

SHENZHEN BOXINQI TECHNOLOGY CO.,LTD.



LIGHTING CONTROL SYSTEM



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

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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



| | |
|---|----|
| ■ Dimming Series | |
| DIM - RF LED Controller | 5 |
| DIM - RF Remote control | 7 |
| DIM - Dimmable LED Driver | 11 |
| ■ CCT Series | |
| CCT - RF Controller | 16 |
| CCT - RF Remote control | 17 |
| CCT - Dimmable LED Driver | 20 |
| ■ RGB Series | |
| RGB RF Controller | 22 |
| RGB Panel Controller | 23 |
| RGB Mini Controller | 23 |
| SPI Signal Amplifier | 23 |
| ■ RGBW Series | |
| RGBW CV RF LED Controller | 24 |
| RGBW Panel Controller | 25 |
| RGBW Mini Controller | 25 |
| ■ RGB/RGBW Series | |
| RF Hand-held Remote Control | 26 |
| RGB/RGBW Panel Remote Control | 27 |
| RF RGB/RGBW CV Dimmable LED Driver | 28 |
| RF RGBW CV Dimmable LED Driver | 28 |
| ■ RGB+CCT Series | |
| RGB+CCT Series Controller | 30 |
| RGB+CCT Series Remote Control | 31 |
| ■ Tuya Wi-Fi & Bluetooth & Zigbee Series | |
| RF Wi-Fi Series (Tuya) | 38 |
| RF Bluetooth Series (Tuya) | 39 |
| RF ZigBee Series (Tuya) | 40 |
| ■ Sensor Series | |
| RF Microwave Remote Control | 43 |
| Sensor Switch | 43 |
| Touch Sensor LED Dimmer | 44 |
| PIR Sensor Stair Light Controller | 44 |
| ■ DMX512 Series | |
| DMX Constant Voltage Decoder | 48 |
| DMX Constant Current Decoder | 49 |
| DMX-SPI Decoder | 49 |
| DMX Decoder (For High Voltage LED Strip) | 49 |
| DIM DMX Panel Master | 52 |
| CCT DMX Panel Master | 52 |
| RGB DMX Panel Master | 52 |
| RGBW DMX Panel Master | 52 |
| Universal DMX Panel Master | 53 |
| 6 Channel DMX Dimming Master | 53 |
| DMX512 Master | 53 |
| DMX512 Signal Amplifier | 53 |
| ■ AC TRIAC Series | |
| TRIAC Panel Dimmer | 57 |
| RF Wireless TRIAC Dimmer | 57 |
| RF Wireless AC Switch | 57 |
| DMX TRIAC Dimmer | 58 |
| DALI TRIAC Dimmer | 58 |
| OLED Screen TRIAC Dimmer | 58 |
| ■ 0/1-10V Series | |
| 0/1-10V Panel Dimmer | 61 |
| RF 0/1-10V Dimmer | 61 |
| DMX 0/1-10V Dimmer | 61 |
| 0/1-10V Constant Voltage LED Controller | 61 |
| 0/1-10V Constant Voltage Dimmable LED Driver | 62 |
| ■ DALI Series | |
| DALI Dimmer | 65 |
| DALI TRIAC Dimmer | 66 |
| DALI Constant Voltage LED Driver | 66 |
| ■ Power Repeater Series | |
| 1 Channel Power Repeater | 70 |
| 2 Channel Power Repeater | 71 |
| 3 Channel Power Repeater | 71 |
| 4 Channel Power Repeater | 71 |
| 5 Channel Power Repeater | 71 |

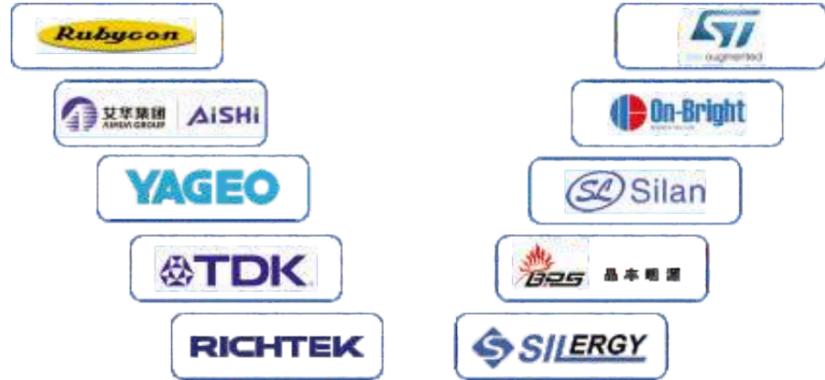
Company Profile

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.

