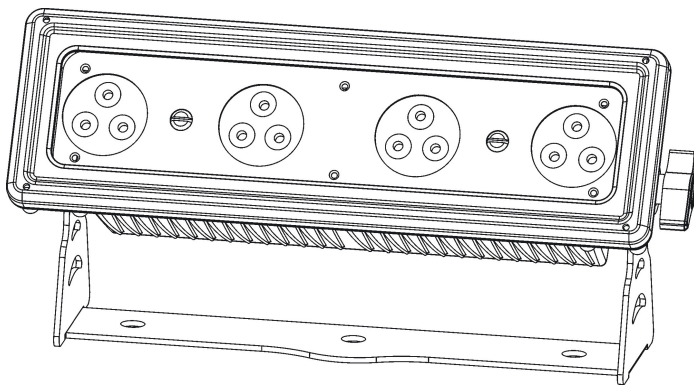




PROFESSIONAL LED Lighting USER MANUAL



WALLY 12

KEEP THIS MANUAL FOR FUTURE NEEDS **CE** Thank

you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.



CAUTION!

Unplug mains lead before opening the housing.

In order to install , operate, and maintain the lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

INTRODUCTION:

Thank you for having chosen this professional LED lighting.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the box you should find:

1. Two XLR waterproof connection cables
2. One waterproof power cables
3. One safety rope
4. Manual

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

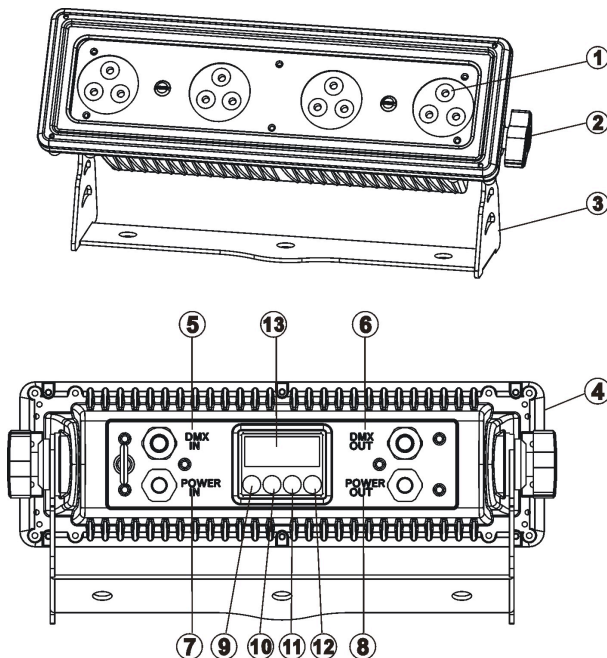
DESCRIPTION OF THE DEVICE

Features

- Equipped with 12 x 3 W LEDS: 4 x red , 4 x green, 4 x blue
- 100 000 hours LED life
- 3, 4, 6, 12 or 15 DMX channels selectable for numerous applications
- Strobe-effect with 1-18 flashes per second
- Programmable colour-change speed and strobe effect

- 4digit LED display
- DMX-controlled operation or stand alone operation with Master/Slave-function
- Preset program: 8 built in programs can be called up via DMX controller
- Software-upload by optional accessory via DMX line

Overview



- | | |
|--------------------|-------------------|
| (1) LEDs | (8) Power output |
| (2) Fixation screw | (9) Menu-button |
| (3) Floor stand | (10) Up-button |
| (4) Housing | (11) Down-button |
| (5) DMX input | (12) Enter-button |
| (6) DMX output | (13) Display |
| (7) Power input | |

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 should be earthed.

The electric connection must carry out by qualified person.

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.

Fixtures cannot be installed on combustible substances, keep more than 50cm 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.

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 and outdoor 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, lamp explosion, crash, etc.

INSTALLATION INSTRUCTIONS



CAUTION!

Do not operate this device with open cover



CAUTION!

Only install the lamp with the device unplugged from the mains.

