LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech Digital RGBW RF Controller



Product Code:	101.998
Product Type:	LEDTech Controller
Guarantee Period:	3 Year

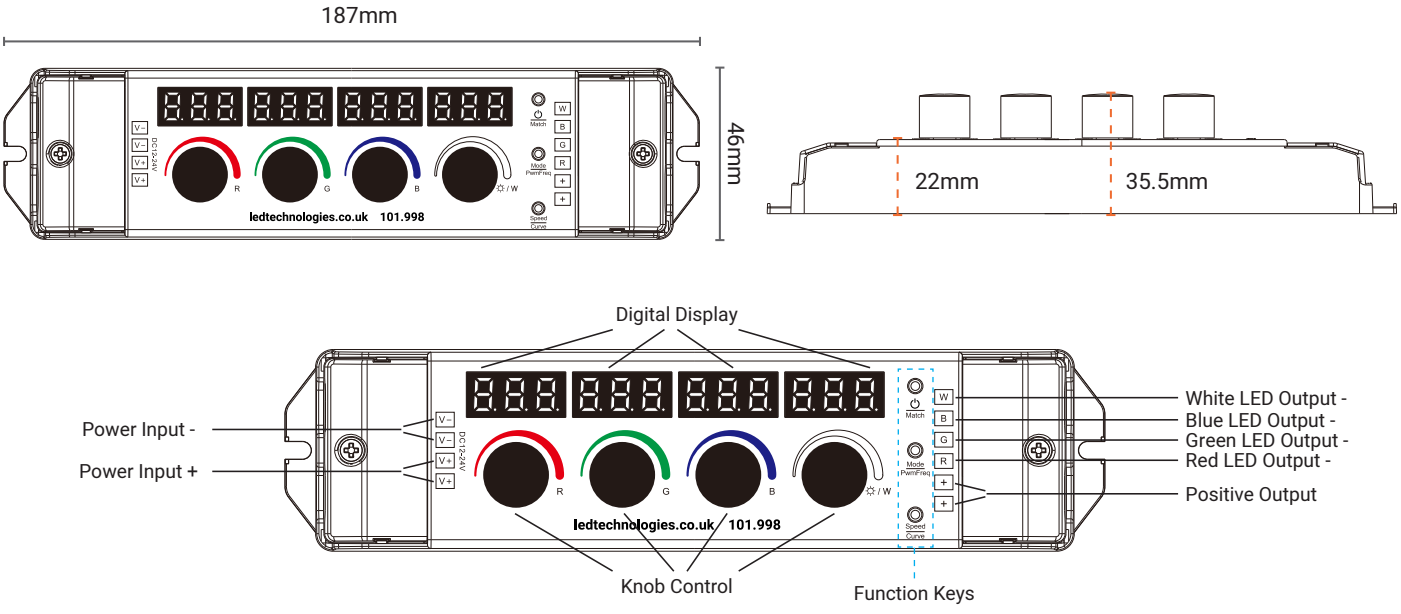
Features & Benefits:

- RGB/RGBW constant voltage LED RF controller,
- can also be used as a RGB/RGBW RF remote.
- 4 knob dimming, digital numeric display and easy key operation.
- Match with RF 2.4G single zone or multiple zone RGB/RGBW remote control optional.
- 256 levels 0-100% dimming smoothly without any flash.
- Built in 10 dynamic mode, include jump or gradual change style.
- PWM frequency 1000/2000/4000/8000Hz selectable.
- Logarithmic or linear dimming curve selectable.

0.154kg *appx*

Colour Control:	RGBW
Input Voltage:	12-48V DC
Input Current:	16.5A
Output Voltage:	4 x (12-48)V DC
Output Current:	4CH, 4A/CH
Output Power:	4 x (48-96)W
Output Type:	Constant Voltage
Operation Temperature:	Ta: -30°C ~ +55°C
Case Temperature (Max.):	Tc: +85°C
Input Signal:	Knob + Key + RF 2.4GHz
Control Distance:	30m (Barrier-Free Space)
Dimming Gray Scale:	256 Levels
Dimming Range:	0-100%
Dimming Curve:	Logarithmic or Linear
PWM Frequency:	1000 / 2000 / 4000 / 8000Hz
Protection:	Reverse Polarity
EMC Standard (EMC):	ETSI EN 301 489-1 V2.2.3
EMC Standard (EMC):	ETSI EN 301 489-17 V3.2.4
Safety Standard:	EN 62368-1:202+A11:2020
Radio Equipment (RED):	ETSI EN 300 328 V2.2.2
Certification:	CE, EMC, RED
Size:	L187 x W46 x H35.5mm