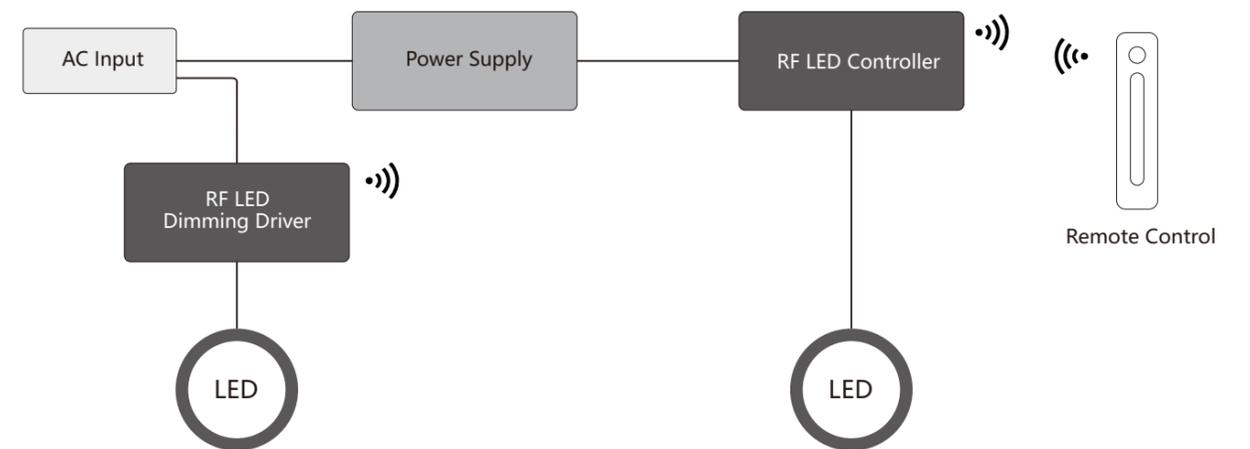
CERTIFICATES

产品证书



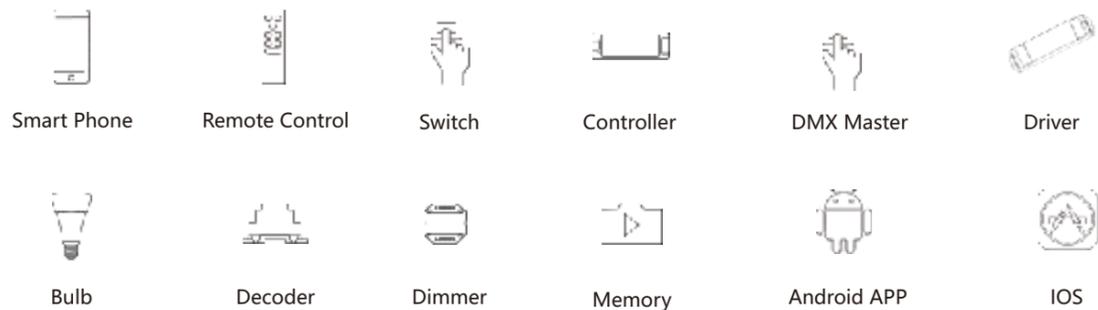
RF / Wi-Fi SYSTEM

RF / Wi-Fi SYSTEM

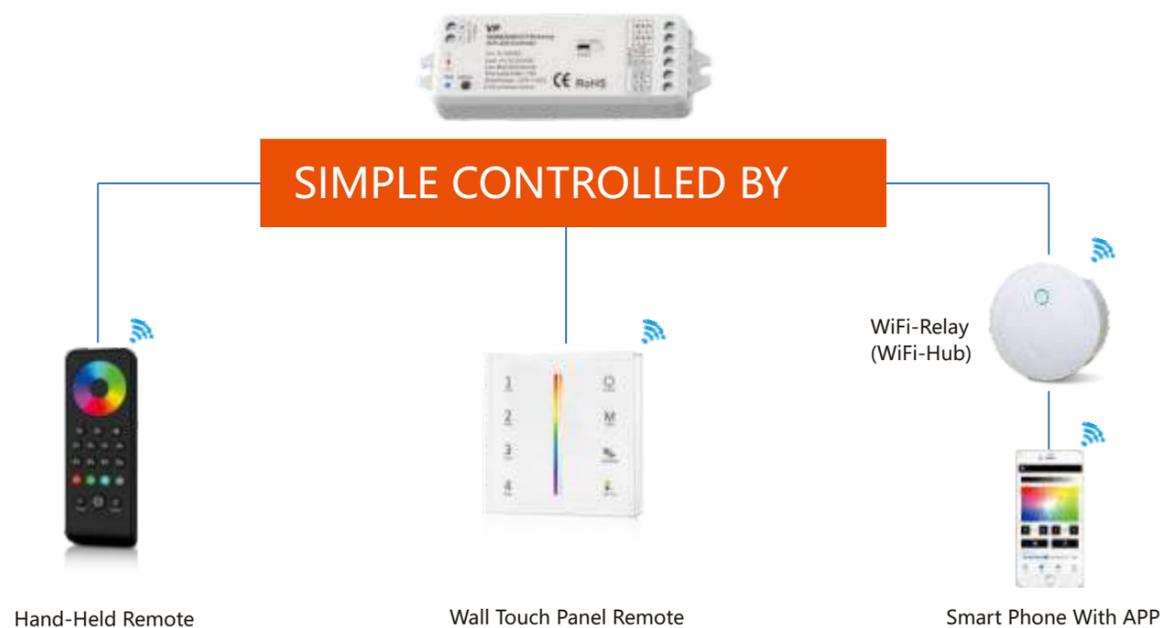


RF Wireless/WiFi System

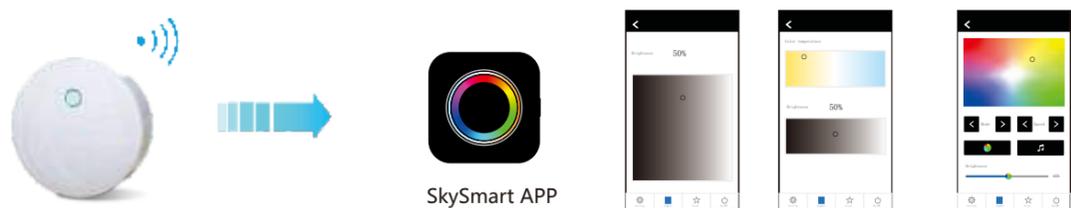
boqi perfect RF system is the smart home lighting solution and wireless LED controller system including the handheld RF remote, wall mounted PWM controller & RF remote, 1-5 channel PWM constant voltage or constant current receiver, RF dimmable LED driver and smart lamp to control single color, dual color, 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



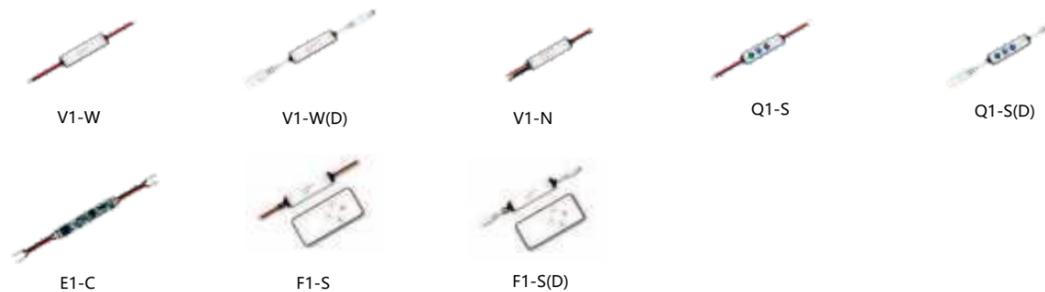
Features

- 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 |

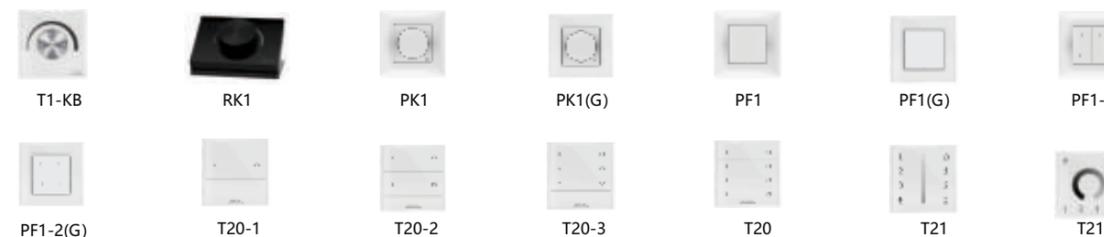


DIM - RF Panel Remote Controller



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 |

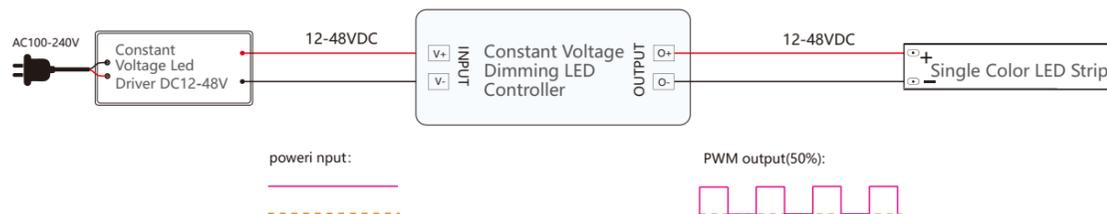




Lighting Control Working Principle



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.

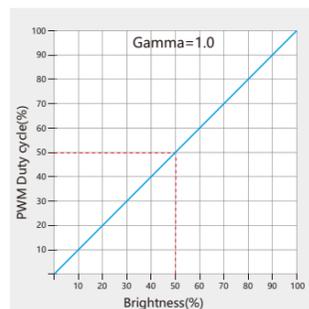
Dimming curve selection:

The dimming curve is divided into linear dimming and logarithmic dimming.

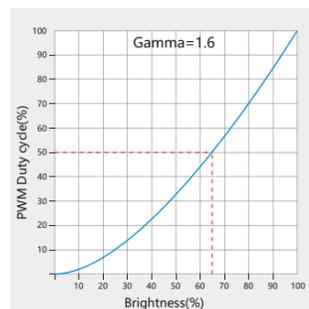
Linear dimming: The brightness is proportional to the PWM switch output, that is, when the brightness is 50%, the turn-on and turn-off time are each half, and the Gamma curve value is 1.0.

