



RGBW Audio Controller With RF 24 Key Remote

HX-AUDIO-RGBW-RF24K, adopts advanced PWM (Pulse Width Modulation) digital technology with 4 output channels constant voltage led RGBW music controller. The power is the DC low voltage input mode. The range is DC12V-24V. Adopts RF 24 key remote, RGB and W each has independently control area, without interference. As the IV generation product, it achieves the perfect music control effect and user experience, based on the audio analysis technology and more user-friendly remote control design.



Features:

- This is constant voltage controller, supply voltage DC12-24V, in this range power supply can be universal.
- Adopts PWM digital technology, 5 dimmer degree, no-flicker;
- Signal frequency: 400Hz;
- Max. output: 16A, 4A*4 channels;
- RF 24-key wireless RF remote
- There are 16 kinds of RGB modes, including 9 static colors; 4 dynamic changes; 3 audio mode, respectively: **DJ** (Fast Track), **Dynamic** (universal rhythm changes), **Tenderness** (slow-paced change); the brightness of static color and the speed of dynamic changes are adjustable. The sensitivity can be adjusted in audio mode.
- In audio mode, the sensitivity can be adjusted via black gear knob; the higher of the sensitivity adjustment is to knob clockwise;
- To achieve audio control via two methods: a microphone and an audio line;
- "W" only has static mode only, independently adjust the brightness and on/off switches.
- Design for: LED constant voltage products, led RGB strip lights, single color light bar, RGBW and horse racing lights.
- Warranty of this product is one year, but excludes the artificial situation of damaged, destroyed in transit after purchase as well as a variety of external factors, such as the case of damage caused by natural forces or overload working.

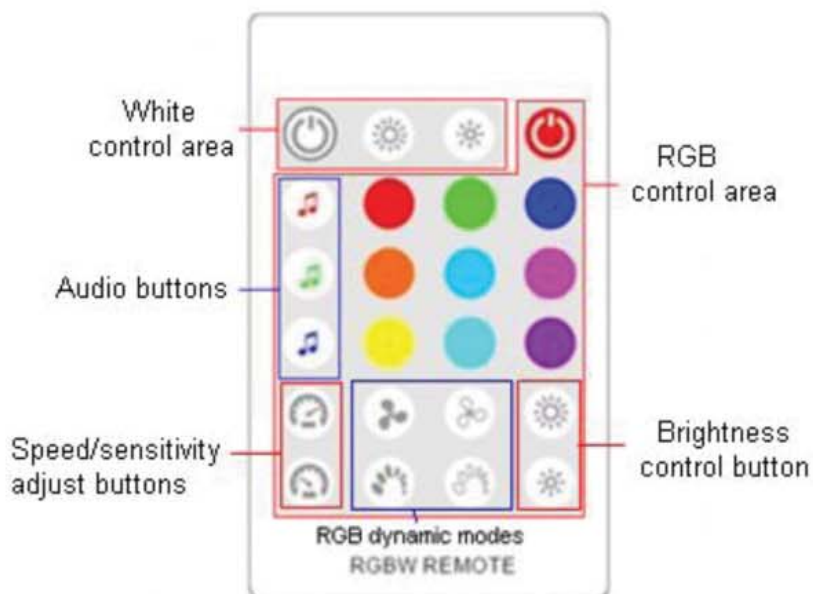


Technical Parameters:

Working temperature	-20-60℃
Supply voltage	DC12V~24V
Output	4 channels
Output gray	256 levels (with continuous reception)
Connecting mode	common anode
External dimension	108mm*63mm*28mm
Packing size	109mm*109mm*53mm
Net weight	120g
Gross weight	180g
Output current	<4A(each channel)
Output power	12V:192W; 24V: 384W
RF frequency	433.9MHz

Direction for use:

Adopt RF wireless control method, 24 buttons in total, function of each button as below: :



W on/off	W brightness +	W brightness -	RGB on/off
<u>DJ</u>	Static red	Static green	Static blue
<u>Dynamic</u>	Static orange	Static sky blue	Static camine
<u>Tenderness</u>	Static yellow	Static cyan	Static purple
Speed /sensitivity +	Three colors jump	Three colors gradually change	brightness +
Speed /sensitivity -	Seven colors jumping change	Seven colors gradually change	brightness -