Mounting the device



CAUTION!

Please consider the EN GB7000.15/EN60598-2-17 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 $-25^{\circ}\text{C} \sim 45^{\circ}\text{C}$. 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, e.g. an appropriate safety cable.

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.

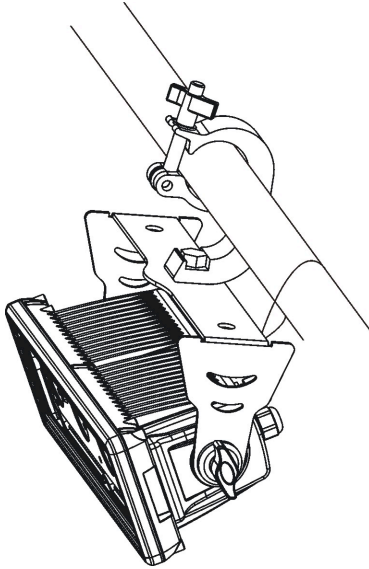
Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper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



CAUTION!

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

Installation method via clamp



Screw one clamp each via a M12 screw and nut onto the Omega holders.

Pull the safety-rope through the holes on the bracket of the base and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the LED lighting. You can chain multiple LED lighting together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

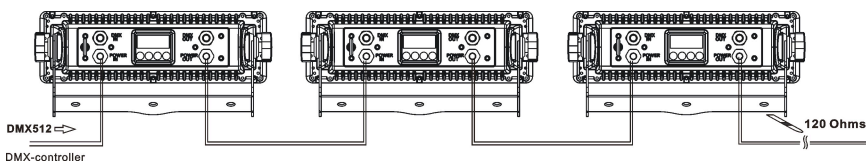
DMX output
3-Pin XLR Socket



DMX Input
3-Pin XLR Socket



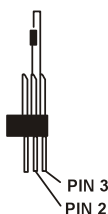
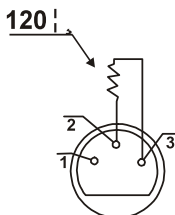
- 1: Ground
- 2: Signal (-)
- 3: Signal (+)



Please note: to ensure maximal stability, when the voltage is 120V, only eight devices may be connected together in this manner! From the ninth device, please connect to power supply to get power for the second link; when the voltage is over 220V, only fifteen devices may be connected together in this manner! From the sixteenth device, please connect to power supply to get power for the second link.

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



OPERATION

Display menu:

MODE	<ADDR>	VALU	A001~AXXX (AXXX)	DMX address setting
		SLAV	ON/OFF	Set as Slave
		RDMX	ON/OFF	Change address via DMX
	<RUN>	AUTO	ALON/MAST	Run Auto program
	<DISP>	VALU	D-XX D-00(DXXX)	Display DMX value
		FLIP	ON/OFF	Flip display
		D ON	ON/OFF	Delay shutting off LED display
		LOCK	ON/OFF	Key lock (Press the MENU button for 3 seconds to activate)
SET	<CHAN>	3CH/4CH /6CH/12CH /15CH		DMX channel Mode
	<FAIL>	OFF/HOLD/AUTO		Status while there is no DMX
	<DFSE>	ON/OFF		Default setting
	<POHO>	ON/OFF		Power on to preserve the MANL settings
	<VER>	V-1.0~V-9.9		Software version

MANL	<RED>	RXXX (0-255)		Manual adjust intensity
	<GREN>	GXXX (0-255)		
	<BLUE>	BXXX (0-255)		
	<PROG>	PXXX (0-255)		
	<STRB>	SXXX (0-255)		
	<DIMM>	DXXX (0-255)		
TIME	<LIFE>	0000~9999(HOURS)		Life time of machine running
	<CODE>	CXXX		Password of clear time ”038”
	<CLFE>	ON/OFF		Clear machine running time
EDIT	<STEP>	S-01~S-48		Select steps of program
	REC.	RE.XX		Auto Save Scene
	<SC01> ~<SC48>	RED	RXXX (0-255)	Edit the internal scenes
		GREN	GXXX (0-255)	
		BLUE	BXXX (0-255)	
		PROG	PXXX (0-255)	
		STRB	SXXX (0-255)	
		DIMM	DXXX (0-255)	
		FADE	XXX (0-255)	
		TIME	XXX.X(000.1s~999.9s)	
	CEDT	ON/OFF	Edit program via controller	

