



Ref. No.: 150.523

# MHL-1410WISPOT 14X 10W QUAD DMX 2.4GHZ



## MANUAL

Thank you for purchasing one of our products.  
 Before you use this product please read these instructions carefully to enjoy optimal performance and a longer service life.

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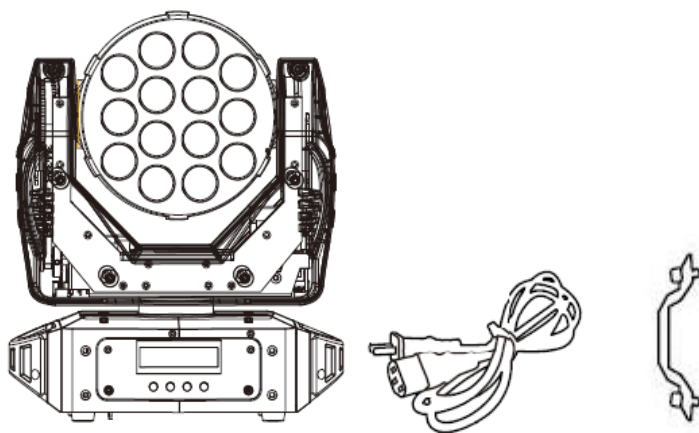
# **UNPACKING INSPECTIONS**

## **Unpacking instructions**

- Please unpack the carton and check the goods carefully when you receive it , if you discover any packing damage, shortage or quality problems, please notify the shipper and reject the goods.
- Before using this product, please read the instructions carefully and store them in a safe place for future reference.

## **Checking the contents of the box:**

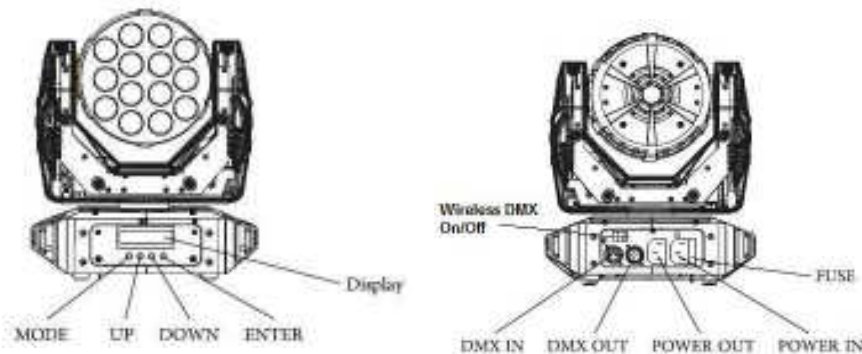
The product, Power cord, Instruction Manual, Mounting Bracket (incl. bolts and washers)



## **SAFETY INSTRUCTIONS**

- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Never put tiny metal objects such as a screwdriver, iron wire, etc. into this product in case of a short circuit .
- Please make sure that the voltage of the outlet to which you are connecting this product is within the range stated on the decal or rear panel of the product.
- Avoid physical damage to the product during transportation. Never carry this product from the power cord or any moving part . Always use the hanging / mounting bracket or the handles.
- This product is for indoor use only. To avoid risk of fire or shock, do not expose this product to rain or moisture.
- Never pull or tug on the cord and change it for another one, stop using it when it is damaged or becomes hot .
- Stop using the product once there are sparks when connecting it to the power socket.
- Do not operate this product with wet hands and never place it near water or any other liquids.
- Make sure there are no flammable materials close to the unit while operating. Always install it in a location with adequate ventilation.
- When the original lightning source is damaged, do not replace it with a lightning source which has different specifications and ratings.
- Always disconnect this product from the power source before replacing the light source or the fuse.
- The maximum ambient temperature is 40°C(104°F).
- Never clean the unit with water, thinner or any other dissolving agent .
- Stop using the product in case of a serious operating problem and send it to our maintenance agent immediately. Never get this product repaired by non-professional workers.
- Avoid direct eye exposure to the light source while this product is on.

