

# Instruction Manual

PROFESSIONAL SHOW LIGHT

## LED Magic T12



## **Introduction**

Unpacking: Thank you for purchasing our high power led light. Every unit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the unit has arrived intactly. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without any warning.

## **Warning:**

To prevent or reduce the risk of electrical shock or fire, Do not expose this to rain or moisture.

## **Caution:**

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

Please recycle the shipping carton whenever possible.

## **General Instructions**

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

## **Features**

- Multi-Colors
- ZOOM ABLE + Pixel
- Electronic Dimming 0-100%
- DMX-512 protocol
- Master/Slave synchronization
- LCD operation menu with function buttons
- Daisy Chain Units Together in DMX Mode
- Sound control

## **Safety Precautions**

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit,
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of a internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are user serviceable parts inside.
- Never operate this unit when its rear cover is removed.
- Never plug this unit into a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only; use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the units main power.
- Always mount this unit safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items

placed upon or against them, paying particular attention to the point they exit from the unit.

- Cleaning unit should be cleaned only as recommended by the manufacturer. See ‘Cleaning’ for details.
- Heat –The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The unit should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the appliance.
  - C. The appliance has been exposed to rain or water.
  - D. The appliance does not appear to operate normally or exhibits s marked change in performance.

### Set UP

**Power Supply:** Before plugging your unit in, be sure the source voltage in your area matches the voltage required for your every suit. Every unit is available in 100v and 240v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate your unit.

**DMX Linking:** To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path possible. The order in which units are connected in a DMX line does not influence the DMX addressing. For example; a unit assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a unit is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

### Operating Instructions

**Operating Modes:** You can use the suit in 3 ways:

- Auto Mode-The unit will automatically chase through the different colors.
- DMX control mode – This function will allow you to control each individual units traits with a standard DMX 512 controller.
- Master-slave mode – One unit will work as the master in the one of the above three modes, other units in the chain will work in synchronization towards the master.

**DMX Mode:** Operating through a DMX controller give the user the freedom to create their own Programs tailored to their own individual needs. This function also allows you to use your units as spot lights.

1. This function will allow you to control each individual unit’s traits with a standard DMX 512 controller.
2. The fixture uses 20/57 DMX channels to operate. Please see “DMX Values and Functions” for the DMX traits.
3. To run your unit in DMX mode, plug in the unit via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

### Touch Buttons

There are four touch buttons under the LCD display: Menu, Up, Down, Enter. Normally, the LCD will display the current DMX address code of the fixture. At this time, presses up and down to choose the functions you want.



**LED Operation Menu:** LCD screen with four touch buttons: **MENU, UP, DOWN and ENTER.**

Press MENU to return to the upper menu; Press UP or DOWN to scroll into the menu options or to adjust the values. Press ENTER to confirm.

After power on and initialization, it will show the status before last power off. Then, the unit is ready for setting and working. Please see the following table for setting information.

### Main Menu

Main menu	Sub menu	Three level menu	Parameter
Dmx Address	001 - 512		
Fixture	Ch Mode	STD/EXT	
	Run Mode	DMX/Host/Sound	
	Tilt Inv	Close/Open	
Manual	Tilt	0 - 255	
	Tilt Fine	0 - 255	
	.	0 - 255	
	.	0 - 255	
	.	0 - 255	
Information	Time	Current Time	xxxh
		Total Time	xxxh
		Power Count	xxx
	Sensor	Tilt	TRUE/FALSE
		Zoom1	TRUE/FALSE
		Zoom2	TRUE/FALSE
		Temp	TRUE/FALSE
	Temperature	Head Temp	xxx C
	Software Version	Panel	V2.00H
Dimmer		V2.00H	
Factory	Password	000	
	Tilt	127	
	Zoom1		
	Zoom2		
	Red		
	Green		
	Blue		
	White		
Fixture Reset	Reset	Run/OFF	
	Factory	Run/OFF	
Display	Language	EN/CH	
	Display Flip	Normal/Reverse	
	Display Mode	Show/60s	

