

# User Manual



**LED LEKO SPOT 200W WW**

( MN750 )

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## 1. Safety instructions

### FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 41°F /5°C, or exceeding 95°F /35°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the player for an extended period of time be sure to disconnect the plug from the receptacle.

#### 1.1 Overhead Rigging

This Item must be built in a way that it can hold 10 times more of its weight for 1 hour without causing any damages.

The installation must be secured with a secondary safety attachment. The safety attachment has to be constructed in a way that no part of the installation can fall down

When rigging, de-rigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

Before taking the device in operation, the installation must be approved by an expert.

The operator has to make sure that safety - relating and machine - technical installations are

approved by a skilled person once a year.

Procedure:

The Device must be installed outside areas where persons may walk by or be seated.

**IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE,** including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the

projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

Use only professional trussing systems if the Item shall be lowered from the ceiling or high joists. Never let the Device swing freely in a room.

Caution: Overhead Items may cause serious injuries when crashing down!! If there is concern about the safety then DO NOT INSTALL the Device!!!!

## **DANGER OF FIRE!**

When installing the device, make sure there is no highly-inflammable Material (decoration articles, etc.) within a distance of min. 0.5 m.

Mount the projector with the mounting-bracket to your trussing system using an appropriate clamp.

For overhead use, always install a safety-rope that can hold at least 12 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Pull the safety-rope through the hole in the mounting-bracket and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw.

The maximum drop distance must never exceed 20 cm.

A safety rope which already held the strain of a crash or which is defective must not be used again.

Adjust the desired inclination-angle via the mounting-bracket and tighten the fixation screws.

## **DANGER TO LIFE!**

Before taking into operation for the first time, the installation has to be approved by an expert!

### **1.2 Power Connection**

!! CAUTION!!

Never leave this device running unattended!! Every person that is involved with this Item has to be qualified!!

Connect item with the main plug. The voltage and frequency must exactly be the same

as stated on the device. The power plug must always be inserted without force.

### **1.3 Cleaning and Maintenance**

Please make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

1. Make sure before installing that all screws are tightly connected and not corroded.
2. There must be no deformations on the housings, fixations and installations spots.
3. No damages must be showed on the power supply cables, material fatigue and sediments.

If the device is going to be cleaned, please use moist, lint free cloths. Never use

alcohol or solvents!!

The cooling fan must be cleaned monthly!

To clean the interior of the device please use a vacuum cleaner or an air jet.

We recommend cleaning the lenses weekly to keep the light output as long as possible.

## 2. User's manual

You are able to use this device in professionals operating methods.