Notice

- 1) When you set the device to run as master or stand alone, it will run the default program if without a edit program.
- 2) After edit a program, you can run it by enter the menu
"Mode"--"RUN"--"Auto"--"Alone/Mast"

Main functions:

MODE - SET - MANL - TIME - Edit

MODE

- Main menu

1. Press **[MENU]** to enter the main menu "MODE" (display flashing)
2. Press **[ENTER]** and select "ADDR", "RUN" or "DISP" by pressing **[UP]** or **[DOWN]** button.
3. Press **[ENTER]** for selecting the desired sub menu.

MODE-Addr

RUN

DISP

Addr

DMX address setting, Slave setting

MODE-Addr-VALU-ADDR-AS10

SLAV-ON/OFF

rdn1-ON/OFF

VALU

- DMX address setting

With this function, you can adjust the desired DMX-address via the Control Board.

1. Select "VALU" by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, adjust the DMX address by pressing **[UP]** or **[DOWN]** button.
3. Press **[ENTER]** to confirm or pressing **[MENU]** to return to main menu.

SLAV

- Slave setting

With this function, you can define the device as slave.

1. Select "SLAV" by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows "ON" or "OFF".

3. Press **[UP]** to select **“ON”** if you wish to enable this function or press **[DOWN]** to select **“OFF”** if you don't.
4. Press **[ENTER]** to confirm or press **[MENU]** to return to main menu.



-DMX address setting via controller

With this function, you can adjust the desired DMX-address via an external controller.

This function can only be activated when the DMX-value of all other channels is set to "0" on the controller.

Select **“EBOC”** by pressing **[UP]** or **[DOWN]**.

Press **[ENTER]**, the display shows **“ON”** or **“OFF”**.

Press **[UP]** to select **“ON”** if you wish to enable this function or **[DOWN]** to select **“OFF”** if you don't.

Press **[MENU]** to confirm.

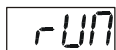
Press **[ENTER]** in order to return to the main menu.

On the controller, set the DMX-value of channel 1 to "7".

Set the DMX-value of channel 2 to "7" or "8". When set to "7" you can adjust the starting address between 1 and 255. When set to "8" you can adjust the starting address between 256 and 510.

Set the DMX-value of channel 3 to the desired starting address. If you want to set the starting address to 57, set channel 1 to "7", channel 2 to "7" and channel 3 to "57". If you want to set the starting address to 420, set channel 1 to "7", channel 2 to "8" and channel 3 to "164" ($256+164=420$).

Wait for approx. 20 seconds and the unit will carry out a reset. After that, the new starting address is set.



- Program Run, Master setting

With the function **"RUN"**, you can run the internal program. You can set the number of steps under Step. You can edit the individual scenes under Edit.

node-run-AUTO-ALON
MAST

1. Select “ALON” or “MAST” by pressing [UP] or [DOWN] button.
2. Press [ENTER] to confirm or Press [MENU] to return to the main menu.

disp — Display the DMX-value, Reverse display, Shut off LED display

disp — VALU
FLIP
DOWN
LOCK

VALU - Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel.

1. Select "VALU" by pressing [UP] or [DOWN] button.
2. Press [ENTER] to confirm; the display shows “D-00”. In this setting, the DMX-adjustment of every channel will be displayed.
3. Press [UP] or [DOWN] button in order to select the desired channel. If you select “D-15” the display will only show the DMX-value of the 15th channel.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.

5. The display shows "**D- XX**", "X" stands for the DMX-value of the selected channel.



- Reverse display

With this function you can rotate the display by 180°.

