



PROFESSIONAL LED COLOR CHANGER USER MANUAL



**QUADRO L 16**

KEEP THIS MANUAL FOR FUTURE NEEDS



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**Thank you for using QUADRO L 16. For the sake of safety and better operation of this projector, please read this manual carefully before using and operating it, lest incur any personal injury or damage to the projector.**

## **SAFETY INSTRUCTIONS**



### **CAUTION!**

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in 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 dealer will not accept liability for any resulting defects or problems.*

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately.

The arising condensation could damage the device.

Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

No move at operating mode.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

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.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 0.1m distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

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.



### **CAUTION!**

Never touch the device during operation!  
The housing may heat up



### **CAUTION!**

Never look directly into the light source,  
as sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

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## GENERAL GUIDELINES

This device is a lighting effect for professional use on stages, in discotheques, theatres, etc. This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual, the device was designed for indoor use. Lighting effects are not designed for permanent operation. Consistent operational breaks may ensure that the device will function properly for a long time.

Do not shake the device. Avoid brute force when installing or operating the device.

The device shall only be used complete with its protective shield.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. The minimum distance between light-output from the projector and the illuminated surface must be more than 0.1 meter.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

## INSTALLATION INSTRUCTIONS

### *Mounting the device*



#### **CAUTION!**

Please consider the EN 60598-2-17 and the other respective national norms during the installation. The installation must only be carried out by a qualified person.

The applicable temperature for the lighting is between 0°C~45°C Do not use the lighting under or above the temperature.

The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, an appropriate safety rope.

Never stand directly below the device when mounting, removing or servicing the fixture.

The operator has to make sure the safety relating and machine technical installations are approved by an expert before taking the device into operation for the first time.

These installations have to be approved by a skilled person once a year.

#### **Cautions:**

The effect should be installed outside areas where persons may reach it, walk by or be seated.

Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself.

Improper installation can result in bodily injury.



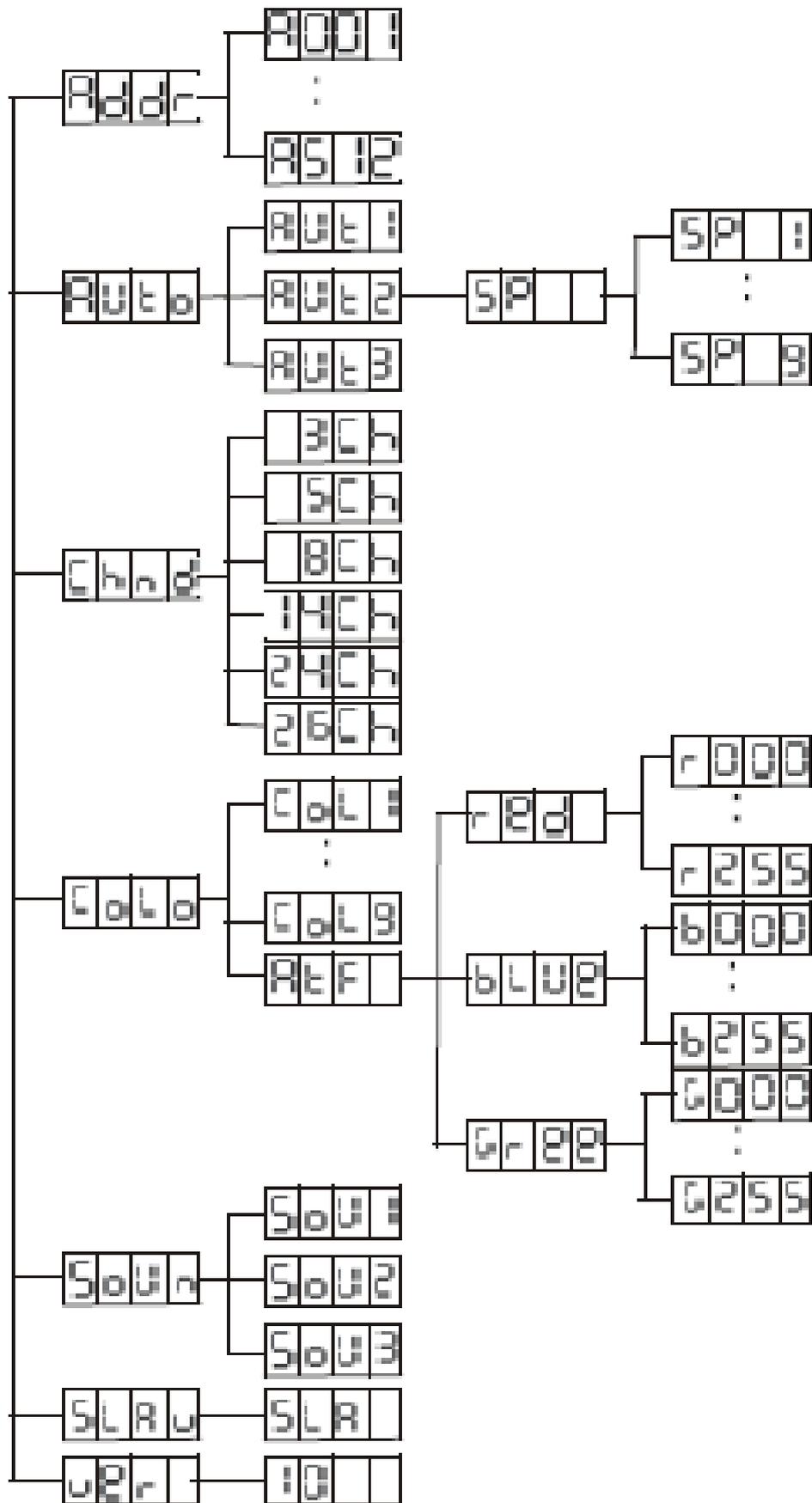
#### **CAUTION!**

The electric connection must only be carried out by a qualified electrician.