**DMX Mode** – this operating method allows running the device with a customary DMX 512 controller.

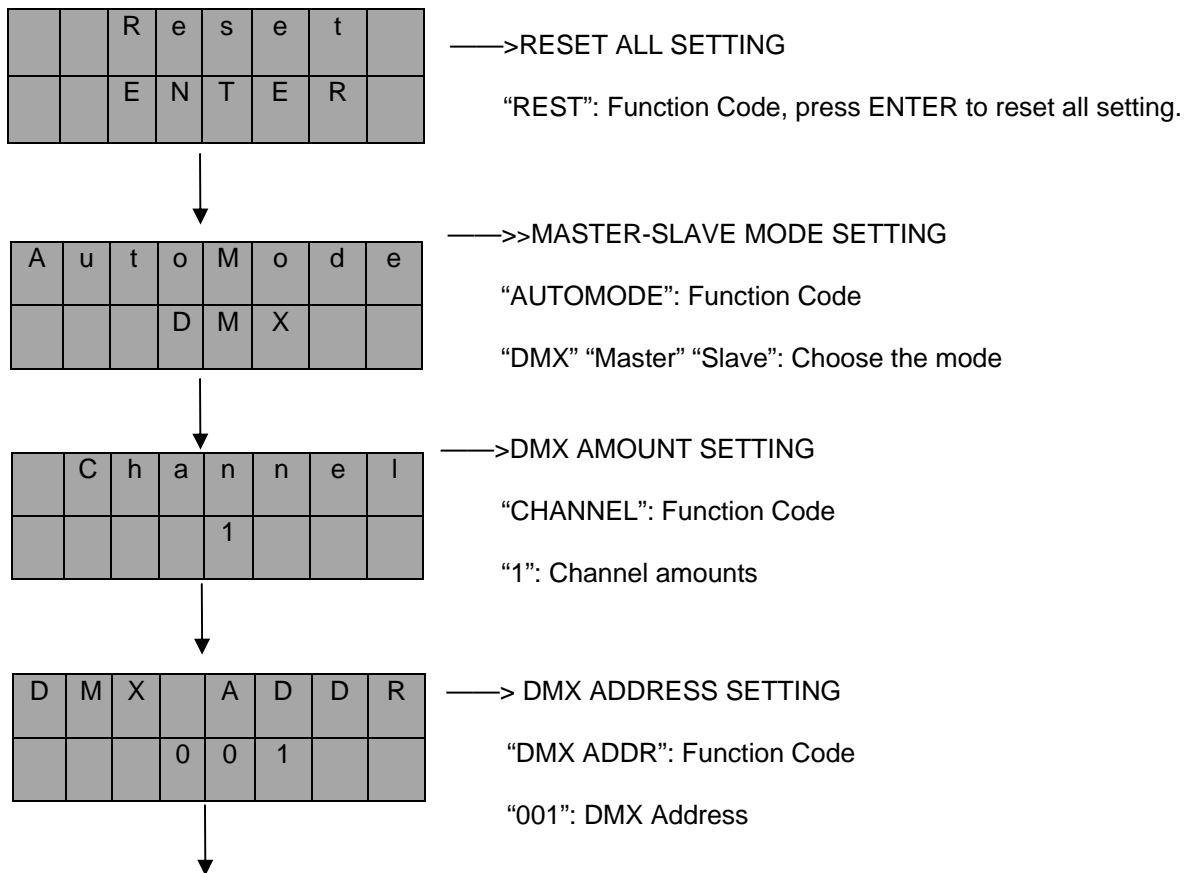
**Program Mode** – with this operating method, you are able to choose the internal programs

**Sound Mode** – with this operating mode, the device flashed with the tact of the music

## 3. MENU Structure

All of the settings are controlled by four buttons: "MODE, Up, Down and Enter".

Press "MODE" to switch functions (7 functions can be selected):



F	u	n	c	t	i	o	n
			0	1	0		

—>SINGLE MODE SETTING, work only on the situation of

A	u	t	o	M	o	d	e
	M	A	S	T	E	R	

“FUNCTION”: Function Code

“010”: Function number

T	E	M	P		P	C	B
			0	2	8		

—>SINGLE MODE SETTING

“TEMP PCB”: Temperature Code

“000”: Show temperature of LED PCB

			L	C	D		
			O	N			

—>LCD DISPLAY LIGHTING SETTING

“ON”: Function Code, to keep LCD display lighting(default setting);

“OFF”: Function Code, press ENTER to shut off LCD display lighting.

Press the “MODE” then press the “ENTER” to begin your setting. Press “UP” and “DOWN” to switch the modes with the shining Function Code. Be sure to press the “ENTER” button to save your changing, it won't be saved if the button has not been pressed. Moreover, the saving data still exists even after power off and then on.

### MASTER SLAVE MODE SETTING

A	u	t	o	M	o	d	e
			D	M	X		

—>Press “MODE” -> “Enter” and Press UP/Down button to setting.

Press “Enter” to confirm the “DMX” condition and forbid the Master Slave Mode.



A	u	t	o	M	o	d	e
	M	A	S	T	E	R	

—>The machine will send signal to all connected slave-machines.