## **PRODUCT OVERVIEW**

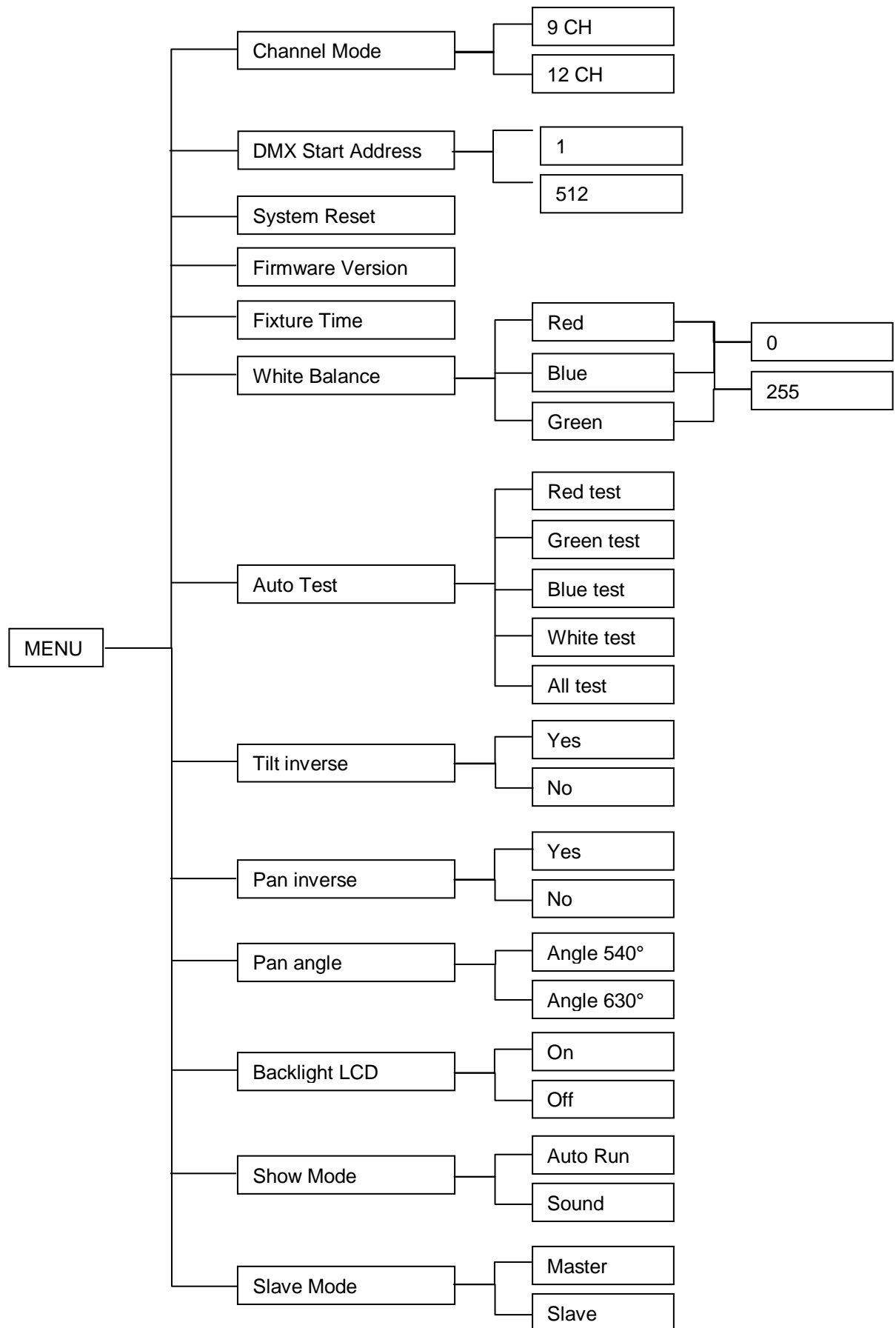


## **FUNCTIONS INTRODUCTIONS**

### **Main Functions**

- 9 or 12 DMX channels .
- Sound active, (wireless) DMX, master/slave mode .
- 14x 10W high quality CREE LEDs.
- With static colors, strobe, dimmer, color mixing and changing effects.
- Pan/Tilt inversion
- Electronic dimming 0 – 100%

# SYSTEM MENU



# **SYSTEM SETTING**

## **Channel mode**

Select the desired channel mode

Press the UP or DOWN button until "Channel mode" is displayed, press enter.

"X Ch" will now be displayed, ("X" represents the displayed channel mode). Press the UP or DOWN button to find the desired channel mode. Press ENTER to confirm.

## **DMX Address**

Set the DMX address

Press the UP or DOWN button until "DMX address" is displayed, press ENTER.

"X" will now be displayed, ("X" represents the displayed address). Press the UP or DOWN button to find the desired address. Press ENTER to confirm

## **System Reset**

Use this function to reset the fixture

Press the UP or DOWN button until "System Reset" is displayed, press ENTER.

The fixture will reset now

## **Firmware Version**

This will display the software version

Press the UP or DOWN button until "Firmware Version" is displayed, press ENTER.