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

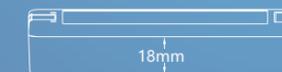
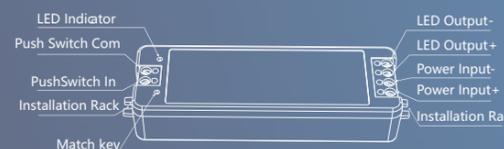
Constant Voltage Dimming Controller + Remote Control

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) |

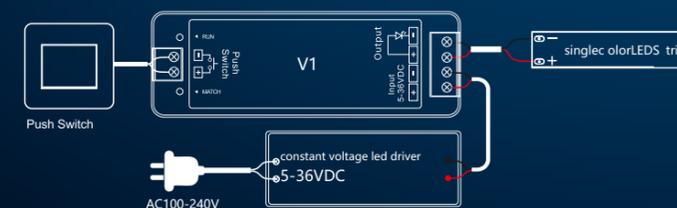
| 1 Channel LED controller | |
|--------------------------|------------------------------------|
| Input voltage | 5-36VDC |
| Input current | 8.5A |
| Output voltage | 5-36VDC |
| Output current | 1CH,8A |
| Output power | 40W/96W/192W/288W (5V/12V/24V/36V) |
| Output type | constant voltage |

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

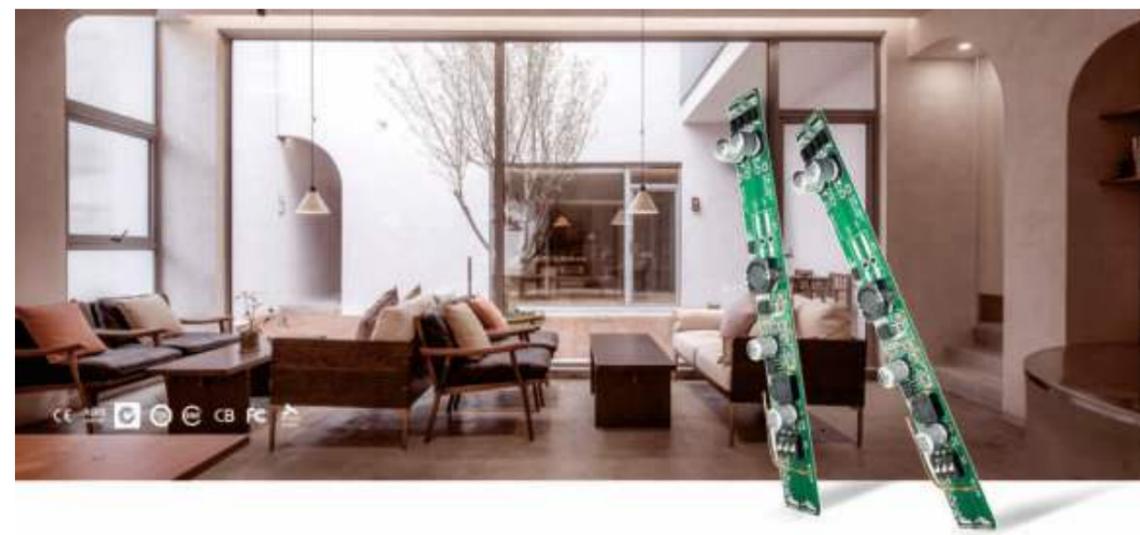


■ DIM - Constant Voltage Dimmable LED Driver



| 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 CC output, configurable current via DIP switch
Built-in active PFC function: 0.95 Typ
Auto-transmitting and synchronise on multiple number of LED drivers
Over-heat / Over load / Short circuit protection, recover automatically

Full protective plastic case
Suitable for indoor LED lighting application
3 Year, 30,000h 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 |



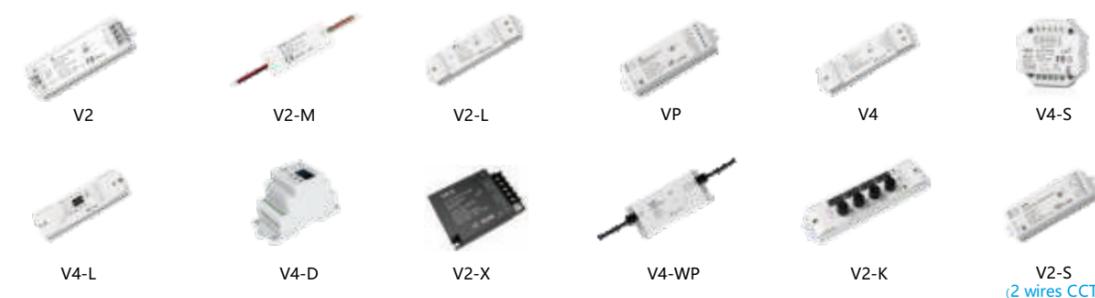
CCT Series - RF Controller

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.

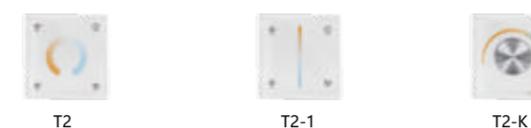
Feature

- 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

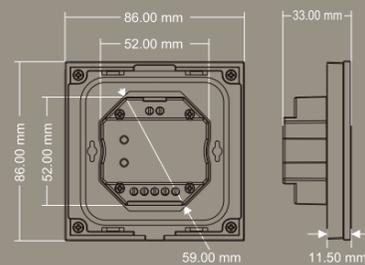
CCT Glass Touch Panel Controller

Function

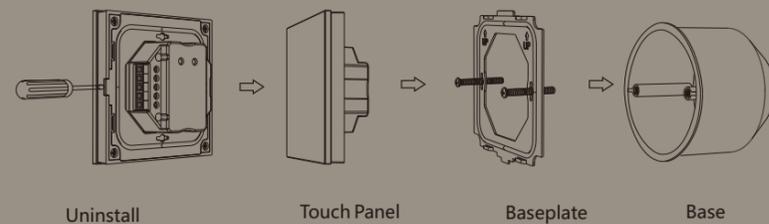
- Touch panel single color, dual color, RGB or RGBW PWM constant voltage controller.
- Ultra sensitive high strength glass touch panel with touch color wheel in the middle.
- Compatibility with RF 2.4G single zone or multiple zone remote control.
- Touch keys with LED indicator.
- White&Black glass panel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



Mechanical structure and installation



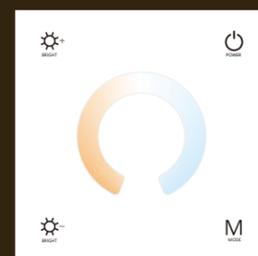
Instructions:



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



- Power — Turn on/off light
- Brightness+ — Brightness +, 10 levels
- Brightness- — Brightness -, 10 levels
- Color wheel — 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

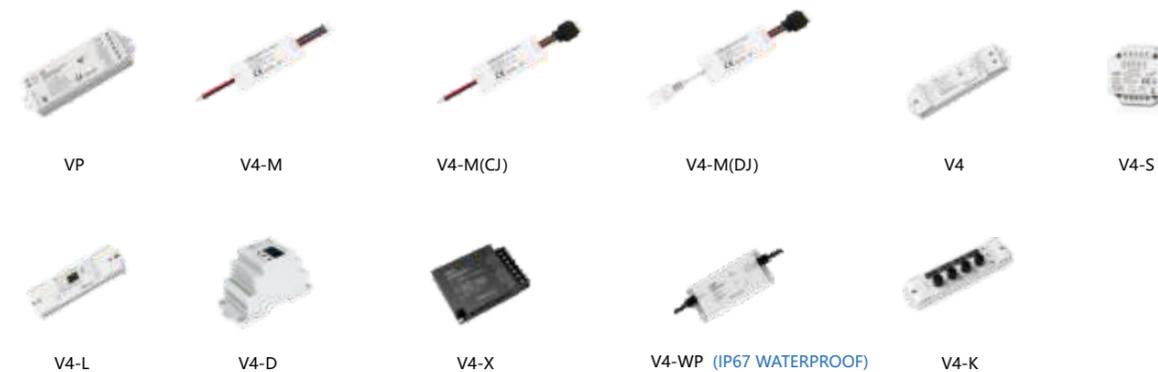


boqi 4-channel RGBW constant voltage LED controller series include RF controller, panel controller and mini controller, DC12/24/36/48V constant voltage power supply, 4 PWM constant voltage output, The output is connected to low-voltage RGBW LED strips, adopt RF remote control, self-reset switch, touch 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
- PWM Constant Voltage Output
- 256 Levels 0~100% Smooth And Precise Dimming
- Multiple Protection