The machine only accepts the signal from the console. And at this situation the below function

F	u	n	c	t	i	o	n
			0	1	0		



A	u	t	o	M	o	d	e
		S	L	A	V	E	

—>Press “MODE” -> “Enter” and Press UP/Down button to setting.

Press “Enter” to confirm the “D” condition and forbid the Master Slave Mode.

**Attention: When connecting DMX512 but receiving no signal, the LCD display will flicker.**

**WHILE IN MASTER-SLAVE MODE, ONLY ONE HOST MACHINE CAN BE EXISTED, IF NOT, IT MAY CAUSE SIGNAL CONFLICTS.**

**DMX CHANNEL SETTING**

	C	h	a	n	n	e	l
				1			

—>Default in CHANNEL 1, DMX Channel: CH. 1



	C	h	a	n	n	e	l
				2			

—>DMX Channel: CH. 2



	C	h	a	n	n	e	l
				3			

—>DMX Channel: CH. 3



	C	h	a	n	n	e	l
				4			

—>DMX Channel: CH. 4



	C	h	a	n	n	e	l
				5			

—>DMX Channel: CH. 5



	C	h	a	n	n	e	l
				6			

—>DMX Channel: CH. 6



	C	h	a	n	n	e	l
				7			

—>DMX Channel: CH. 7

**DMX ADDRESS SETTING**

D	M	X		A	D	D	R
			0	0	1		

—>Default in DMX ADDR001, DMX Address from “D001-D512”, Press “ENTER” to save the setting.

**SINGLE MODE SETTING:**

F	u	n	c	t	i	o	n
			0	1	0		

—>Press “MODE” to begin your setting, and press “ENTER” to select the mode. Select the UP/DOWN from F010~F120, press “ENTER” to save your setting.

F	u	n	c	t	i	o	n
			0	1	0		

—>SINGLE WHITE COLOR strobe, adjust the speed from F010(slow)~ F019(fast).

F	u	n	c	t	i	o	n
			0	2	0		

—>FADE IN/OUT: Adjust the speed from F020(slow)~ F029(fast).

F	u	n	c	t	i	o	n
			0	3	0		

—>SOUND ACTIVE MODE: Color jump and Strobe. Adjust the strobe speed from F030(slow)~F039(fast). Shut down the light in 5 seconds mute.

F	u	n	c	t	i	o	n
			1	2	0		

—>WW (full brightness)

**TEMPERATURE CONTROL**

T	E	M	P		P	C	B
			0	2	8		

—>In order to protect the temperature of LED PCB, the fan automatically works when reaching to 61 degrees. While, the fan stop working below 51 degrees. When the temperature reaches to 70 degree, the device stops to work. While, it falls down to 50 degree, the device begin to work and keep the data you stored before.

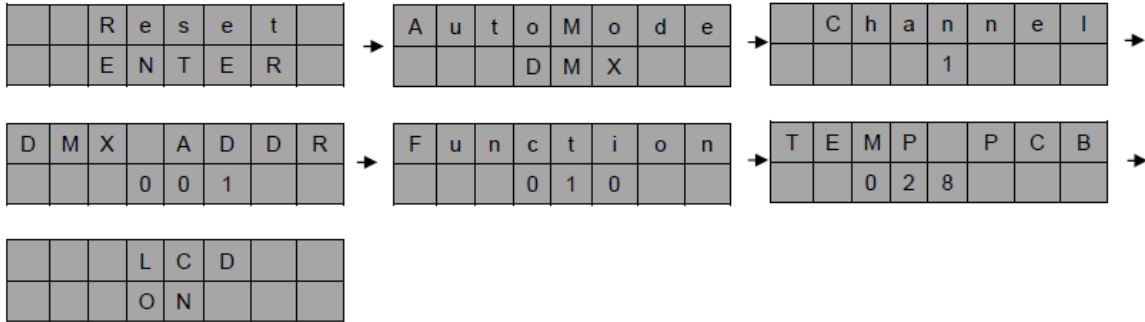


**RESET TO DEFAULT**

		R	e	s	e	t	
		E	N	T	E	R	

—>RESET TO DEFAULT: Press “ENTER” to reset all setting.