1. Select "**FLIP**" by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows "**ON**" or "**OFF**".
3. Press [UP] to select "**ON**" if you wish to enable this function or press [DOWN] button to "**OFF**" if you don't; the display will rotate by 180°.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.



- Shut off LED display

With this function you can shut off the LED display after 2 minutes.

1. Select "**D ON**" by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows "**ON**" or "**OFF**".
3. Press [UP] to select "**ON**" if you wish to enable this function or press [DOWN] button to "**OFF**" if you don't.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.



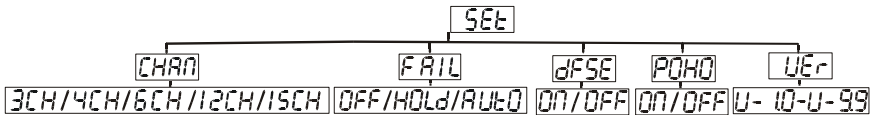
——locked keys the display

With this function you can activate the automatic keylock function. If this function is activated, the keys will be locked automatically after exiting the edit mode for 15 seconds. keeping press the [MENU] key for 3seconds if you want to deactivate the keylock statu.

1. Tap the [UP] button until "**LOCK**" is displayed and tap the [ENTER] button.
2. Press the [UP] button to select "**ON**" to activate this function, or "**OFF**" to deactivate this function. Press [ENTER] to confirm.
3. Press [MENU] to return to the main menu.

SEt

—Main menu



1. Press **[MENU]** to enter the main menu (display flashing).
2. Press **[UP]** or **[DOWN]** button. to select “SET”.

CHAN

—“CHAN” DMX channel MODE

With this function you can choose DMX channel Mode

1. Select “CHAN” by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows “3CH”, “4CH”, “6CH”, “12CH”, “15CH”.
3. Press **[UP]** or **[DOWN]** button to select “3CH”, “4CH”, “6CH”, “12CH”, “15CH”, the default is “3CH”.
4. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.

FAIL

—Automatic Run by no DMX

With this function you can automatic run the device by no DMX.

1. Select “FAIL” by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows “OFF”, “HOLD” or “AUTO”.
3. Press **[UP]** or **[DOWN]** button to select “OFF”, “HOLD” or “AUTO”, the default is “HOLD”.
4. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.

dFSE

—Restore factory settings

With this function you can restore the factory settings of the device. All settings will be set back to the default values (shaded). Any edited scenes will be lost.

1. Select “dFSE” by pressing **[UP]** or **[DOWN]** button.

2. Press [ENTER], the display shows “ON” or “OFF”.
3. Press [UP] to select “ON” if you wish to enable this function or press [DOWN] button to “OFF” if you don’t.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.



——Power on to preserve the MANL settings

With this function you can activate. The fixture will return to the scene manual set before automatically after re-power on.

1. Tap the [UP] button until “POHO” is displayed and tap the [ENTER] button.
2. Press the [UP] button to select “ON” to activate this function, or “OFF” to deactivate this function. Press [ENTER] to confirm.
3. Press [MENU] to return to the main menu.



— Software version

With this function you can display the software version of the device.

1. Select “VER” by pressing [UP] or [DOWN] button.
2. Press [ENTER], The display will show “V-XX”, "XX" stands for the version number, such as the display may also show, "V-2.0", "V-9.9" etc.
3. Press [ENTER] to confirm or Press [MENU] to return to the main menu.



——Manual adjust intensity

With this function you can Manual adjust intensity

1. Select “MANL” by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows “RED”, “GREN”, “BLUE”, “PROG”, “STRB”, “DIMM”.
3. Press [UP] or [DOWN] button to select “RED”, “GREN”, “BLUE”, “PROG”, “STRB”, “DIMM”.

4. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.

TIME — Main menu

TIME - **LIFE** - 0000-9999
 CODE - 038
 CLFE - ON/OFF

1. Press **[MENU]** to enter the main menu (display flashing).
2. Press **[UP]** or **[DOWN]** button to select “**TIME**”.
3. Press **[MENU]** to enter the main menu (display flashing).
4. Press **[UP]** or **[DOWN]** button to select “**TIME**”.