Constant Voltage RF LED Controller



| 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



| 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



| 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

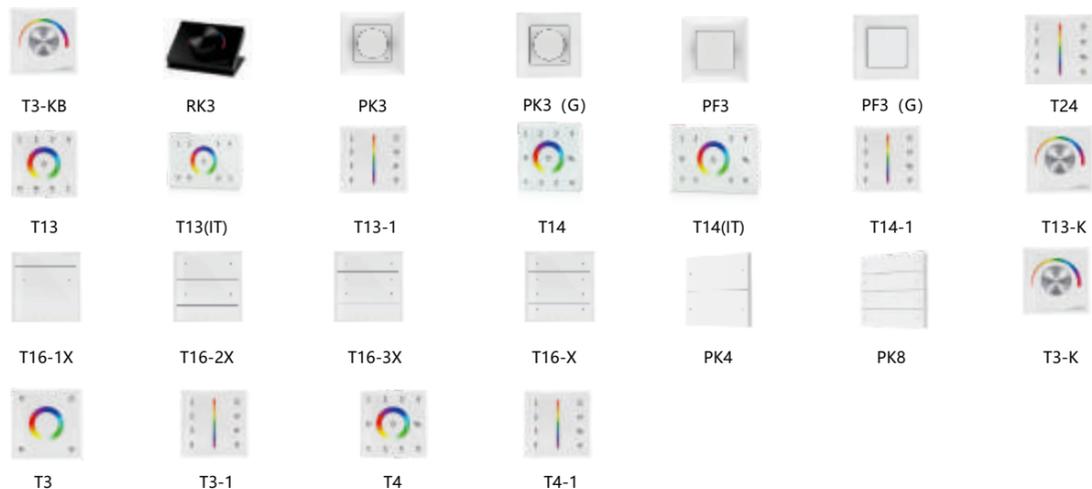


| Model | Zone | Power Supply | Working Current | Standby Current | Standby Time | Size |
|-------|--------------------------|-----------------------|-----------------|-----------------|--------------|------------------|
| R8 | 4 Zone RGB/RGBW | CR2023 Button Battery | <5mA | <10uA | 1Year | L107*W58.5*H9mm |
| 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

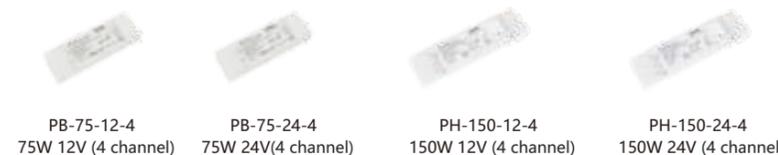
1. AC100-240V input, DC12/24V output, 3/4 ways PWM constant voltage output.
2. Dimming mode: wireless 2.4G, AC Push-Dim (self-reset switch).
3. The output power is 40-150W.
4. It has the same control function as boqi constant voltage RGB controller.
5. Built-in 10 dynamic modes, including jump and gradual 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

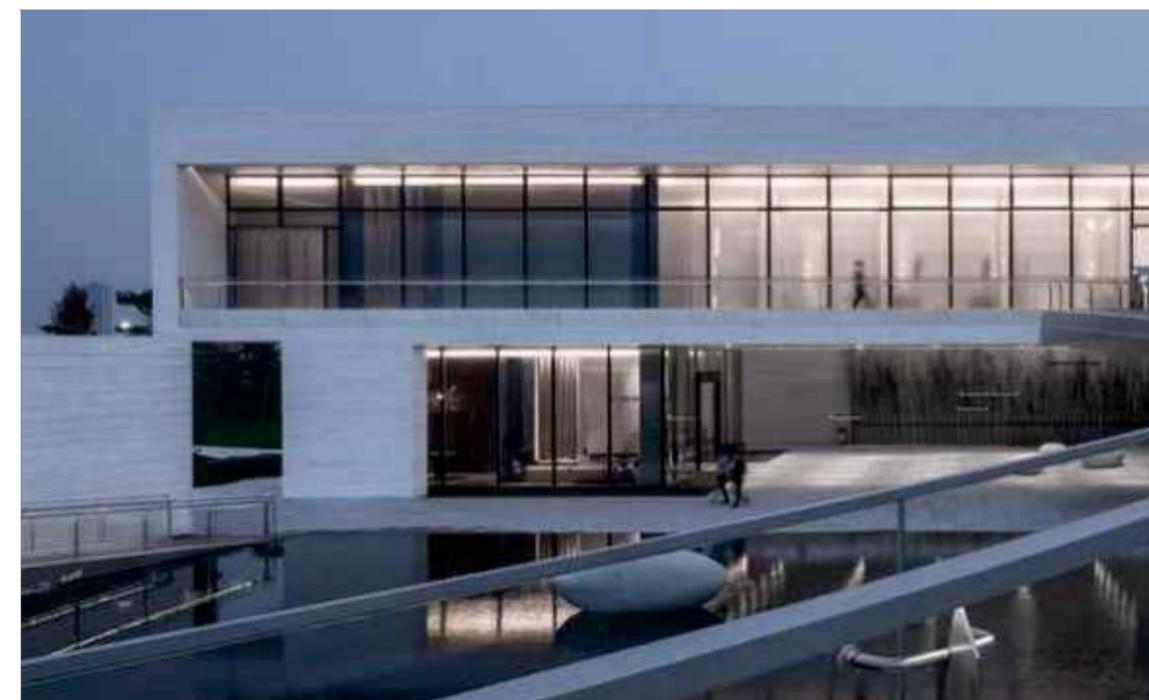


AC Input Panel Remote Control

| 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 |
|-----------------------------|------------------------|-----------------------|---|
| Technical Parameters | | | |
| 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 |
| Environment | | Safety and EMC | |
| 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 |
| Quality Assurance | | Protection | |
| 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

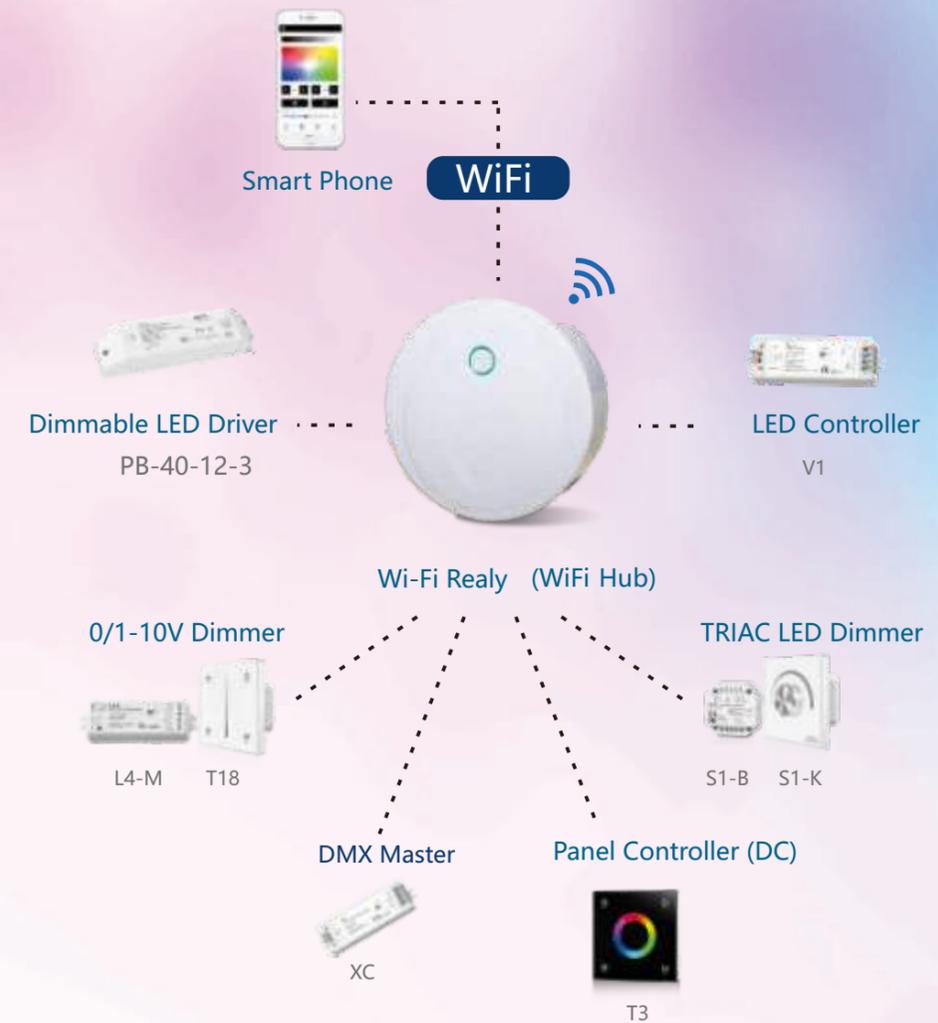
- : Turn on/off the lights.
- : Touch to change RGB color or color temperature. Press RGB or CCT key to switch between RGB color circle and CCT color circle.
- : To adjust the brightness, short press 10 levels, long press for 1-6 seconds to continuously adjust 256 levels.
- : Adjust the color temperature 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% |
| | R 100% | G 100% | B 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



