

Sommario

INTRODUCTION 2

DESCRIPTION OF THE DEVICE 2

Features 2

OVERVIEW 3

SAFETY INSTRUCTIONS 3

Overhead rigging..... 4

DMX-512 control connection 5

OPERATION 6

Display menu 6

INSTRUCTIONS ON USE:11

CLEANING AND MAINTENANCE12

INSTALLATION12

TECHNICAL SPECIFICATIONS12



KEEP THIS MANUAL FOR FUTURE NEEDS**CAUTION!**

For your own safety, please read this user manual carefully before you initial start-up.

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

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:

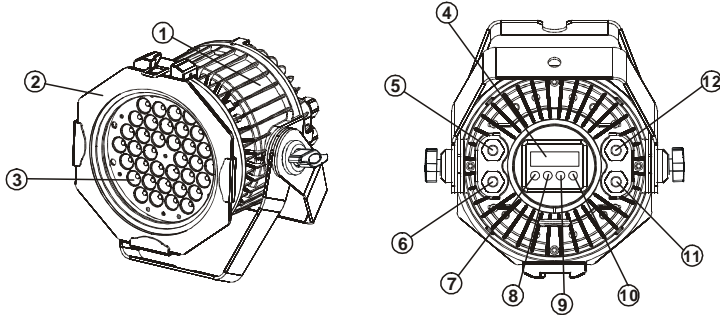
1. The fixture device
2. One power cables
3. Two XLR waterproof connection cables
4. One safety rope and this manual

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**

- 3, 4 or 6 DMX channels selectable for numerous applications
- Equipped with 36 x 3 W LEDs: 12 x red, 12 x blue, 12 x green
- 100 000 hours LED life
- The LEDs can be controlled individually
- Switch-mode power supply
- Automatic power supply adaption between 100 and 240 Volts without power selector
- Stepless RGB colour changing
- Programmable color-change speed and strobe effect
- DMX-controlled operation or stand alone operation with Master/Slave-function
- Strobe-effect with 1-18 flashes per second
- Programmed chaser
- Rainbow-effect with adjustable speed
- Advantages of LED-technology: Extremely long life, low power consumption, minimal heat emission, defect maintenance free with brilliant light radiation
- DMX-control via every standard DMX-controller
- 4digit LED display
- Preset program: 7 built in programs can be called up via DMX controller

OVERVIEW



- | | |
|-----------------|------------------|
| 1. Housing | 7. Menu-button |
| 2. Diffusion | 8. Up-button |
| 3. LEDS | 9. Down-button |
| 4. Display | 10. Enter-button |
| 5. Power output | 11. DMX-input |
| 6. DMX output | 12. 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.

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.

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.

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.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

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 device during operation! The housing may heat up

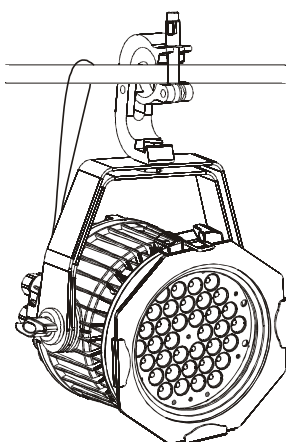


Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

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

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.

Overhead rigging

Screw the bolt of the clamp into the hold of the bracket, and tighten the screw underneath.
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.

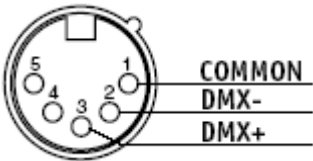
DMX-512 control connection

The product has a DMX 512 input fitted with standard 5-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

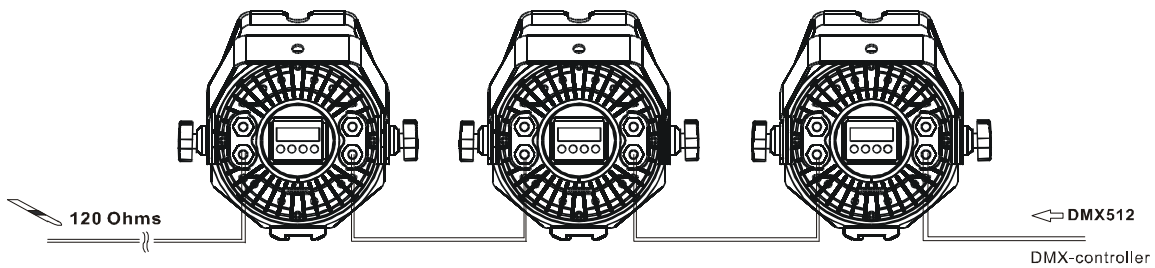
- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.