LIFE - Fixture running time

With this function you can display the running time of the device.

1. Select “**LIFE**” by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows “**XXXX**”, “X” stands for the number of hours.
3. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.

CODE - Time password

With this function you can display the running time of the lamp.

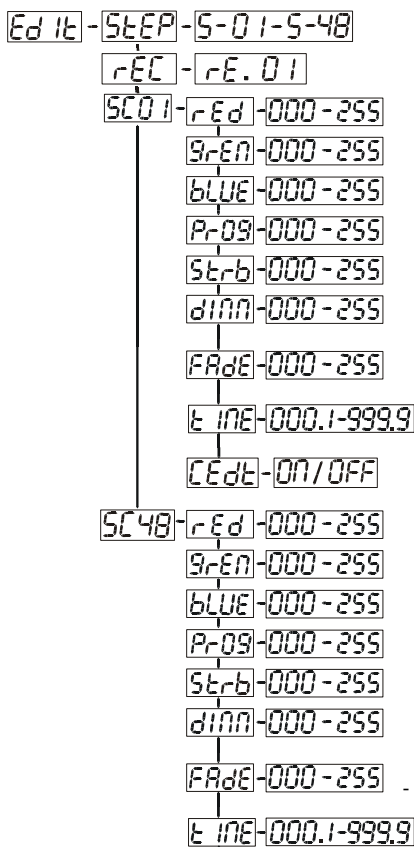
1. Select “**CODE**” by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows “**C038**”, “038” is password of clear open time.
3. Press **[MENU]** to return to the main menu.

CLFE - Clear fixture time

With this function you can clear the running time of the device.

1. Select “**CLFE**” by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows “**ON**” or “**OFF**”.
3. Press [UP] to select “**ON**” if you wish to enable this function or press [DOWN] button to “**OFF**” if you don’t.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.

Ed It — Main menu



1. Press [MENU] to enter the main menu (display flashing).
2. Press [UP] or [DOWN] button to select “**EDIT**”.

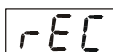
STEP - Define the number of steps in

Run

With this function you can define the number of steps in the Program Run.

1. Select “**STEP**” by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows “**S-XX**”, “X” stands for the total amount of steps you want to save, so you can call up to 48 scenes in “**RUN**”. For example if the “XX” is 05, it means that “**RUN**” will run the first 5 scenes you saved in “**EDIT**”.

3. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.



-Auto Save

With this function you can automatic save the number of steps in the Program Run.

1. Select **"REC"** by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows **"RE.XX"**, **"XX"** stands for the number from 1 to 400.
3. Press **[ENTER]** to confirm or Press **[MENU]** to return to the main menu.



- Editing the channels of the individual scenes

With this function you can edit the program to be called up in Run.

1. Select **"SC01"** by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows **"SCXX"**, **"X"** stands for the scene no. to be edited.
3. Select the channel no. you would like to edit by pressing **[UP]** or **[DOWN]** button.
4. Adjust the desired DMX value by pressing **[UP]** or **[DOWN]** button.
5. Press **[ENTER]** in order to edit other channels of this scene.
6. Repeat steps 3-5 until you finish setting all the DMX values for all channels of this scene.
7. Once all the channels completed, the display will flash **"TIME"**
8. Press **[ENTER]** to edit the time needed, the display shows **"TXXX"**, **"XXX"** stands for the time needed to run the current scene, value **"001-999"**. E.g., **"002"** means you need 0.4ms (002*0.2ms) to run the current scene. Adjust the desired time by pressing **[UP]** or **[DOWN]** button.
9. Press **[ENTER]** to save the settings for the scene you are editing, the display will change to the next scene automatically.
10. Repeat step 3-8 to edit and other scenes, you can edit and save a maximum of 48 scenes.