### DMX Chart:

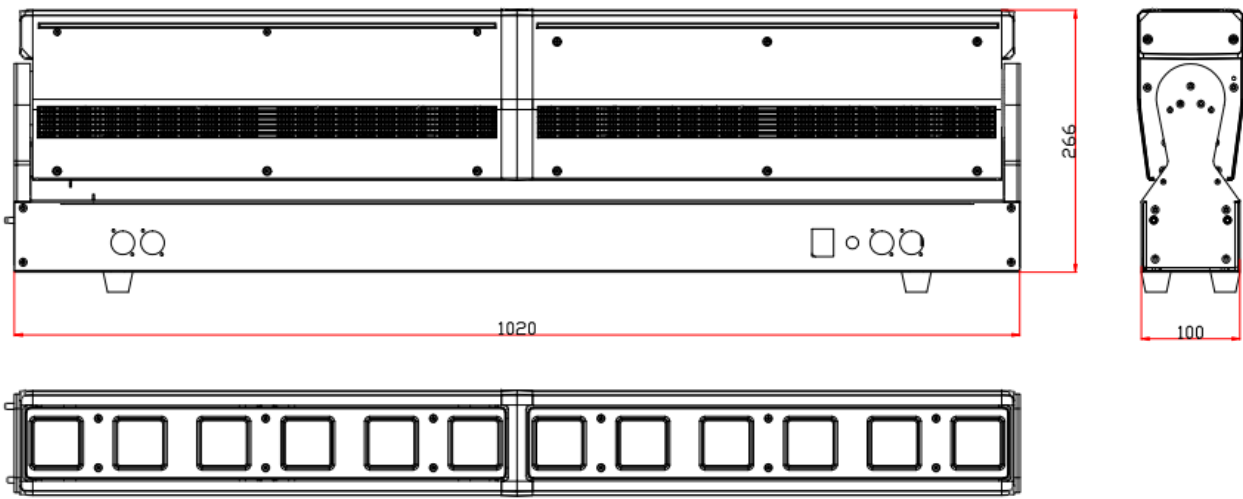
Standard mode(20CH)	Channel name	Channel value
1	Tilt	0 - 255
2	TiltFine	0 - 255

3	Tilt-Speed	0 - 255
4	Zoom All	0 - 255
5	Zoom1	0 - 255
6	Zoom2	0 - 255
7	Dimmer	0 - 255
8	DimFine	0 - 255
9	Open	0 - 4
	Strobe Slow-Fast	5 - 200
	Open	201 - 205
	Random Strobe Slow-Fast	206 - 255
10	Red	0 - 255
11	Green	0 - 255
12	Blue	0 - 255
13	White	0 - 255
14	static effect	0 - 10 open
		11 - 13 effect1
		14 - 16 effect2
		17 - 19 effect3
		20 - 22 effect4
		23 - 25 effect5
		26 - 28 effect6
		29 - 31 effect7
		32 - 34 effect8
		35 - 37 effect9
		38 - 40 effect10
		41 - 43 effect11
		44-46 effect12
		47 - 49 effect13
	50 - 52 effect14	
	53 - 55 effect15	
	56 - 58 effect16	
	59 - 61 effect17	
	62 - 64 effect18	
	65 - 67 effect19	
	68 - 70 effect20	
	dynamic effect	71 - 73 effect21
		74 - 76 effect22
		77 - 79 effect23
		80 - 82 effect24
		83 - 85 effect25
		86 - 88 effect26
		89 - 91 effect27
92 - 94 effect28		

