	Constant Voltage	1CH, 15A/CH	180-360W	L175*W45*H27mm
DA4	12-24VDC	Constant Voltage	4CH, 5A/CH	4x(60-120)W	L175*W45*H27mm
DA4-M	12-24VDC	Constant Voltage	4CH, 5A/CH	4x(60-120)W	L175*W45*H27mm
DA4-D	12-24VDC	Constant Voltage	4CH, 5A/CH	4x(60-120)W	L115*W48*H67mm
DA4-L	12-48VDC	Constant Voltage	4CH, 5A/CH	4x(60-240)W	L170*W50*H23mm

## DALI Series



### DALI TRIAC Dimmer



DT

Mode	Input Voltage	Output Current	Output Power	Size
DT	100-240VAC	1.5A x1CH	120-288W(100/240V)	L187*W46*H22mm

### DALI Constant Voltage LED Driver



LP-150DA-12  
150W 12V

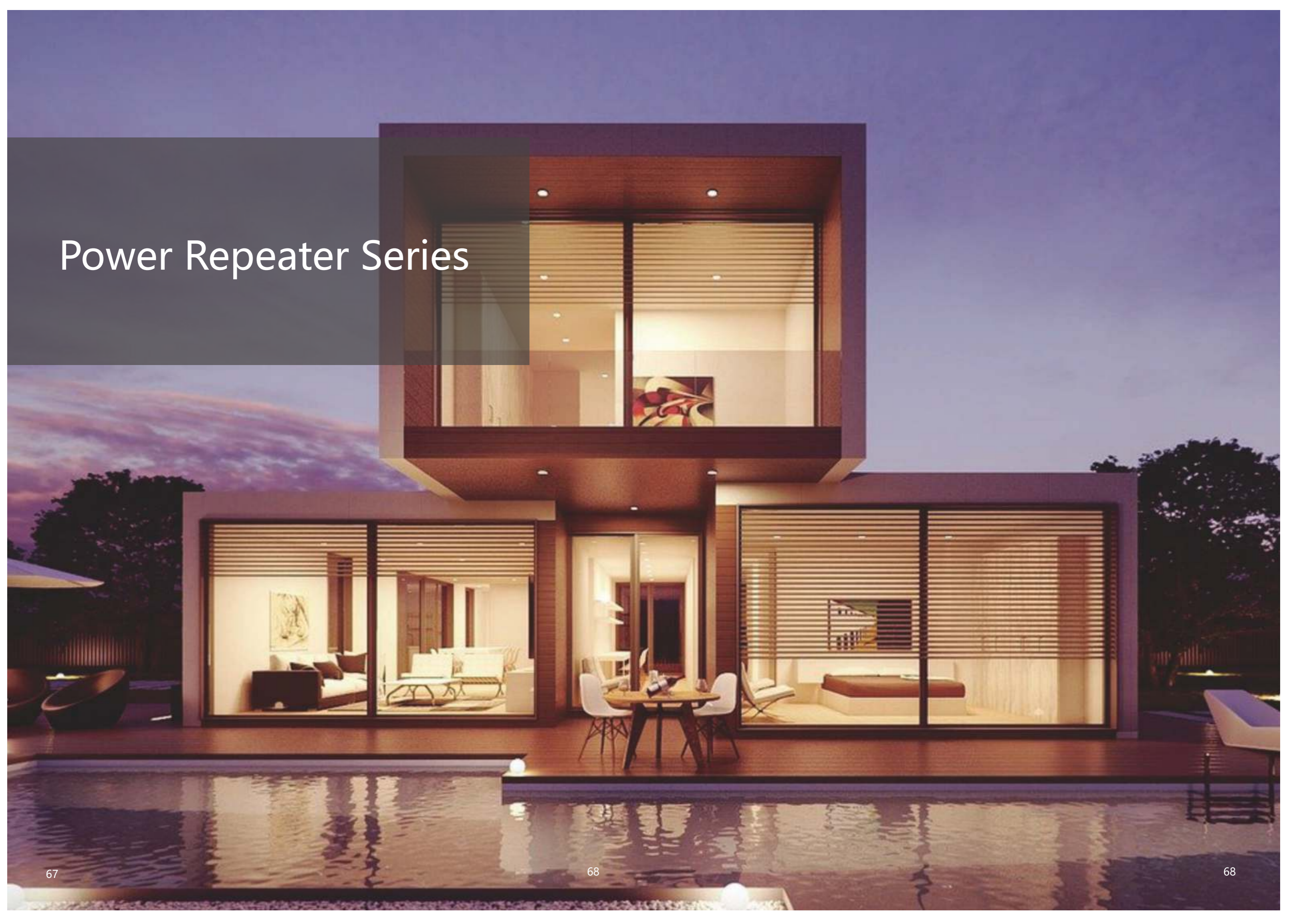


LP-150DA-24  
150W 24V

Model	Output	Output Voltage	Input	Power Factor	THD	Efficiency	Size
LP-150M-12	150W/12V/12.5A	12VDC	100-277VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%/230VAC	310×45×30mm
LP-150M-24	150W/24V/6.25A	24VDC	100-277VAC	>0.98/230VAC	<5%/100VAC <10%/230VAC	>92%/230VAC	310×45×30mm