Wi-Fi Realy+ Skysmart

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 |

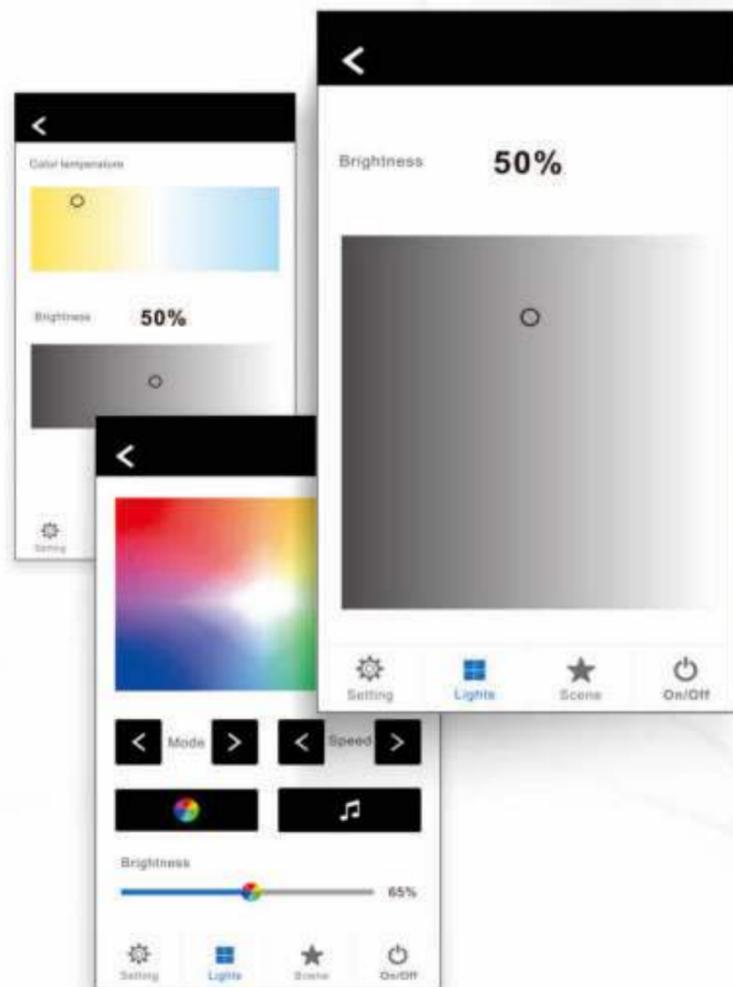
RF Wireless Lighting Control System

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

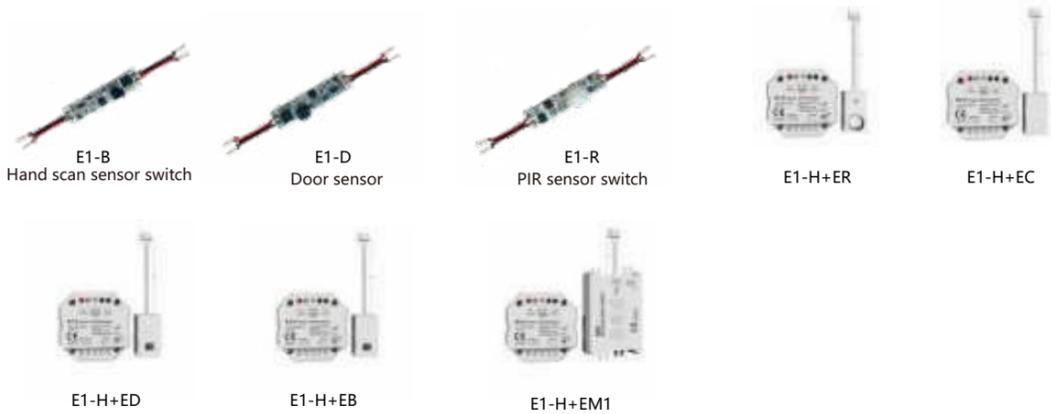


RF Microwave Remote Control



| 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 |

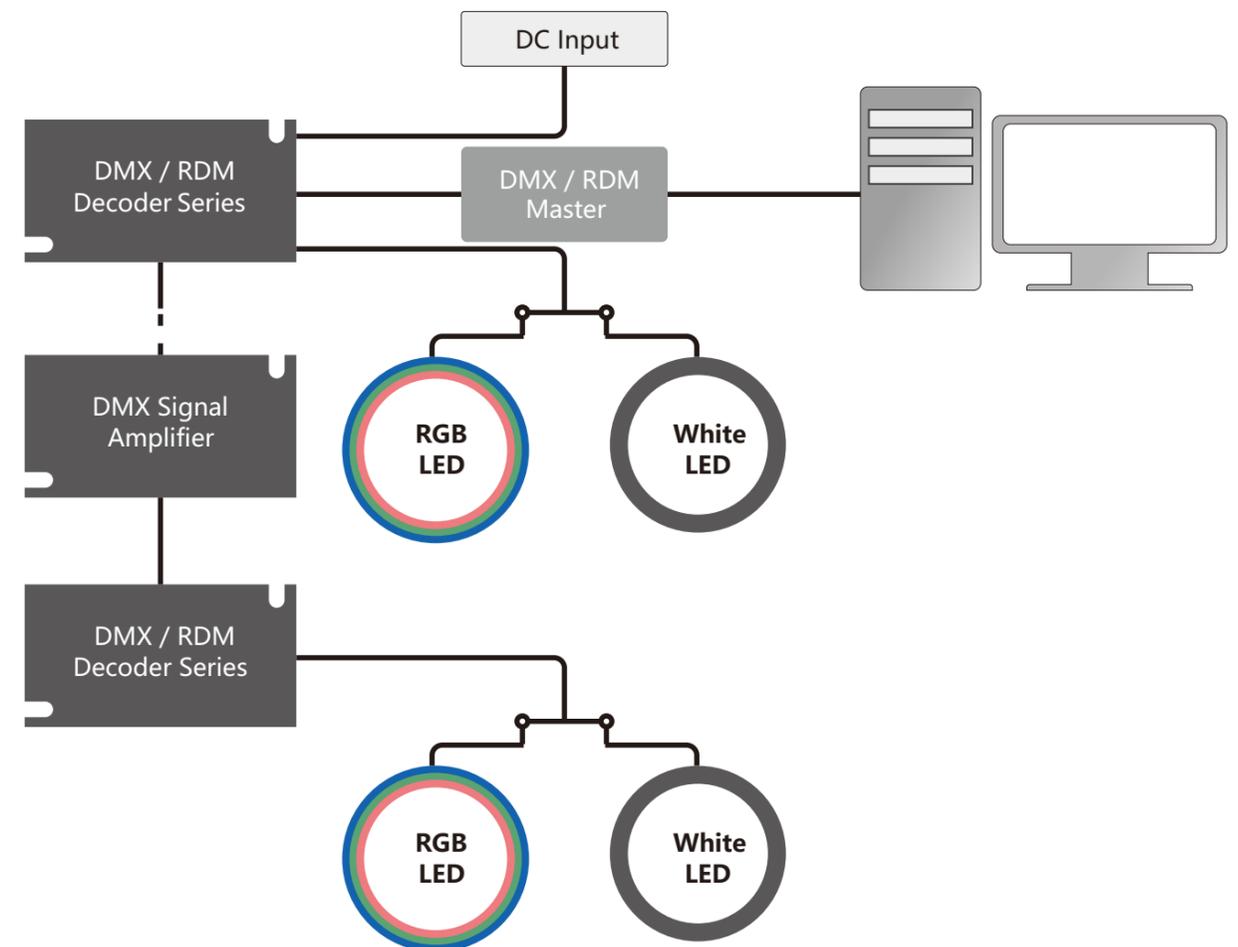
PIR Sensor Stair Light Controller



| 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



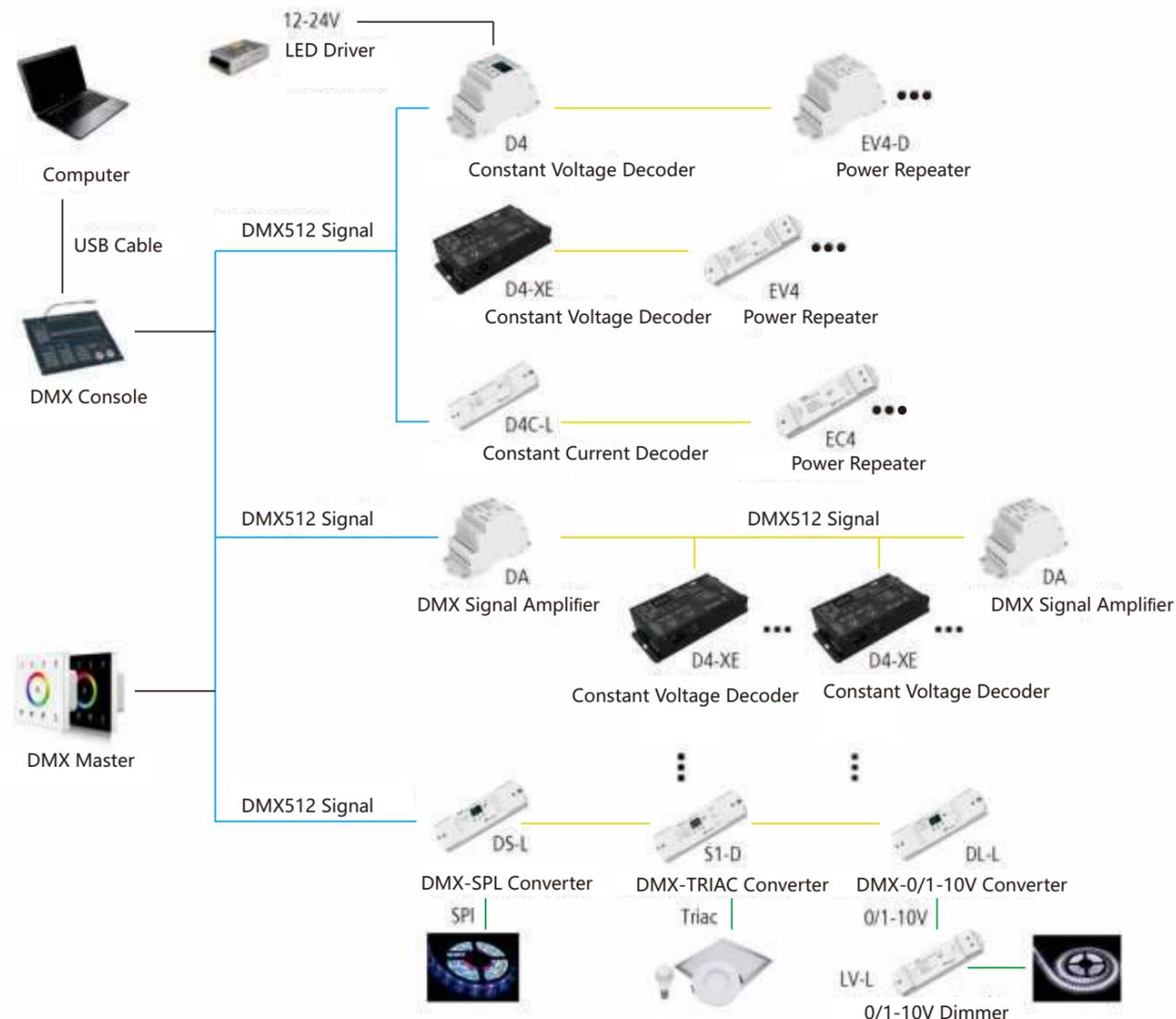
DMX512 Decoder

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



| 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



| 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)



| 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.



Color slide

Turn on/off all zone light.

Short press play 10 built-in mode, long press 2s run mode-cycle.

Adjust dynamic mode speed or static color brightness, 10 levels.