Mark:

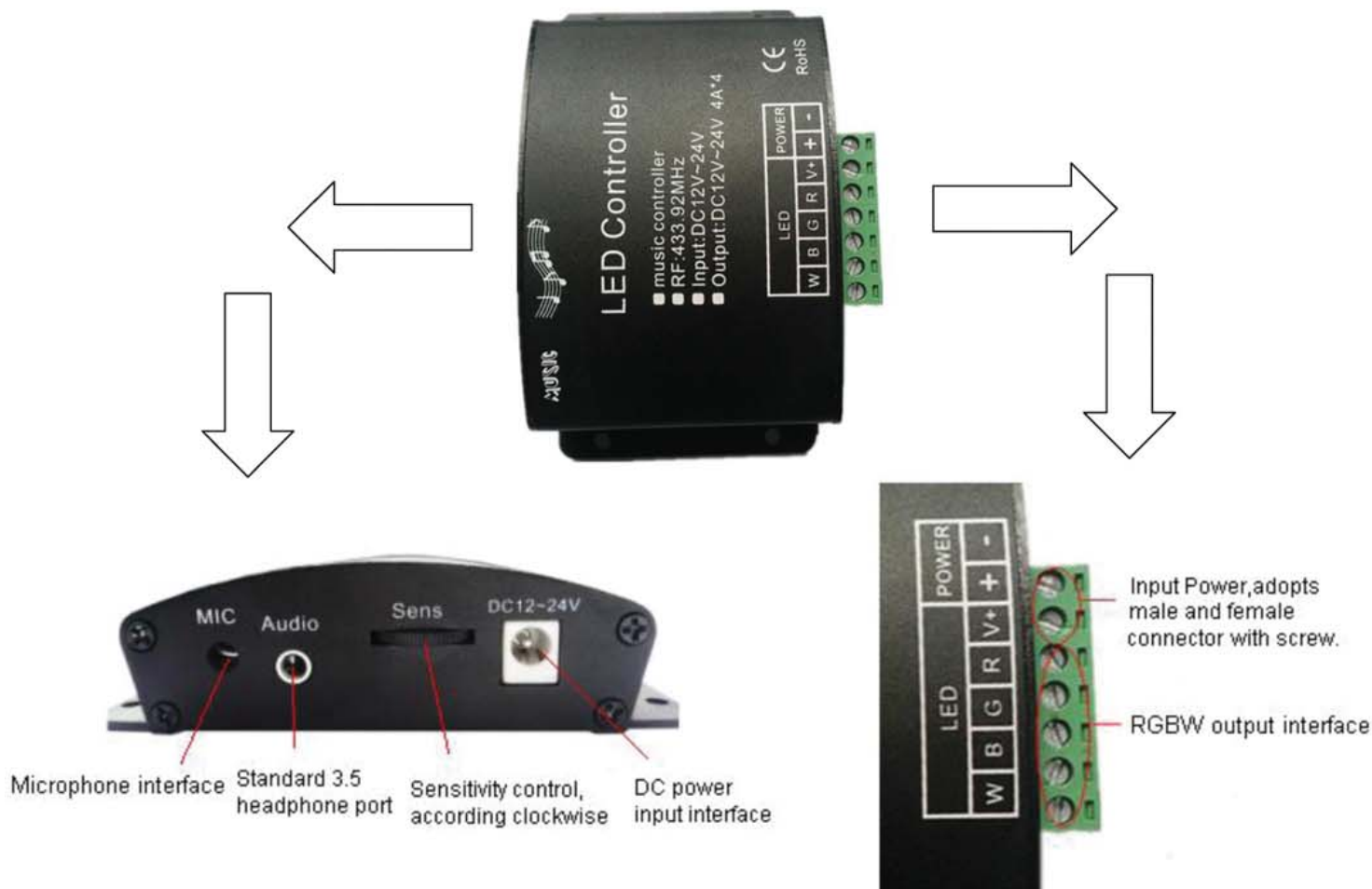
1. S+/S- means speed adjustment for the dynamic mode, and means sensitivity adjustment for the audio mode. Users according to different types of music, the size of the sound to adjust the sensitivity will make the lighting changes more rhythm and vitality of music ;
2. Music mode has fast, medium and slow 3 kinds of rhythmic patterns, that is, the DJ, dynamic, tenderness to distinguish 3 kinds of sound effects, different music selection corresponding changes in the way, will make the atmosphere more harmonious .
3. W control area only control W channel, no interference with RGB area.