Cable connections:



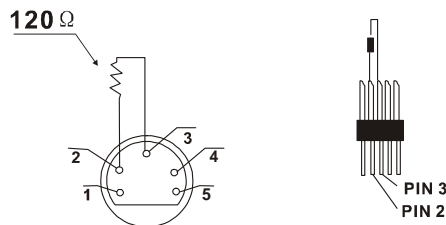
see illustration, taking care with the screen, which must be connected to Pin 1



Please note: to ensure maximal stability, when the voltage is 120V, only six devices may be connected together in this manner!
Please note: to ensure maximal stability, when the voltage is 220V, only ten devices may be connected together in this manner! From the eleventh 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	
	<DISP>	<RUN>	AUTO	ALON/MAST	Run Auto program
		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		DMX channel Mode	
	<DIMR>	MOD1 /MOD2		dimmer Mode	
	<FAIL>	OFF/HOLD/AUTO		Status while there is no DMX	
	<DFSE>	ON/OFF		Default setting	
	<VER>	V-1.0~V-9.9		Software version	
MANL	<RED GREN BLUE PROG STRB DIMM>	R XXX(000~255) G XXX(000~255) B XXX(000~255) P XXX(000~255) S XXX(000~255) D XXX(000~255)		Manual adjust intensity	
TIME	<LIFE>	0000~9999(HOURS)		Life time of machina running	
	<CODE>	CXXX		Passord of clear time "038"	
	<CLFE>	ON/OFF		Clear machina running time	
EDIT	<STEP>	S-01~S-48		Select steps of program	
	<SC01> ~<SC48>	RED	R XXX(000~255)	Edit the internal scenes	
		GREN	G XXX(000~255)		
		BLUE	B XXX(000~255)		
		PROG	P XXX(000~255)		
STRB	S XXX(000~255)				
DIMM	D XXX(000~255)				
	FADE	XXX			
	TIME	XXX.X(000.1S~999.9S)			

Main functions

MODE - SET - MANL - TIME - Edit

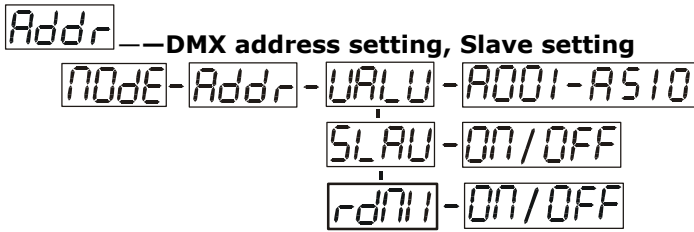
MODE - Main menu

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



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.

rdn1 - 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".

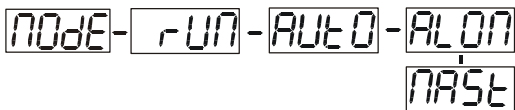
Set the DMX-value of channel 2 to "7" or "8". When set to "7" you can adjust the starting address between 1 and 255. When set to "8" you can adjust the starting address between 256 and 510.

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.

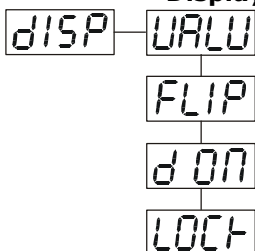
RUN - Program Run, Master setting

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.



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



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-14" the display will only show the DMX-value of the 14th 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.

FLIP - 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.

D ON - Shut off LED display

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

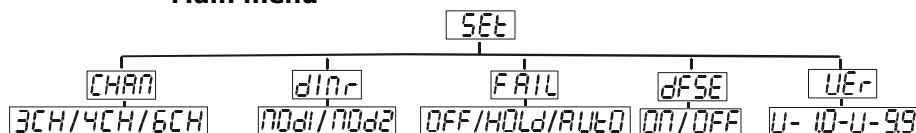
1. Select "D ON" by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows "ON" or "OFF".
3. Press [UP] to select "ON" if you wish to enable this function or press [DOWN] button to "OFF" if you don't.
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.

LOCK - locked keys the display

With this function you can activate the automatic keylock status. If this function is activated, the keys will be automatically locked in 15 seconds from the last press. In order to deactivate the keylock status, press the Mode/Esc-button for 3 seconds.

1. Access the main menu.
2. Tap the [UP] button until "DISP" is displayed.
3. Press [ENTER], the display will show "VALU".
4. Tap the [UP] button until "LOCK" is displayed and tap the [ENTER] button.
5. Press the [UP] button to select "ON" to activate this function, or "OFF" to deactivate this function.
6. Press [ENTER] to confirm.
7. Press [MENU] to return to the main menu.