Short press turn on/off W channel, long press adjust W channel brightness.

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



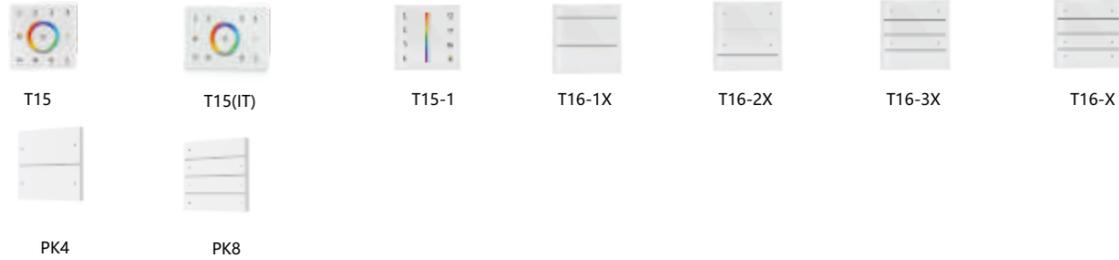
| Model | Light Type | Input Voltage | DMX Address | Size |
|---------|-------------|---------------|-------------|----------------|
| T14 | 4 Zone RGBW | 100-240VAC | 16 | L86*W86*H33mm |
| T14(IT) | 4 Zone RGBW | 100-240VAC | 16 | L120*W80*H37mm |
| T14-1 | 4 Zone RGBW | 100-240VAC | 16 | L86*W86*H33mm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



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 |
|-----------------------------|------------------|-----------------------|--|
| Technical Parameters | | | |
| 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) |
| Environment | | Safety and EMC | |
| 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 |
| Quality assurance | | Protection | |
| 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.

