

*Light4CE*®

# LEDForce 18 RGBW



**USER MANUAL**

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## **LEDForce 18 RGBW**

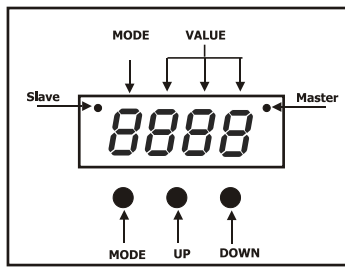
### **1.Safety instructions**

- Every person involved with the installation, operation and maintenance of this device has to :  
    be qualified  
    follow the instructions of this manual
- CAUTION! Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!
- This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.
- Important: Damages caused by the disregard of this user manual are not subject to warranty. The distributor will not accept liability for any resulting defects or problems.
- Keep away from heaters and other heating sources!
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.
- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Make sure that the available voltage is not higher than stated in this manual.
- Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- DANGER OF BURNING! Never touch the device during the operation! The housing heats up to the housing temperature.
- Don't switch the device on and off in short intervals as this would reduce the lamp's life.
- HEALTH HAZARD! Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics)!
- Always disconnect from the mains, when the device is not in user or before cleaning it.
- Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.
- Keep away children and amateurs from the device!
- There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

### **2.Operation Instruction**

- 1) The system has DMX online mode and stand-alone mode. DMX online mode can link up each other and is controlled by DMX controller. Stand-alone has some functions, such as dimmer, change program, music active and so on.
- 2) When under DMX mode or Master/slave mode, the signal is present. The slave LED will blink fast. The address will blink without signal.
- 3) If the slave links up the master and also connects with DMX controller, the master can identify automatically the data and also turn off the function of sending data from master. Under this mode, the led is lightless. The slave receives the signal from DMX controller.

### I. Display description:



### II. Display instruction

Mode: show running mode

VALUE: the display shows address, speed and dimmer value.

SLAVE: the slave sends to indicate

MASTER: the master sends to indicate

### III. Control buttons

**UP:** select DMX address and speed clockwise direction.

**Down:** select DMX address and speed counter-clockwise direction.

**Mode:** select LED mode, the details as figure I.

The device can save the current state under power off and enter automatically the last program when re-turn on.

Figure I:

	Mode	Display	Operation
<b>Display</b>	On all the time	0001	The display is on all the time
	Auto turnoff	0002	The display can turn off automatically after running 10s. Any button is no function under this mode. It can display by pressing any button 3s.
<b>DMX mode</b>	4 CHannel Mode	1***, ***=DMX address	CH1=R dimmer, CH2=G dimmer, CH3=B dimmer, CH4=W dimmer
	6 CHannel Mode	2***, ***=DMX address	CH1=R dimmer, CH2=G dimmer, CH3=B dimmer, CH4=W dimmer, CH5=Total dimmer, CH1=Total strobe
<b>Slave mode</b>		3***, ***=Random	The slave mode can be worked under the manual mode and sound control mode. The unit can not run any operations, and only receives and corresponds to the master mode. All slave run modes are corresponding to the master modes.
<b>Manual Mode</b>	Preset color mode	40**, **=preset color mode	Select the built-in colors from 20 patterns
	Preset program	50**, **=preset program mode	Change 9 preset program via Up/Down key
	Dimmer speed mode	60**, **=speed value	Change the program speed (value 16 is fastest speed ) under 50** via Up/Down key
	R adjust luminance	—***, ***=value	Adjust luminance value via Up/Down key. (0-255)
	G adjust luminance	≡***, ***=value	Adjust luminance value via Up/Down key. (0-255)
	B adjust luminance	≡***, ***=value	Adjust luminance value via Up/Down key. (0-255)
	W adjust luminance	E***, ***=value	Adjust luminance value via Up/Down key. (0-255)
<b>Music Mode</b>		70**, **=Operating mode	1. Display showing 7001-7009 denotes that the unit operates one of the 9 program respectively. 2. Display showing 7ALL denotes that 9 programs respectively run four times.

### **3. Technical specifications**

Input voltage range: 90-260V, 50/60Hz

Power consumption: 95W/107VA (power factor= 0.88)

LED device: 18 x5 Watt Quad Color RGBW LEDs

Expected life time: 50,000 hours

Beam Angle: 25°, (10° optional kit available)

Operational modes: Sound Active, Macro, Auto, DMX

Control protocol DMX 512

DMX modes: 2

Control channels: 4,6

Setting and addressing: LED control display

DMX IN/OUT: 5-pin XLR

Dimensions : (LxWxH) 292 x 216 x 216mm / 11,5" x 8,5" x 8,5" (without hanging bracket)

Weight : 4.9 kg

*Version: 1.1*

*April 19, 2010*

*Specifications are subject to change without specification*