Before mounting make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Connect the fixture to the mains with the power plug.

**On-Board System Menu:**



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The QUADRO L16 comes with an easy to navigate system menu.

This next section will detail the functions of each command in the system menu.

To access the main menu press the ESC button.

Tap the UP or DOWN buttons until you reach function you wish to change.

When you reach the function you wish to change press the ENTER button.

When a function is selected use the UP or Down buttons to change the function settings.

Once your changes are made press the ENTER button.

***Addr - DMX Address Setting via control board and motor setting.***

Tap the ESC button and UP button or DOWN button until “Addr” is displayed, press ENTER.

“Axxx” will now be displayed, “x” represents the displayed address.

Press the UP or DOWN buttons to find your desired address.

***Auto - This menu will let you select your desired auto mode.***

Tap the ESC button and UP button or DOWN button until “Auto” is displayed, press ENTER.

“Autx” will now be displayed, you can confirm three modes by UP or DOWN for auto mode.

***Chnd - This menu will let you select your desired DMX Channel mode.***

Tap the ESC button and UP button or DOWN button until “Chnd” is displayed, press ENTER.

“X Ch” will now be displayed, “X” represents the displayed DMX channel mode.

Press the UP or DOWN buttons to find your desired Channel mode.

***CoLo - This menu will let you select your desired sound mode.***

Tap the ESC button and UP button or DOWN button until “CoLo” is displayed, press ENTER.

Either “CoL X”, “X” representing a number between 1-9 or “AtF ” will be displayed.

Press the UP or DOWN buttons to select either a static color or “AtF ” mode.

If you select a static color press ENTER and it will be confirmed.

“AtF ” Make your own color by mixing and adjusting the red, blue and green manually.

Select “AtF”, press ENTER, “red ” ”Gree ”or”blue” will be displayed.

Red is first, press ENTER ,then you can adjust it between 1-255, press ESC ,

you can select other color by UP or DOWN and then press.

ENTER to adjust it.

***SoUn - This menu will let you select your desired sound mode.***

Tap the MENU button until “Soun” is displayed, press ENTER.

“Soux” will now be displayed, You can confirm three modes by UP or DOWN for sound mode.

***SLAv - This menu will let you select your desired Master/slave mode.***

Tap the MENU button until “SLav” is displayed, press ENTER.

“Sla ” will now be displayed, Slave mode is confirmed.

It will be slaved by auto mode sound mode and chase mode.

***vEr - This will display the software version.***

Tap the MENU button until “VER” is displayed.

Press the ENTER button and the software vesion will be displayed.

Press the MENU button to leave this function.

**Universal DMX control mode:**

Each function of this machine can be controlled by a standard DMX-512 console.

DMX controller allows you to create unique programs tailored to your individual needs. Quadro L16 can work with six configurable channel modes. See the channel chart below:

	3 channel mode	5 channel mode	8 channel mode	14 channel mode	24 channel mode	26 channel mode	Functions
Control channel	1	3	3	3	1	3	Red
	2	4	4	4	2	4	Green
	3	5	5	5	3	5	Blue
			6	6	4	6	Red
			7	7	5	7	Green
			8	8	6	8	Blue
				9	7	9	Red
				10	8	10	Green
				11	9	11	Blue
				12	10	12	Red
				13	11	13	Green
				14	12	14	Blue
					13	15	Red
					14	16	Green
					15	17	Blue
					16	18	Red
					17	19	Green
					18	20	Blue
					19	21	Red
					20	22	Green
					21	23	Blue
					22	24	Red
					23	25	Green
					24	26	Blue
		1	1	1		1	Dimmer, internal programs and functions (see below)
		2	2	2		2	Speed (see below)

#### DMX value and function

<b>LED Main function</b>	0-7	8-15	16-23	24-31	.....	237-244	245-242	242-247	248-255
	Dimmer	Strobing	Mode1	Mode2	.....	Mode27	Sound1	Sound2	Sound3
<b>Function Speed</b>	0-----255								
	Slow-----Fast								

### TECHNICAL SPECIFICATIONS:

Model: QUADRO L16  
 Voltage: 100V~240V,50Hz~60Hz  
 LEDs : 16 x 3W 3-in-1 LEDs

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Power Consumption 80W

Fuse : 1Amp

Weight: 5.3Kg

Dimensions : 965 x 64 x 153mm

Colors : RGB Color Mixing

DMX Channels : 3, 5, 8, 14, 24, & 26 DMX Channel Modes