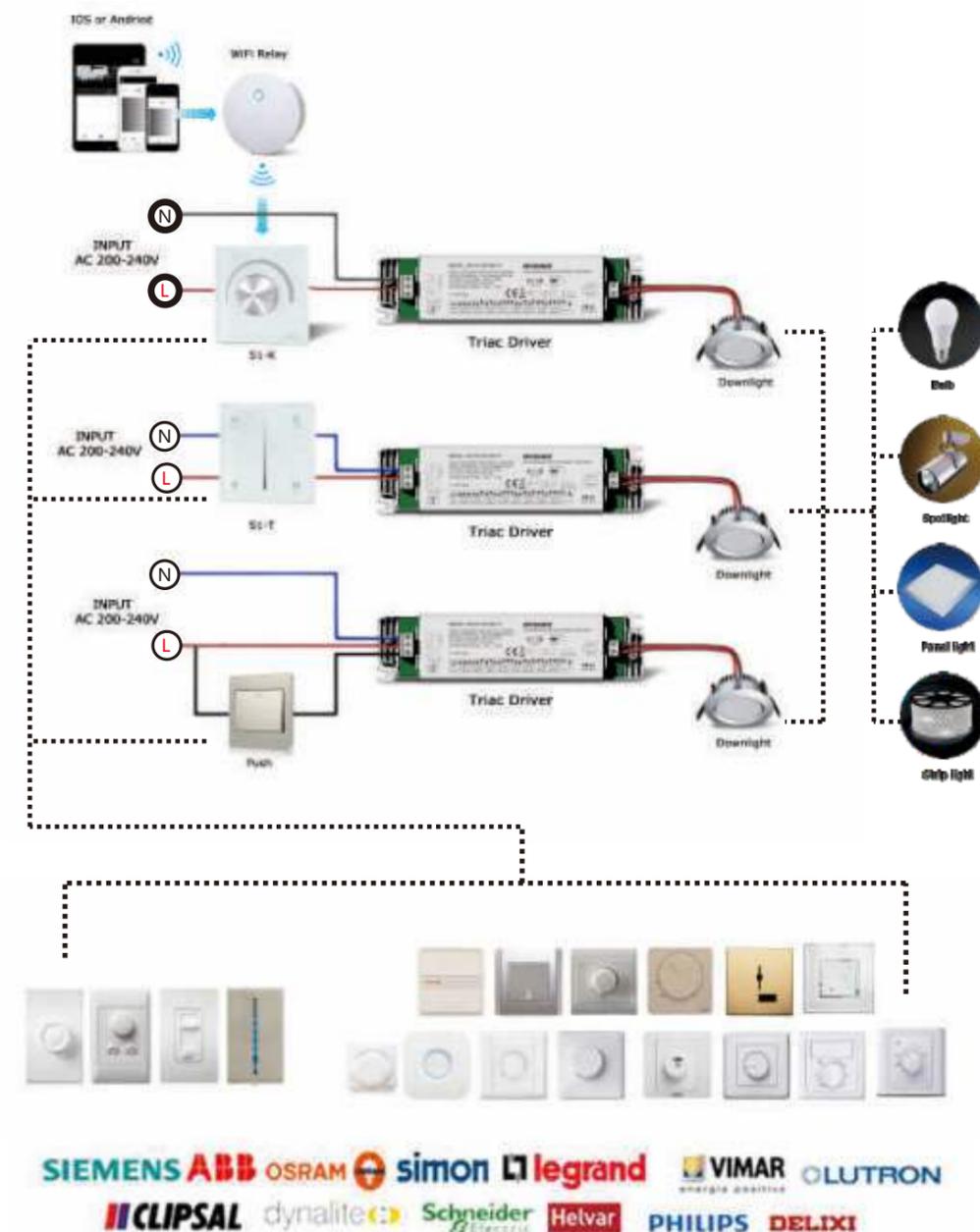
Dedicated to amplify and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512(or RS-485).

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.

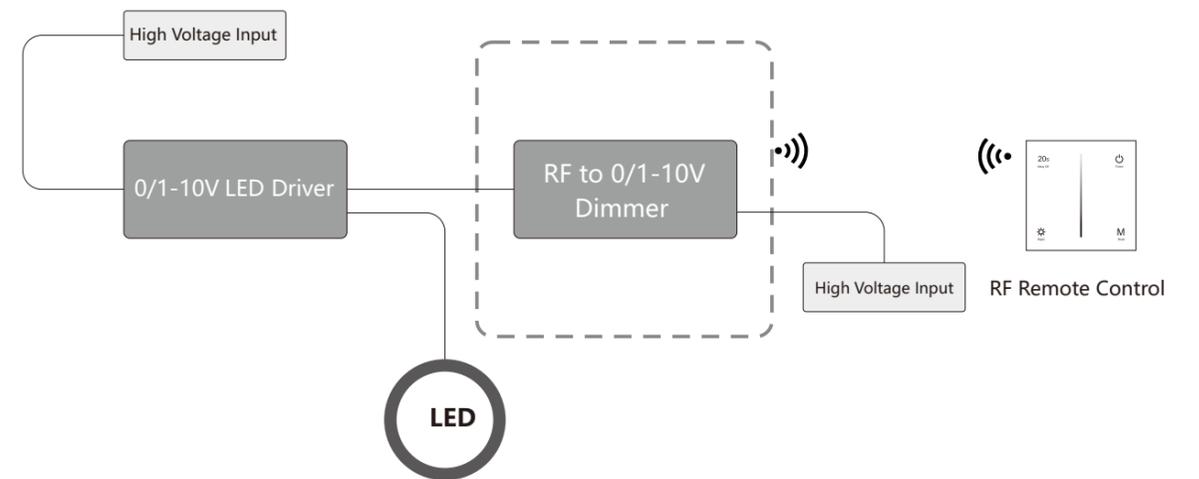
Triac and Mosfet dimmable.
Leading edge or trailing edge dimming set via dip switch.
Minimum brightness setting via button.



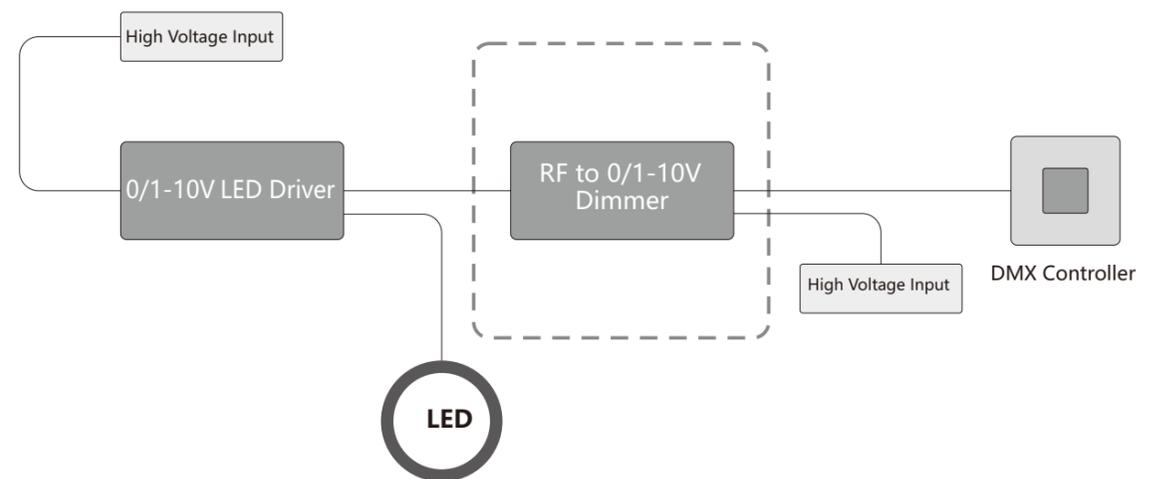
0/1-10V SERIES

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 20mA, AC \leq 1.5A | L86*W86*H33mm |
| T18-1 | 100-240VAC | 4CH 0/1-10V | 4CH, \leq 10mA/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 20mA, AC \leq 1.5A | 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 3A | 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 8A | 12V<96W,24V<192W,36V<288W | L97*W33*H18mm |
| LV-L | 12-36VDC | 0/1-10V, Push switch | 1CH, \leq 12A | 12V<144W,24V<288W,36V<432W | L175*W45*H27mm |
| V1-T | 12-24VDC | 0/1-10V, RF, Push switch | 1CH, \leq 20A | 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.