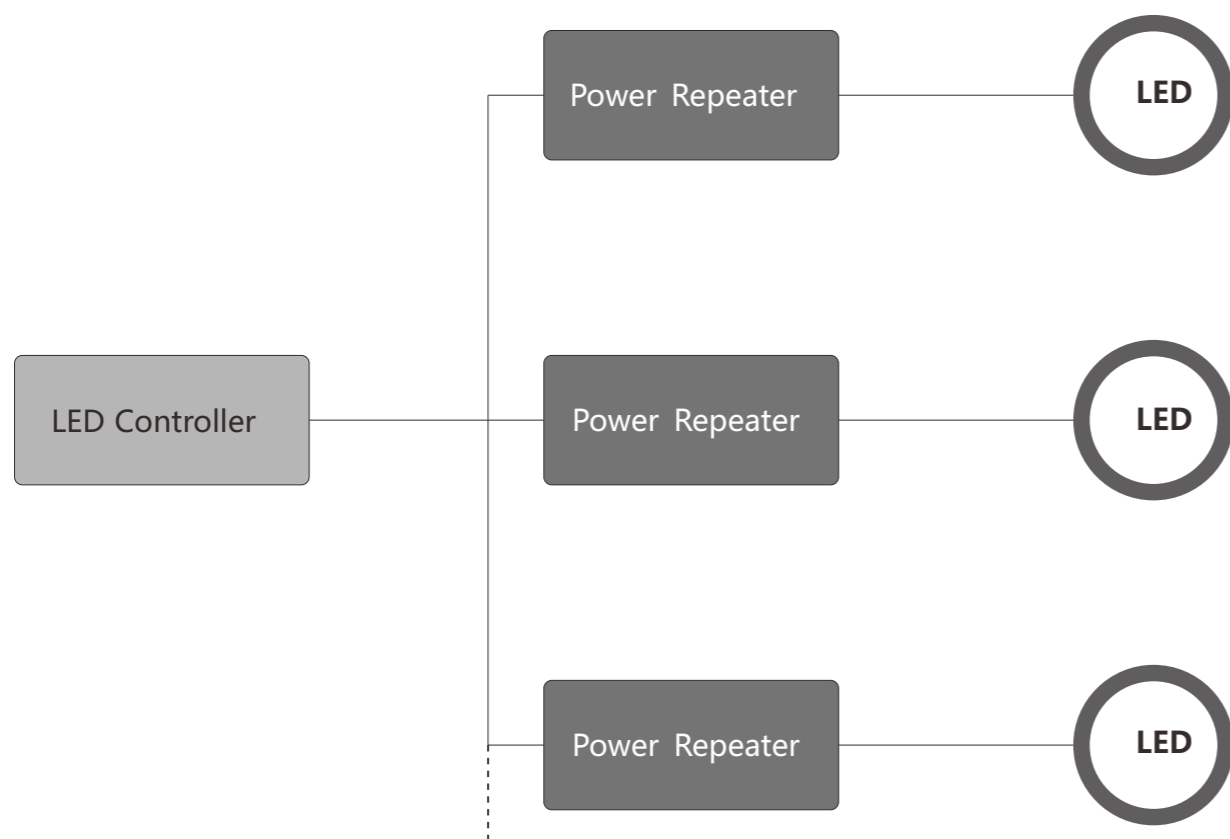


# Power Repeater Series





# Power Repeater Series



## Power Repeater Series

Due to the voltage drop of constant voltage LED lights, in the LED lighting control system, as the transmission distance increases and the load cascade increases, the LED power supply driving ability is insufficient. The brightness at the end of the lamp drops significantly, which affects the consistency of the LED lamp output. By using a power repeater, accepting constant voltage PWM signal control to expand the output of the constant voltage controller Power to achieve synchronous control effect. Each PWM constant voltage controller can theoretically connect an unlimited number of constant voltage power repeater in series or parallel to control more monochrome, color temperature, RGB, RGBW And RGB+CCT constant voltage LED lights.

boqi constant voltage power repeater series adopt DC12/24/36/48/60V constant voltage led driver, 1/2/3/4/5 channel PWM constant voltage signal input, 1/2/3/4/5 channel PWM Constant voltage power 3KV photoelectric isolation between output, input and output. The constant voltage power repeater needs to be used with RF constant voltage controller, DMX constant voltage decoder, DALI PWM constant voltage dimmer, etc.

### 1 Channel Power Repeater



Model	Input Voltage	Output Current	Output Power	Size
EV1	5-36VDC	1CH, 8A/CH	5V<40W, 12V<96W, 24V<192W, 36V<288W	L97*W33*H18mm