**Default as following:**



**MASTER-SLAVE MODE:**

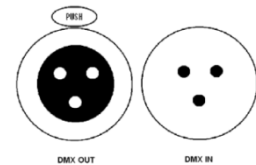
Controlled by DMX512 console. The machine accepts DMX512 signals and DMX dimming signals.

**4. DMX MODE**

(Display flashes, if no DMX signal is connected)

Connect the signal output of your DMX controller to the XLR - socket of your device.

You are able to connect further DMX devices at the XLR - out



**DMX Table**

MODE1 : 1 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3, W4 Dimming	1~255	Brightness Adjustment 0% - 100%

MODE2 : 2 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3, W4 Dimming	1~255	Brightness Adjustment 0% - 100%
2. STROBE	1~255	Speed Adjustment from slow to fast.

MODE3 : 3 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3, W4 Dimming	1~255	Brightness Adjustment 0% - 100%
2. STROBE	1~255	Speed Adjustment from slow to fast.
3. Linear and curve lighting option	0~70	Linear
	71~255	Curve

MODE4 : 4 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3 Dimming	1~255	Brightness Adjustment 0% - 100%
2. W1 Dimming	1~255	Brightness Adjustment 0% - 100%
3. W2 Dimming	1~255	Brightness Adjustment 0% - 100%
4. W3 Dimming	1~255	Brightness Adjustment 0% - 100%

MODE5: 5 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3, W4 Dimming	1~255	Dimming and turn on the light, Color is adjusted by CH2, 3, 4, 5
2. W1 Dimming	1~255	Brightness Adjustment 0% - 100%
3. W2 Dimming	1~255	Brightness Adjustment 0% - 100%

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4. W3 Dimming	1~255	Brightness Adjustment 0% - 100%
5. W4 Dimming	1~255	Brightness Adjustment 0% - 100%

MODE6 : 6 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3 Dimming	1~255	Dimming and turn on the light, Color is adjusted by CH2, 3, 4
2. W1 Dimming	1~255	Brightness Adjustment 0% - 100%
3. W2 Dimming	1~255	Brightness Adjustment 0% - 100%
4. W3 Dimming	1~255	Brightness Adjustment 0% - 100%
5. STROBE	1~255	Speed Adjustment from slow to fast.
6. Linear and curve lighting option	0~70	Linear
	71~255	Curve

MODE7 : 7 Channel

DMX Channel	DMX Value	Specification
1. W1, W2, W3, W4 Dimming	1~255	Dimming and turn on the light, Color is adjusted by CH2, 3, 4, 5
2. W1 Dimming	1~255	Brightness Adjustment 0% - 100%
3. W2 Dimming	1~255	Brightness Adjustment 0% - 100%
4. W3 Dimming	1~255	Brightness Adjustment 0% - 100%
5. W4 Dimming	1~255	Brightness Adjustment 0% - 100%
6. STROBE	1~255	Speed Adjustment from slow to fast(Color is adjusted by CH2, 3, 4, 5)
7. Linear and curve lighting option	0~70	Linear
	71~255	Curve

## 5. Technical Data

1. 1, 2, 3, 4, 5, 6, 7 DMX channels selectable
2. Sound controlled via built-in microphone
3. Adjustable sound sensitivity
4. Function: Master/slave, built-in program and strobe effect with adjustable speed, dimmer
5. LCD display, easy for understand.
6. Full DMX512 control
7. With Safety loop
8. 3PIN/5PIN XLR Input & Output; POWERCON IN/OUT
9. 1x200W Warm white COB LEDs
10. Beam angle: 10° / 19° / 26° / 36° / 50° optional
11. Power Max. 250W
12. Power Input AC 100-240V, 50/60Hz
13. Weight: 7.5kgs ( L\*W\*H = 645 x 280 x 220mm )