Code Learning:

1. Power off and press key "speed -".
2. Power on the controller, the Leds will be 50% brightness white,
3. Continuously to press the key "speed-" for 3 times ,the brightness of LED will be from 25% to 10%
4. Code learning successfully, the mode will be back to the state before the power off
5. If not, please re-operate from step 1 to 4.

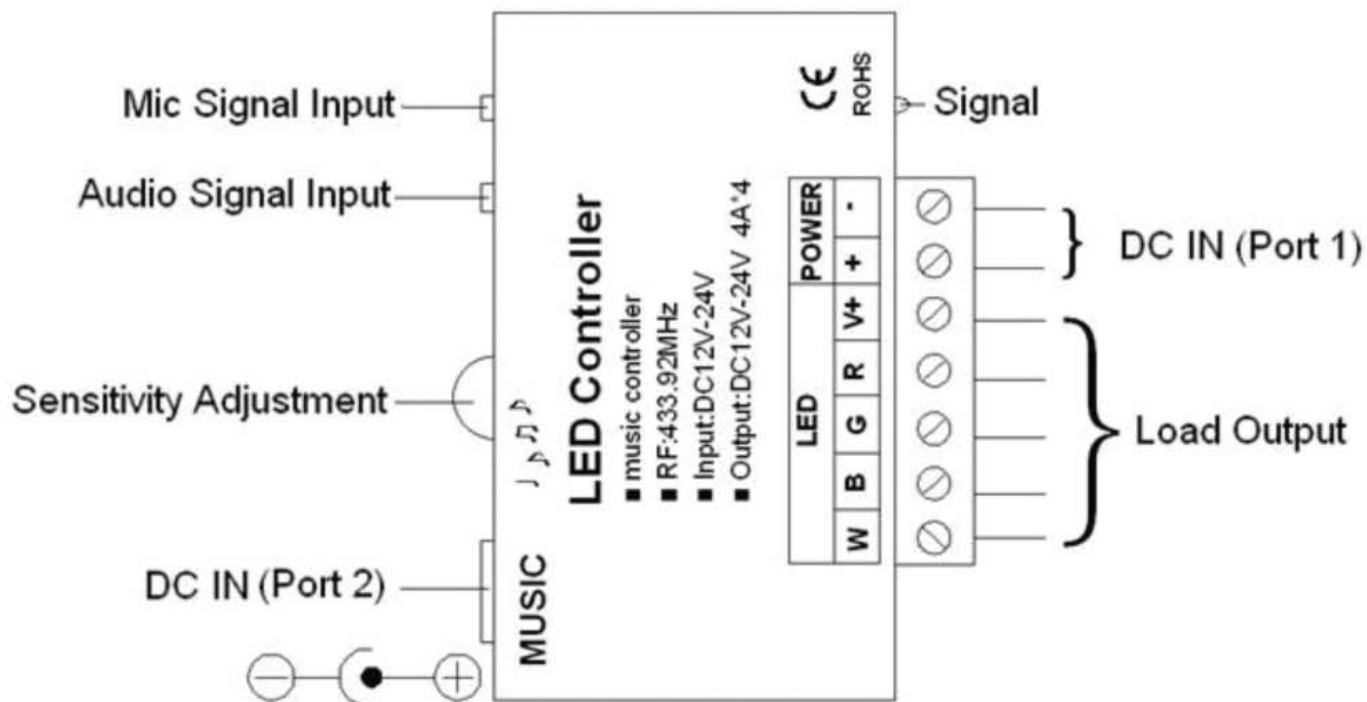
Interface Specifications

Power and Payload interface:



Typical Applications:

Application Circuit:



Product information for placing order

Product name	Item number
RF 24 key Led Audio Controller	HX-AUDIO-RGBW-RF24K