

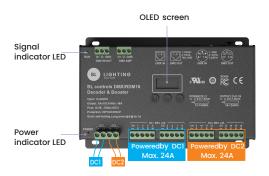
BL Controls Decoder RDM16 Manual



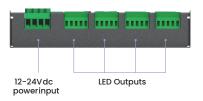




Main Component Description









OLED screen interface



Short press "M" key - switch entries. Long press "M" key - Back to main page. Press "\" or "\" key - Parameter adjustment.

1. DMX address settings

DMX:001 Hz: High Mode: RGBW 8bit Curve: Standard Dim: Smo TOOL Press " \land " or " \lor " key to set DMX address. Range: 001~512

Main page

2. PWM frequency



Press "^" or "\" key to choose.

Available:

Std (standard High.

Std (standard) High Mid (middle) Low

Use Std for no flicker

*It is recommended to use standard.

3. Modes



Press " \land " or " \lor " key to choose mode. Available Modes: DIM/CT/CT2/RGB/RGBW

4. Grev scale

DMX: 001 Hz: High Mode: RGBW 8bit Curve: Standard Dim: Smo TOOL Press "∧" or "∨" key to choose. Available :

16bit (choose only if the master controller supports this function)

5. Dimming curves

DMX: 001 Hz: High Mode: RGBW 8bit Curve: Standard Dim: Smo TOOL

Press "∧" or "∨" key to choose. Available : Standard Linear LOG 0.1~9.9

*It is recommended to use standard dimming for most applications



6. Enhance dimming

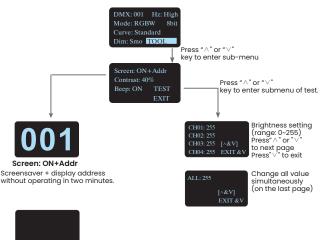


Press "^" or "\" key to choose. Available : Std (standard) Smo (smooth)

*It is recommended to use standard.

Smo: flicker-free dimming and smooth dynamic effects, higher processing time.

7. Tool



Screen: ON+black Screensaver - black without operating in two minutes.

> DMX: 001 Hz: High Mode: RGB 8bit Curve: Standard Dim: Smo TOOL&v

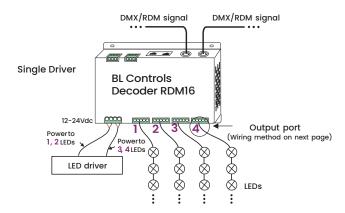
Screen: OFF
Screensaver not enabled.

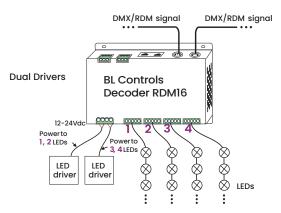
* Fast self-testing function: press " or " keys simultaneously for 2-3 seconds under any page, decoder will enter self-testing function.



Wiring diagram

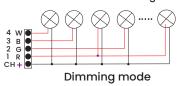
Connecting Drivers:



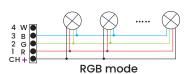




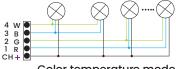
Dimming LEDs



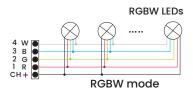
RGB LEDs



CT/CT2 LEDs

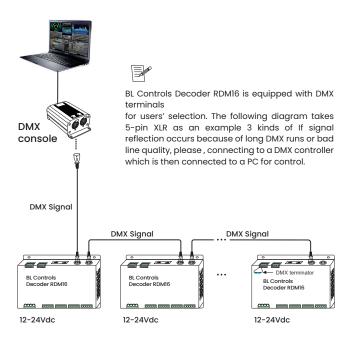


Color temperature mode





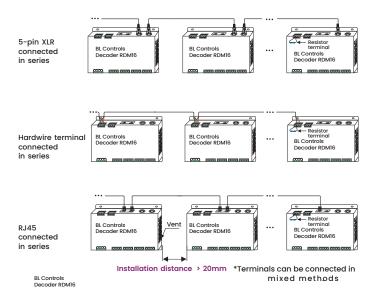
DMX controller connection:



* If signal reflection occurs because of long DMX runs or bad line quality, please make sure a DMX terminator is being used.



Different DMX connection methods:



* IMPORTANT: Please reserve enough ventilation distance between decoders

Amplifier connection:

* Amplifier will be needed when more than 32 decoders are connected or use of long signal wire (as shown below). The signal amplifier should not be used more than 5 times continuously.