## **Fixture Time**

With this function you can display the running time of the fixture

Press the UP or DOWN button until "Fixture Time" is displayed, press ENTER.

## **White Balance**

This menu will let you select your white balance mode

Press the UP or DOWN button until "White Balance" is displayed, press ENTER.

Press ENTER to display the Red, Green, Blue and then press ENTER. The RXXX, GXXXX, BXXX, XXX is the value of red, green and blue then press the UP or DOWN to adjust the value.

## **Auto Test**

With this function you can manually test the individual features

Press the UP or DOWN button until "Auto Test" is displayed, press ENTER.

Press ENTER to find the color you wish to test. Once you find a color you wish to test press the ENTER button.

## **Tilt invert**

Press the UP or DOWN button until "Tilt Invert" is displayed, press ENTER.

Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.

To deactivate select "NO", press ENTER to confirm.

### **Pan invert**

Press the UP or DOWN button until "Pan Invert" is displayed, press ENTER.  
Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.  
To deactivate select "NO", press ENTER to confirm.

### **Pan Angle**

Press the UP or DOWN button until "Pan Angle" is displayed, press ENTER.  
Press the UP or DOWN buttons to set your rotation

### **Backlight LCD**

Press the UP or DOWN button until "Back LCD" is displayed, press ENTER.

### **Show mode**

In this mode you can select your desired mode.  
Press the UP or DOWN button until "Show mode" is displayed, press ENTER.  
Press the UP or DOWN button to select the desired show mode, Auto or Sound press ENTER.

### **Slave mode**

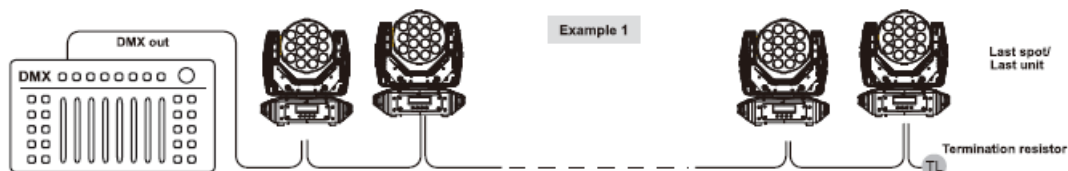
In this mode the unit functions as a slave to other units  
Press the UP or DOWN button until "Slave mode" is displayed, press ENTER.  
Press the UP or DOWN button to select the desired master or slave mode.

### **Wireless DMX**

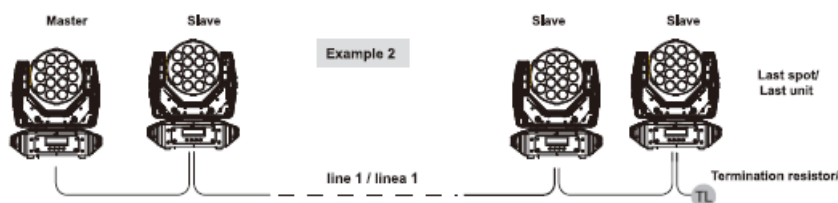
Switch the wireless system on with the on/off switch on the back panel.  
Press the wireless button on the front panel to connect the system with your wireless transmitter. After the connection is linked the LED will flash faster.  
To reset the wireless connection, press and hold the button until the LED stops flashing.

## **OPERATING INSTRUCTIONS**

DMX connection.



Master / Slave connection.



## DMX Channel settings

### 12 Channel settings:

DMX 12 Channel		DMX	Description
1	Dimmer	000 – 000	Unused
		001 - 255	Dimmer 0 – 100%
2	Macro Color	000 – 009	Unused
		010 – 014	Macro Color 1
		015 – 019	Macro Color 2
		020 – 024	Macro Color 3
		025 – 029	Macro Color 4
		030 – 034	Macro Color 5
		035 - 038	Macro Color 6
		039 – 043	Macro Color 7
		044 – 048	Macro Color 8
		049 – 053	Macro Color 9
		054 – 058	Macro Color 10
		059 – 063	Macro Color 11
		064 – 067	Macro Color 12
		068 – 072	Macro Color 13
		073 – 077	Macro Color 14
		078 – 082	Macro Color 15
		083 – 087	Macro Color 16
		088 – 091	Macro Color 17
		092 – 096	Macro Color 18
		097 – 101	Macro Color 19
		102 – 106	Macro Color 20
		107 - 111	Macro Color 21
		112 – 116	Macro Color 22
		117 – 120	Macro Color 23
		121 – 125	Macro Color 24
		126 – 130	Macro Color 25
		131 – 135	Macro Color 26
		136 – 140	Macro Color 27
		141 – 145	Macro Color 28
		146 – 149	Macro Color 29
		150 – 154	Macro Color 30
		155 – 159	Macro Color 31
		160 – 164	Macro Color 32
		165 – 169	Macro Color 33
		170 – 173	Macro Color 34
		174 – 178	Macro Color 35
		179 – 183	Macro Color 36
		184 – 188	Macro Color 37
		189 – 193	Macro Color 38
		194 – 198	Macro Color 39
199 – 202	Macro Color 40		