		<b>95 - 97</b>	<b>effect29</b>
		<b>98 - 100</b>	<b>effect30</b>
		<b>101 - 103</b>	<b>effect31</b>
		<b>104 - 106</b>	<b>effect32</b>
		<b>107 - 109</b>	<b>effect33</b>
		<b>110 - 112</b>	<b>effect34</b>
		<b>113 - 115</b>	<b>effect35</b>
		<b>116 - 121</b>	<b>effect36</b>
		<b>122 - 130</b>	<b>effect37</b>
		<b>131 - 133</b>	<b>effect38</b>
		<b>134 - 136</b>	<b>effect39</b>
		<b>137 - 139</b>	<b>effect40</b>
		<b>140 - 142</b>	<b>effect41</b>
		<b>143 - 145</b>	<b>effect42</b>
		<b>146 - 148</b>	<b>effect43</b>
		<b>149 - 151</b>	<b>effect44</b>
		<b>152 - 154</b>	<b>effect45</b>
		<b>155 - 157</b>	<b>effect46</b>
		<b>158 - 160</b>	<b>effect47</b>
		<b>161 - 163</b>	<b>effect48</b>
		<b>164 - 166</b>	<b>effect49</b>
		<b>167 - 169</b>	<b>effect50</b>
		<b>170 - 172</b>	<b>effect51</b>
		<b>173 - 175</b>	<b>effect52</b>
		<b>176 - 178</b>	<b>effect53</b>
		<b>179 - 181</b>	<b>effect54</b>
		<b>182 - 184</b>	<b>effect55</b>
		<b>185 - 187</b>	<b>effect56</b>
		<b>188 - 190</b>	<b>effect57</b>
		<b>191 - 193</b>	<b>effect58</b>
		<b>194 - 196</b>	<b>effect59</b>
		<b>197 - 199</b>	<b>effect60</b>
		<b>200 - 202</b>	<b>effect61</b>
		<b>203 - 205</b>	<b>effect62</b>
		<b>206 - 208</b>	<b>effect63</b>
		<b>209 - 211</b>	<b>effect64</b>
		<b>212 - 214</b>	<b>effect65</b>
		<b>215 - 217</b>	<b>effect66</b>
		<b>218 - 220</b>	<b>effect67</b>
		<b>221 - 255</b>	<b>effect68</b>
<b>15</b>	<b>Effect Speed</b>	<b>0 - 255</b>	
<b>16</b>	<b>LED Mirror</b>	<b>0 - 255</b>	
<b>17</b>	<b>ForColor</b>	<b>0 - 255</b>	
<b>18</b>	<b>BackColor</b>	<b>0 - 255</b>	

19	BackColor Dimmer	0 - 255
20	Safe	0 - 100
	Fixture Reset	101 - 120
	Reserve	121 - 255
<b>Extended mode(57CH)</b>	<b>Channel name</b>	<b>Channel value</b>
1	Tilt	0 - 255
2	TiltFine	0 - 255
3	Tilt-Speed	0 - 255
4	Zoom1	0 - 255
5	Zoom2	0 - 255
6	Dimmer	0 - 255
7	DimFine	0 - 255
8	Strobe	0 - 4    Open
		5 - 200    Strobe Slow-Fast
		201 - 205    Open
		206 - 255    Randon Strobe                      slow-fast
9	LED1 Red	0 - 255
10	LED1 Green	0 - 255
11	LED1 Blue	0 - 255
12	LED1 White	0 - 255
13	LED2 Red	0 - 255
14	LED2 Green	0 - 255
15	LED2 Blue	0 - 255
16	LED2 White	0 - 255
... ..	... ..	... ..
53	LED12 Red	0 - 255
54	LED12 Green	0 - 255
55	LED12 Blue	0 - 255
56	LED12 White	0 - 255
57	safe	0 - 100
	Fixture Reset	101 - 120
	Reserve	121 - 255

Fixture dimension :



## Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

**TROUBLE SHOOTING:** Listed below are a few common problems the user may encounter, with solutions.

### **Unit not respond to DMX:**

Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be ‘hot’). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

### **Parameter Description**

Power:500W

Voltage:110-240V/50-60HZ

LED: Osram RGBW 4in1 40W\*12pcs

Zoom: 3.5°-38°

Tilt: 220

DMX channels: 20/57 CHs

Data connection: 3/5pin XLR(optional)

Display: LCD display

Control mode: Auto run/ master-slave / DMX512

Size:1020\*100\*266mm

Effect: left(6pcs) and right(6pcs) two sections can be zoom able ; one by one led can do pixel control

**Note: All information is subject to change without prior notice.**