SET - Main menu



1. Press [MODE/ESC] 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".
3. Press [UP] or [DOWN] button to select "3CH", "4CH", "6CH", the default is "3CH".
4. Press [ENTER] to confirm or Press [MENU] to return to the main menu.

dIMr --- "DIMR" DIMMER MODE

With this function you can choose dimmer Mode

1. Select "DIMR" by pressing **[UP]** or **[DOWN]** button.
2. Press **[ENTER]**, the display shows "MOD1", "MOD2".
3. Press **[UP]** or **[DOWN]** button to select "MOD1", "MOD2", the default is "MOD1".
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.

VER - 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.

MANL --- 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.

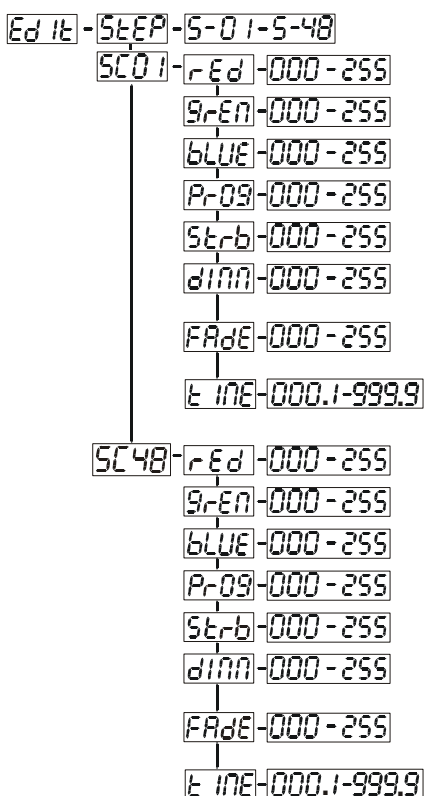
1. Select "CODE" by pressing [UP] button.
2. Press [ENTER], the display shows "C038", "038" is password of clear open time.
3. Press [MENU] to return to the main menu.

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.

Edit - 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.

SC01 - Editing the channels of the individual scenes

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

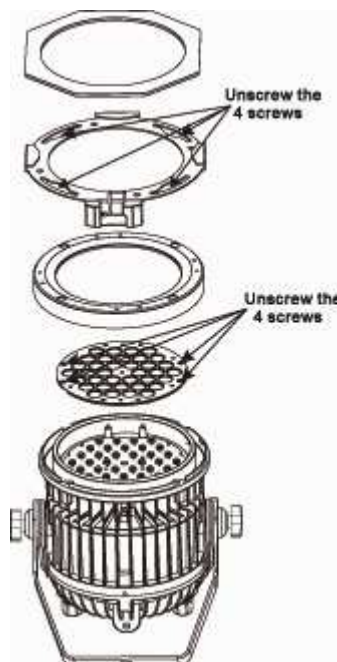
1. Select "SC01" by pressing [UP] or [DOWN] button.
2. Press [ENTER], the display shows "SCXX", "X" stands for the scene no. to be edited.
3. Select the channel no. you would like to edit by pressing [UP] or [DOWN] button.
4. Adjust the desired DMX value by pressing [UP] or [DOWN] button.
5. Press [ENTER] 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".

**INSTRUCTIONS ON USE:
DMX channel´s functions and their values**



Mode/Channel			Value	Function
3CH	4CH	6CH		
1	1	1	0-255	group Red : Red (0-Black , 255-100% Red)
2	2	2	0-255	group Green: Green (0-Black , 255-100% Green)
3	3	3	0-255	group Blue: Blue (0-Black , 255- 100% Blue)
NA	4	NA	0-255	General dimming: dimming(0-Black , 255- 100%)
NA	NA	4		internal programs:
			0-10	without internal program
			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
NA	NA	5	191-220	internal program 7
			221-255	gradient effect
				Shutter, strobe:
			0	Led trun off
			1-95	Strobe effect slow to fast
			96-127	Led turn on
			128-159	Pulse-effect in sequences
160-191	Led turn on			
NA	NA	6	192-223	Random strobe effect slow to fast
			224-255	Led turn on
				General dimming/speed:
			0-255	dimming(0-Black , 255- 100%)
			speed from slow to fast /when running internal programs	
			speed from slow to fast /when running gradient effect	

The following to change the lens for the different angle



CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION!



Disconnect from mains before starting maintenance operation.

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Should you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

Should you have further questions, please contact your dealer.

INSTALLATION

This device is only constructed for a standing installation. The device must only be installed absolutely planar at a vibration-free, oscilation-free and fire-resistant location. Make sure that the device is installed absolutely planar by using a water-level.

TECHNICAL SPECIFICATIONS

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

Power consumption: max. 150 W

Waterproof grade: IP 65

Packing dimensions: 31x26x35CM

Net weight: 6 KGS

Gross weight: 7. 5KGS

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