2	Macro Color	203 – 207	Macro Color 41
		208 – 212	Macro Color 42
		213 – 217	Macro Color 43
		218 – 222	Macro Color 44
		223 – 227	Macro Color 45
		228 – 231	Macro Color 46
		232 – 236	Macro Color 47
		237 – 241	Macro Color 48
		242 – 246	Macro Color 49
		247 – 251	Macro Color 50
		252 - 255	Macro Color 51
3	Red	000 – 000	Unused
		001 - 255	Red Dimmer
4	Green	000 – 000	Unused
		001 - 255	Green Dimmer
5	Blue	000 – 000	Unused
		001 - 255	Blue Dimmer
6	White	000 – 000	Unused
		001 – 255	White Dimmer
7	Strobe	000 – 009	No strobe
		010 – 255	Strobe from slow to fast
8	Pan	000 – 255	Pan Moving
9	Pan Speed	000 – 255	Speed pan moving
10	Tilt	000 – 255	Tilt Moving
11	Tilt Speed	000 – 255	Speed tilt moving
12	Function	000 – 127	No function (DMX control)
		128 – 255	Auto sound function

### 9 Channel settings:

DMX 9 Channel		DMX	Description
1	Pan	000 – 255	Pan Moving
2	Tilt	000 – 255	Tilt Moving
3	Pan Speed	000 – 255	Speed pan moving
4	Tilt Speed	000 – 255	Speed tilt moving
5	Dimmer/Strobe	000 – 200	Dimmer 0-100%
		201 – 247	Strobe slow-fast
		248 – 255	Full on
6	Red	000 – 255	Red Dimmer
7	Green	000 – 255	Green Dimmer
8	Blue	000 – 255	Blue Dimmer
9	White	000 – 255	White Dimmer

## **MAINTENANCE**

The unit should be cleaned periodically to ensure the optimal performance, smudginess can decrease the life of the light source and the output of light is affected by the dust which can make the machine overheat. It is advised to perform maintenance 2 times a month. Be sure to disconnect the unit from the power socket before cleaning. Do not clean until the unit recovers a normal temperature, use the lens tissue or soft cotton cloth with alcohol and wipe gently. The cleaning frequency depends on the environment in which this unit operates, damp, smoky or dirty surroundings can cause greater accumulation of dirt on the optics. Never rub or press strongly on the panel.

## **SPECIFICATION**

Head movement:Pan	630°
Head movement:Tilt	220°
Beam angle	13°
Field angle	24°
Light intensity	18000 lux @ 2m
No. of colours	Infinite
No. of LEDs	14x 10W Quad LEDs
DMX channels	9 or 12
Power Supply	100-240Vac / 50Hz
Consumption	160W
Dimensions	170 x 275 x 340mm
Weight	6.4 kg

### **CE (!) : Explanation**

Please consult the authorities of your own country for detailed information regarding the licensing regime! In the following countries the regulative frequencies are :

NL:	2245-2495.0 MHz,	D:	2384.0-2483.5 MHz,
B:	2400-2483.5 MHz,	F:	2465.0-2475.0 MHz,
I:	2215-2500.0 MHz,	E:	2304.5-2480.5 MHz,
RUS:	2200-2500.0 MHz,	CZ:	2200.0-2500.0 MHz,
POR:	2483.5 MHz		



**tronios**  
Sound & Light

## CE & R&TTE Declaration of Conformity

Importer: TRONIOS BV  
Bedrijvenpark Twente 415  
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Tel : 0031546589299  
Fax : 0031546589298  
The Netherlands

Product number: **150.523**  
Product Description: **MHL-1410Wispot14x 10W Quad, DMX 2.4Ghz**

Regulatory Requirement: EN 60598-1/-2-17  
EN 55015  
EN 61547  
EN 61000-3-2/-3-3  
EN 300 440-1/-2

The product conforms to the essential requirements and other relevant provisions of the R&TTE Directive (1999/5/EC).

Almelo,

13-12-2012

Signed:

P. Feldman

Specifications and design are subject to change without prior notice..

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