Dimensions (Unit: mm)



We reserve the right to change specifications without notice. E&OE

UK CA CE RoHS Compliant

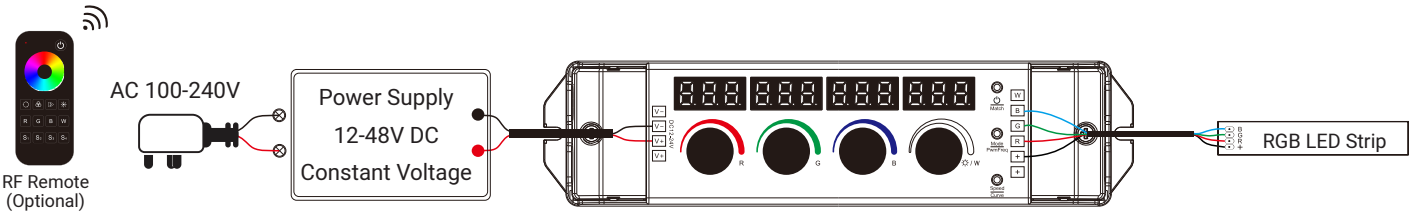
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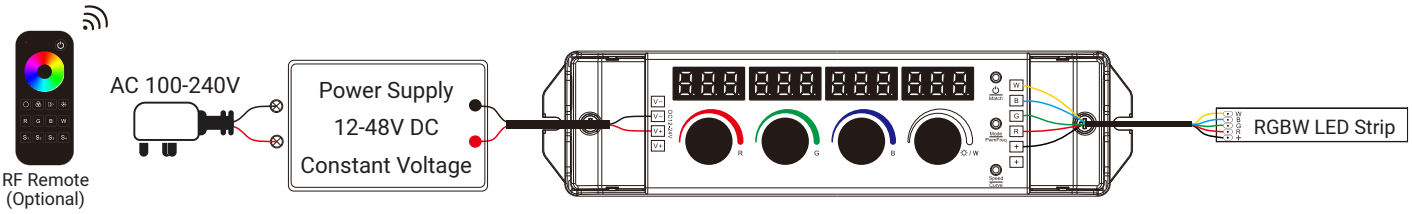
LEDTech Digital RGBW RF Controller

Connection Diagram

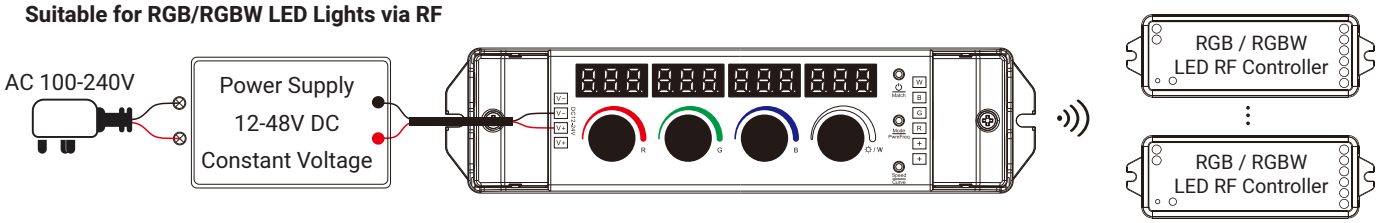
Suitable for RGB LED Lights



Suitable for RGBW LED Lights



Suitable for RGB/RGBW LED Lights via RF



Operation

4x Rotary Dimming Control



Red Brightness (000-255)

Green Brightness (000-255)

Blue Brightness (000-255)

RGB (000-100) White (RGBW) Brightness (000-255)

Match

Short Press: Turns the connected LED Light off. Digital display will show “OFF” during prcocess.
Medium Press (2 Seconds): Enters the RF Remote pairing state. When “RLS” displays on the screen, you will have 5 seconds to press the On/Off function button. If “RLO” is showing on your display, the pairing was successful.
Long Press (5 Seconds): Hold the button down for 5 seconds until “RLE” is shown on your display, this will delete all paired RF remotes.
Long Press (15 Seconds): Restore factory default parameters. (Default RGBW mode). The screen will display “RES”.