11. Press **[MENU]** to exit. The number of steps can be defined under “**STEP**” and the scenes can be called up under “**RUN**”.

b) Editing via the external controller

Call up the first scene in your controller now.

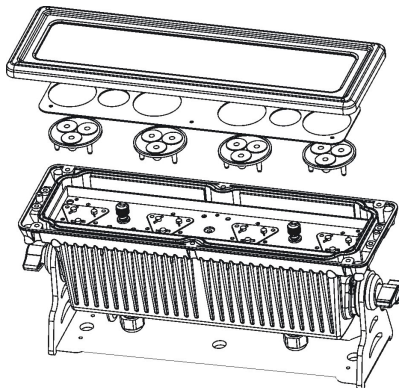
1. Press **[ENTER]**, the display to be edited.
2. Select “**SC01**” by pressing **[UP]** or **[DOWN]** button.
3. Select the channel no. you would like to edit by pressing **[UP]** or **[DOWN]** button.
4. Press **[ENTER]**, the display shows “**C-01**”.
5. Press **[UP]** or **[DOWN]** button .the display shows " **FADE** ". (Adjust fade speed)
6. Press **[ENTER]**, the display to be adjust fade speed.
7. Select "**CEDT**" by pressing **[UP]** or **[DOWN]** button.
8. Press **[ENTER]**, the display shows "**OFF**".
9. Press **[UP]** or **[DOWN]** button .the display shows "**ON**".
10. Press **[ENTER]**, the display shows "**SC02**". You successfully downloaded the first scene.
11. Adjust the Step-time as described above under point 12.
12. Call up the second scene in your controller now.
13. Repeat steps 5-11 until all desired scenes are downloaded.
14. Press **[MENU]** to exit. The number of steps can be defined under “**STEP**” and the scenes can be called up under “**RUN**”.

INSTRUCTIONS ON USE:

DMX channel's functions and their values :						
Mode/Channel					Value	Function
3CH	4CH	6CH	12CH	15CH		
1	1	1			0-255	Red (0-Black , 255-100%)
2	2	2			0-255	Green (0-Black , 255-100%)

3	3	3			0-255	Blue(0-Black , 255-100%)
		4		13	0-10	No function
					11-40	internal program 1
					41-70	internal program 2
					71-100	internal program 3
					101-130	internal program 4
					131-160	internal program 5
					161-190	internal program 6
					191-220	internal program 7
					221-255	internal program 8
			1	1	0-255	Red (group1)
			2	2	0-255	Green(group1)
			3	3	0-255	Blue(group1)
			4	4	0-255	Red (group2)
			5	5	0-255	Green(group2)
			6	6	0-255	Blue(group2)
			7	7	0-255	Red (group3)
			8	8	0-255	Green(group3)
			9	9	0-255	Blue(group3)
			10	10	0-255	Red (group4)
			11	11	0-255	Green(group4)
			12	12	0-255	Blue(group4)
		5		14	0	No function (shutter open)
					1-95	Strobe effect slow to fast
					96-127	No function (shutter open)
					128-159	Pulse-effect in sequences
					160-191	No function (shutter open)
					192-223	Random strobe effect slow to fast
					224-255	No function (shutter open)
	4	6		15	0-255	dimming(0-Black , 255- 100%)

The following to change the lens for the different angle



CLEANING AND MAINTENANCE

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth.

Never use alcohol or solvents.

There are no serviceable parts inside the device except for the lamp. Please refer to the instructions under “Installation instructions”.

Should you need any spare parts, please order genuine parts from your local dealer.

TECHNICAL SPECIFICATIONS

Power supply: AC 100V-240V~, 50 Hz /60Hz

Power consumption: 40 W

Waterproof grade: IP 66

Packing dimensions: 42 x 16 x 27cm/1pcs; 62.5 x 45 x 27.5cm/4pcs

Net weight: 4 KGS

Gross weight: 5.7KGS/1PCS, 21.5 KGS/4PCS

Remark: errors and omissions for every information given in this manual except. All information is subject to change without prior notice.