Operation Instructions of Controller

Multifunctional LED controller is a LCD digital interface, using for controlling the RGB color changes of four-wire-three-channel (a total of anode) LED lamps, it has as many as 34 kinds of change mode selections, which can accept the international standard DMX512 control protocol. Controller can be run alone and on-line operation to synchronously receive standard DMX512 control signal for working.
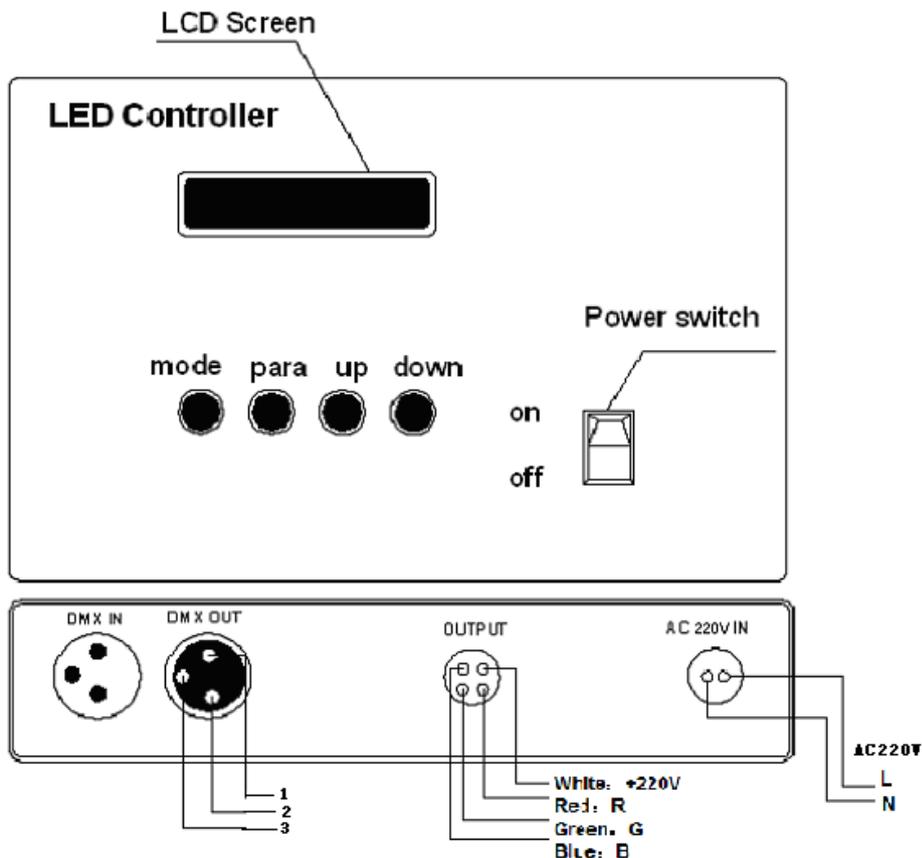
I. Main descriptions:

power input: AC220-240V   output current :2A/channel×3   channels output power:1～1320W
changes in the selection process: 34 kinds of jumpy changing and gradual changing programm
The choice of speed change: 0-100steps   RGB Scale:255×255×255
communication interface : DMX512   product size   L224×W128×H37mm
packing size: L230×W180×H55mm   weight (gross weight): 0.95kg

II. Basic function

1. It's 2X16-LCD liquid crystal display workspace, the setting up of function parameters simple and intuitive.
2. three-channel RGB control, maximum output current of every channel is 2A.
3. There is 34 kinds of jumpy changing and gradual changing in the mode of control, you could individually choose the speed change of each changing pattern.
4. The scale of dimming level is from 0 to 255, you could choose the static LED color and brightness freely.
5. you can edit mode of operation automatically and choose the designated changing mode.
6. to support the agreement DMX512 interface, you could use external connection with DMX512 device for control distant range.
7. contains a DMX512 decoder (3 addresses)

8. automatically store parameters set, it also has power-down protection.
9. It has reloading function for preset parameters (parameters of the factory)

III. structure drawing:

IV. Direction for use

Controllers have four functional keys: MODE,PARA,UP,DOWN.

1 Choosing by the mode button or the UP, DOWN keys:

No	displaying-content	remarks
1	BLACK	Static black
2	STATIC RED	Static red
3	STATIC GREEN	Static green

4	STATIC BLUE	Static blue
5	STATIC YELLOW	Static yellow
6	STATIC PURPLE	Static purple
7	STATIC CYAN	Static cyan
8	STATIC WHITE	Static white
9	COLOR CHANGE	Multicolor jumpy changing
10	COLOR CHANGE2	Jumpy changing (flicker)
11	SIX COLOR CHANGE	Six-color jumpy changing
12	SIX COLOR CHANGE2	Jumpy changing (flicker)
13	RGB CHANGE	Three-color jumpy changing
14	RGB CHANGE2	Jumpy changing (flicker)
15	RG CHANGE	RG jumpy changing
16	RB CHANGE	RB jumpy changing
17	GB CHANGE	GB jumpy changing
18	WHITE CHANGE	White strobe
19	COLOR SMOOTH	Multicolor gradual changing
20	RGB SMOOTH	Three-color gradual changing
21	RG SMOOTH	RG gradual changing
22	RB SMOOTH	RB gradual changing
23	GB SMOOTH	GB gradual changing
24	COLOR GRADUAL	Multicolor occulting
25	RGB GRADUAL	Three-color occulting
26	WHITE GRADUAL	White occulting
27	RG GRADUAL	RG occulting
28	RB GRADUAL	RB occulting
29	GB GRADUAL	GB occulting
30	R GRADUAL	R occulting
31	G GRADUAL	G occulting
32	B GRADUAL	B occulting
33	ADJUST MODE	RGB 0-255 step is adjustable
34	AUTO PROGRAM	Run selected change automatically
35	DMX512 MODE	DMX512 control command
36	DMX512 DECODER	DMX512 decoder

2. Adjusting by para.(1－8 is static, without adjusting function）

No	Show parameter	remarks	
		maximum	minimum
1	RUN SPEED	100	0
2	RUN TIMES	100	0
3	LOAD DEFAULT	Restore the factory parameters	

3. **UP: increase parameters / preset parameters.**
4. **DOWN: reduce parameters / preset parameters.**
5. **AUTO PROGRAM mode is to run 7-32 part of patterns or all patterns repeat, you can set parameter to control its running in RUN TIMES .**
6. **RUN TIMES : compile the run times in 34 AUTO PROGRAM mode, if the operation is 0 ,the pattern is not running.**
7. **Preset parameters: each program has its own factory preset parameters, and is saved separately in controller, LOAD DEFAULT (preset parameters) can restore the program's default parameters. If in the AUTO PROGRAM mode, all programs can be restored to default parameters completely to use LOAD DEFAULT (preset parameters).**
8. **33 ADJUST MODE is manually dimming, you can adjust the brightness level RGB 0-256.**
9. **35 DMX512 MODE is to control all the changes (the first address) and speed (second address).**
10. **36 DMX512 DECODER is DMX decoder, fully accept external DMX512 signal. It occupies three addresses, R (first address), G (second address), B (third address),and it needs to set address (PARA keys to enter).**

V. Attentions:

1. **Supply voltage of this product is AC220V, never connect to other voltage.**

2. **Never connect two wires directly in case of short circuit.**

3. **Lead wire should be connected correctly according to colors that connect drawing offers.**

4. **Warranty of this product is one year, in this period we guarantee replacement or repairing with no charge, but exclude the artificial damage or overload working.**