EV1-S	12-24VDC	1CH, 15A/CH	12V<180W, 24V<360W	L175*W45*H27mm
EV1-X	12-24VDC	1CH, 30A/CH	12V<360W, 24V<720W	L107*W75*H24.5mm





## Power Repeater Series



### 2 Channel Power Repeater



Model	Input Voltage	Output Current	Output Power	Size
EV2-M	12-24VDC	2CH, 6A/CH	60-120W	L54*W15mm
EV2-M	12-24VDC	2CH, 6.5A/CH	12V<72W ,24<144W	L64*W23.5*H8.5mm
EV2	12-36VDC	2CH, 8A/CH	12V<192W ,24<384W, 36V<576W	L175*W45*H27mm

### 3 Channel Power Repeater



Model	Input Voltage	Output Current	Output Power	Size
EV3	12-36VDC	3CH, 6A/CH	12V<216W ,24<432W, 36V<648W	L175*W45*H27mm
EV3-H	12-60VDC	3CH, 5A/CH	180-900W	L175*W45*H27mm
EV3-X	12-36VDC	3CH, 10A/CH	12V<360W ,24V<720W, 36V<1080W	L107*W75*H24.5mm

### 4 Channel Power Repeater



Model	Input Voltage	Output Current	Output Power	Size
EV4	12-24VDC	4CH, 4.5A/CH	48-96W	L54*W15mm
EV4	12-36VDC	4CH, 5A/CH	12V<240W, 24V<480W, 36V<720W	L175*W45*H27mm
EV4-H	12-60VDC	4CH, 5A/CH	240-1200W	L175*W45*H27mm
EV4-X	12-24VDC	4CH, 8A/CH	12V<384W, 24V<768W	L107*W75*H24.5mm
EV4-D	12-24VDC	4CH, 5A/CH	12V<240W, 24V<480W	L115*W48*H67mm
EV4-WP	12-36VDC	4CH, 5A/CH	12V<240W, 24V<480W, 36V<720W	L176*W78*H38mm
EC4(350 mA)	12-48VDC	4CH, 350mA/CH	4×(1.05-16.1)W	L176*W78*H38mm
EC4(700 mA)	12-48VDC	4CH, 700mA/CH	4×(2.1-32.2)W	L176*W78*H38mm

### 4 Channel Constant Current Power Repeater

### 5 Channel Power Repeater



Model	Input Voltage	Output Current	Output Power	Size
EV5	12-24VDC	5CH, 5A/CH	12V<300W ,24V<600W	L107*W75*H24.5mm