Mode
PwmFreq

Short Press: Switch between 10 dynamic programs (P01 ~ P10)
Long Press (5 Seconds): Starts the PWM Frequency setup. Press the mode key quickly to switch between 1000Hz (“F10”), 2000Hz (“F20”), 4000Hz (“F40”) or 8000Hz (“F80”). Higher PWM Frequencies will cause lower output currents, stronger noise, but will be more suitable for cameras (No light flickers on recordings). Press the Mode button for 5 seconds to exit the settings (10 second inactivity timeout).

Speed
Curve

Short Press: Set mode speed. Switch between 10 levels of speed (1-10) (S-1, S-9, S-F).
Long Press (5 Seconds): Starts the Brightness Curve setup. Press the Speed/Curve key quickly to switch between Linear Curve (“C-L”) or Logarithmic curve (“C-E”). Press the Speed/Curve button for 5 seconds to exit the settings (10 second inactivity timeout).
Short Press: Press and hold the “Match” and “Speed” key for 2 seconds to switch between RGB & RGBW control. The far-right digital display will show “CH3” for RGB or “CH4” for RGBW.

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Dynamic Mode List

RGB/RGBW

No.	Name	No.	Name
P01	RGB Jump	P06	RGB Fade in and Out
P02	RGB Smooth	P07	Red Fade in and Out
P03	6 Colour Jump	P08	Green Fade in and Out
P04	6 Colour Smooth	P09	Blue Fade in and Out
P05	Yellow, Cyan, Purple Smooth	P10	White Fade in and Out

Rotatory Remote Control

4x Rotary Controls work as a RGB/RGBW RF Remote

This 4x Rotary Controller will work as an RGB/RGBW RF remote and can pair with one or multiple RGB/RGBW LED RF Receivers. Two options are offered for selection:

User the controllers "Match Key"

Match:

Short press the match key of the receiver, then immediately press the "on/off" key on the 100.998 controller. The LED indicator will flash quickly a few times, indicating that the pairing was successful.

Delete:

Press and hold the "Match Key" of the receiver for 5 seconds to delete all paired devices. The LED indicator wil flash quickly a few times to indicate that all paired devices have been removed.

Use "Power Restart"

Match:

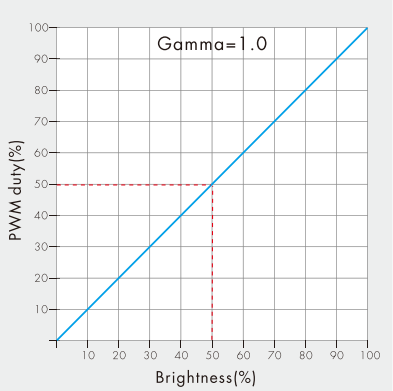
Switch off the power of the receiver, then switch on the power, repeat. Immediately short press "on/off" key 3 times on the 100.998 controller. The light will blink 3 times, meaning the match was successful.

Delete:

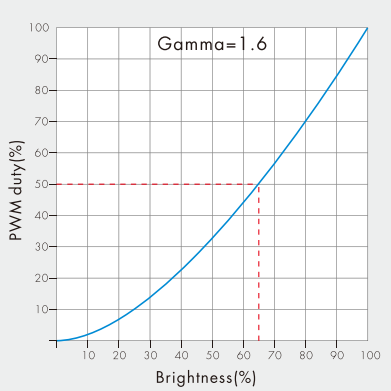
Switch off the power of the receiver, then switch on the power, repeat. Immediately short press "on/off" key 5 times on the 100.998 controller. The light will blink 5 times, meaning the paired remotes were removed.

Dimming Curve Settings

Linear Dimming Curve



Logarithmic Dimming Curve



+10% Tolerance on all Specifications. Colours can be variable.
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If you require Technical support or for general enquiries, please do not hesitate to contact one of our LED Technical experts on the contact information provided.

Telephone: 01260 540014
Opening times: Mon-Thur: 8:30am - 5:00pm
Fri: 8:30am - 4:30pm
www.ledtechnologies.co.uk