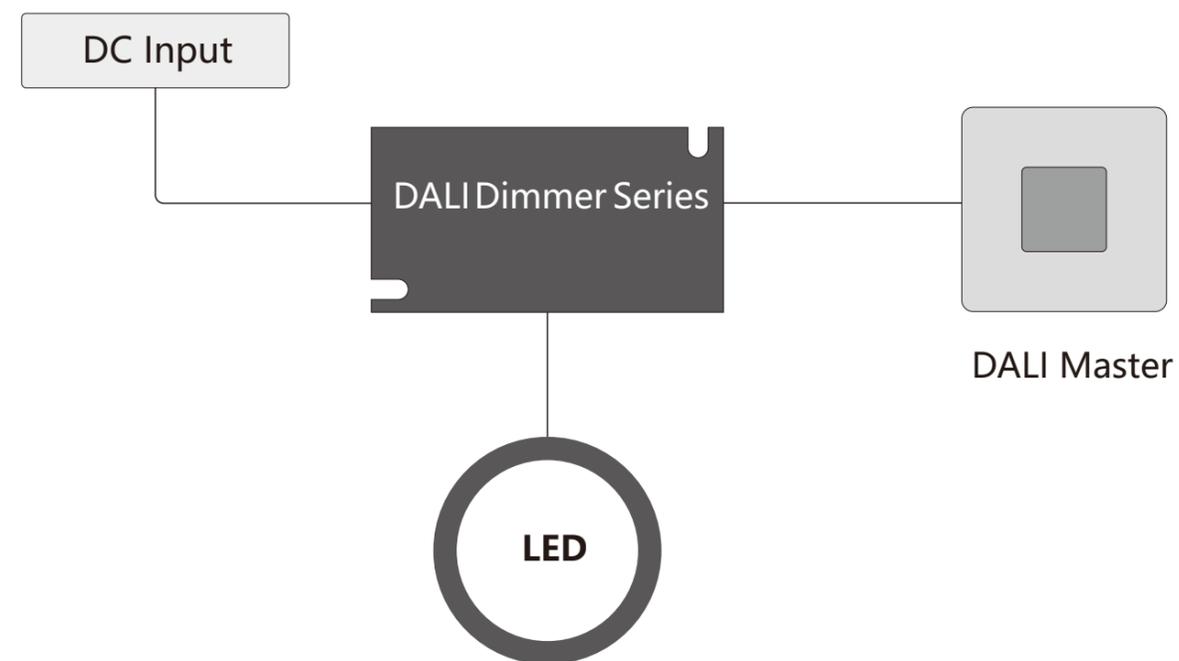
LP-150M-12
150W 12VLP-150M-24
150W 24V

| 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

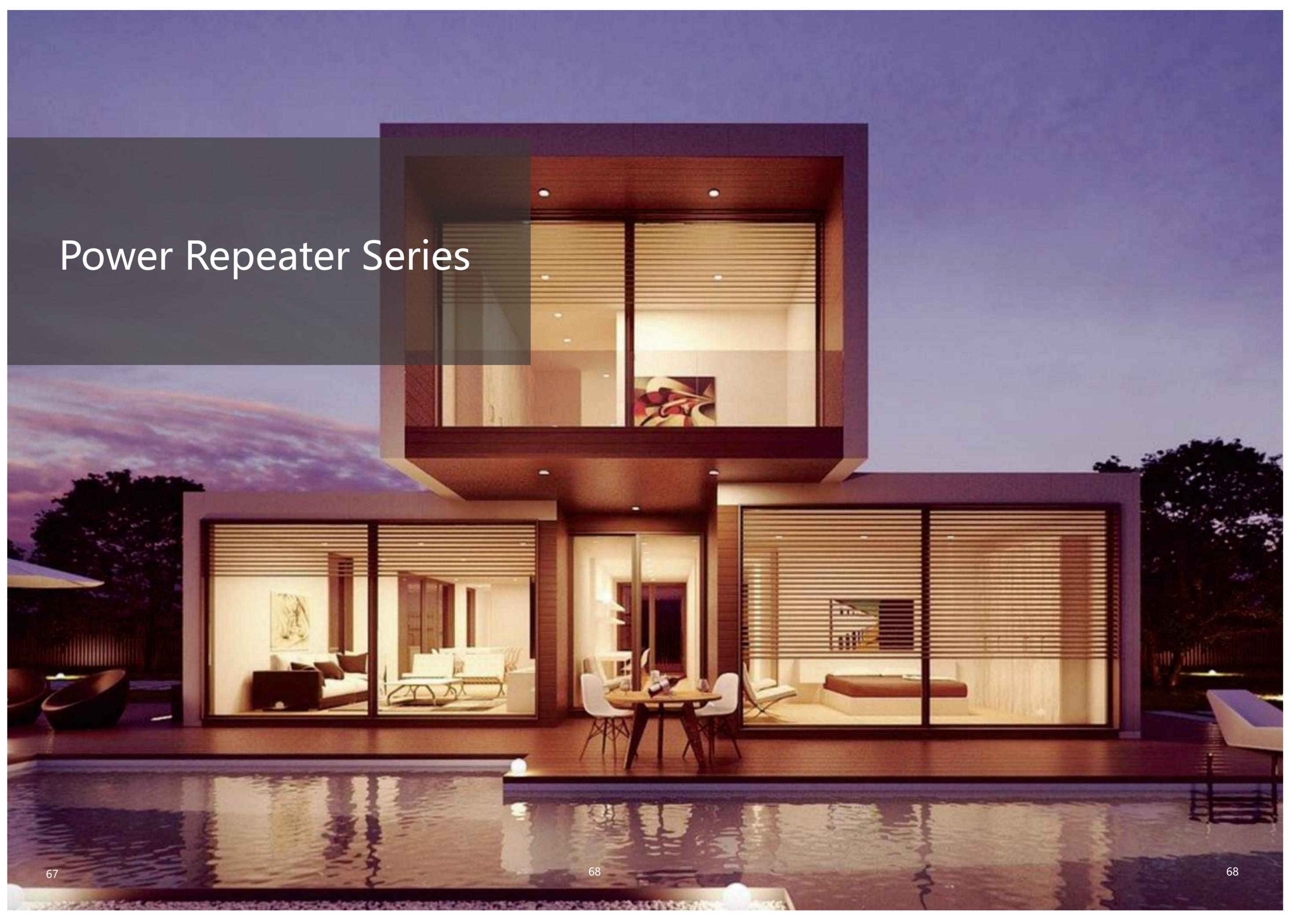


LP-150DA-24
150W 24V

| 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



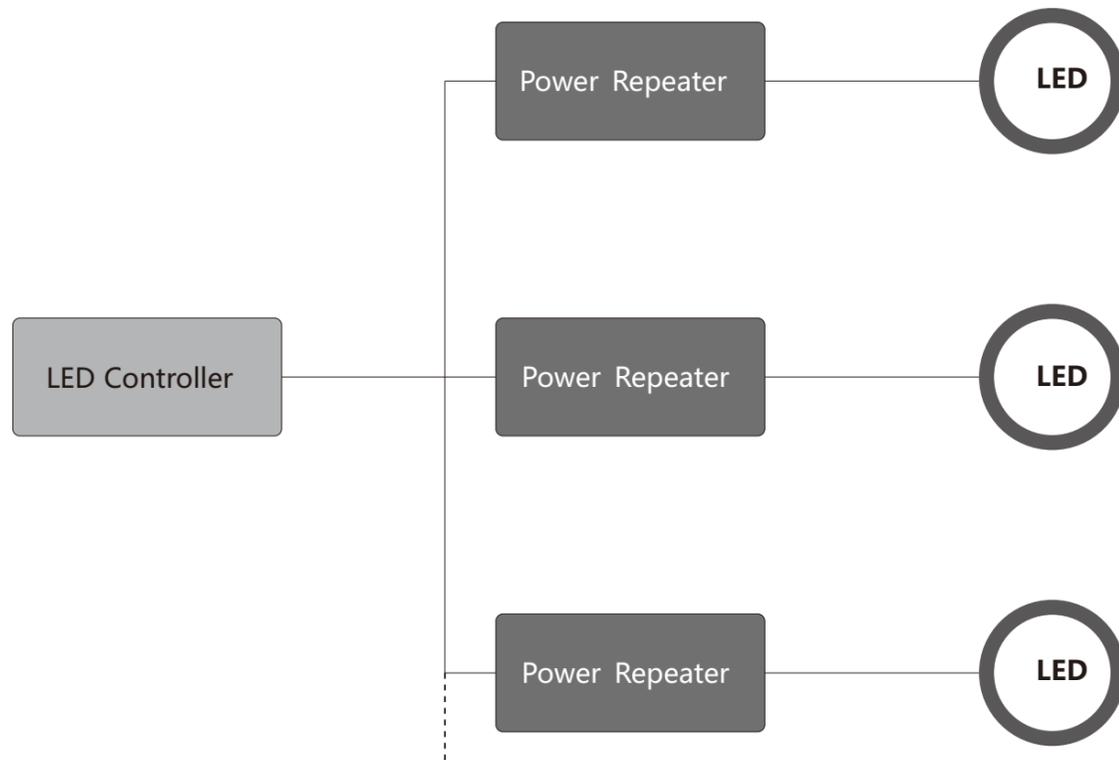


Power Repeater Series

■ 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(350mA) | 12-48VDC | 4CH, 350mA/CH | 4×(1.05-16.1)W | L176*W78*H38mm |
| EC4(700mA) | 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 |

